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.

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2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.10 Notification of Service-Affecting Activities

The Telephone Company will provide the customer reasonable notification of service-affecting activities that may occur in normal operation of its business. Such activities may include but are not limited to, equipment or facilities additions, removals or rearrangements, routine preventative maintenance and major switching machine change-out. Generally, such activities are not individual customer service specific, they affect many customer services. No specific advance notification period is applicable to all service activities. The Telephone Company will work cooperatively with the customer to determine the notification requirements.

2.1.11 Coordination with Respect to Network Contingencies

The Telephone Company intends to work cooperatively with the customer to develop network contingency plans in order to maintain maximum network capability following natural or man-made disasters which affect telecommunications services.

2.1.12 Provision and Ownership of Telephone Numbers

The Telephone Company reserves the reasonable right to assign, designate or change telephone numbers, or any other call number designations associated with Access Services, or the Telephone Company serving central office prefixes associated with such numbers, when necessary in the conduct of its business. Should it become necessary to make a change in such number(s), the Telephone Company will furnish to the customer reasonable notice, by Certified U.S. Mail of the effective date and an explanation of the reason(s) for such change(s).

2.1.13 Metropolitan Statistical Area Access Services

For the Metropolitan Statistical Areas (MSAs) in which the Telephone Company has received Phase II pricing flexibility, pursuant to Subpart H of Part 69 of the Commission's Rules. Section 22 of this Tariff governs the offering of service in these MSAs. Upon approval of Phase II pricing flexibility for a petitioned MSA, services purchased via Sections 6, 7, 8, 20, 26, 27, 30 and 32, under the various Pricing Plans as identified in Section 22.4(F), will then become subject to the regulations in Section 22, Metropolitan Statistical Area Access Services. (N) (N)

2.2 Use

2.2.1

(A)

(B)

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22. Metropolitan Statistical Area Access Services

22.1 General Description

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

(1) Full Service MSAs

Full Service Relief MSAs are those MSAs which qualified for Phase II pricing flexibility for all elements of service, i.e., local channels (channel terminations) between LEC end offices and customer (end user) premises; entrance facilities; dedicated interoffice facilities; local channels (channel terminations) between an interexchange carrier's point of presence and a serving wire center. The Full Service Relief MSAs are set forth in Section 22.2(A), following.

(2) Limited Service MSAs

Limited Service Relief MSAs are those MSAs that qualified for Phase II pricing flexibility for all elements of service except local channels (channel terminations) between a LEC end office and a customer (end user) premise. The Limited Service Relief MSAs are set forth in Section 22.2(B), following.

(B) The services provided in MSAs pursuant to this section of the tariff are set forth in Section 22.3, following. These services are comparable to the SWA Dedicated Transport Services in Sections 6.8.1(A), 6.8.1(B), 6.8.1(I), and the Special Access Services in Sections 7, 8, 20, 21, 26 and 27. (N)
The general regulations, service descriptions, and rate regulations for the SWA Dedicated Transport Services in Section 6 and the Special Access Services in Sections 7, 8, 20, 21, 26 and 27 are also applicable to the services (N)
specified in this section.

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

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ACCESS SERVICE

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

22.2 Metropolitan Statistical Areas

A. Full Service Relief MSAs are listed below:

State	MSA
Nevada	

B. Limited Service Relief MSAs are listed below:

State	MSA
Nevada	Reno

22.3 Services Available in an MSA

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

Special Access
Voice Grade Service
Program Audio Service
Video Service
Digital Data Service
High Capacity Service
Gigabit Ethernet Metropolitan Area Network(GigaMAN)
Multi-service Optical Network (MON)
Broadband Circuit Service (BCS)*
Optical Carrier Network (OCN) Point-to-Point
Dedicated SONET Ring Service (N)
Switched Access/Dedicated Transport
Voice Grade
DS1
DS3
SS7

* This option is limited to existing customers at existing locations as of January 11, 2002.

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

22.4 Rate Regulations (Cont'd)

(D) Figure 4 illustrates a service provided from two MSAs with one MSA located in a Full Service Relief Area and one MSA located in a Non-Relief Area. The rates and charges for local channels and optional features located in the Full Service Relief Area are obtained as stated in 22.4(A) preceding.

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

Rates and charges for local channels, interoffice channels and optional features in a Non-Relief Area are obtained in Sections 6.8.1(A), 6.8.1(B), 6.8.1(I), Section 7, Section 8, Section 20, Section 21, Section 26 and Section 27 of this Tariff. (N)

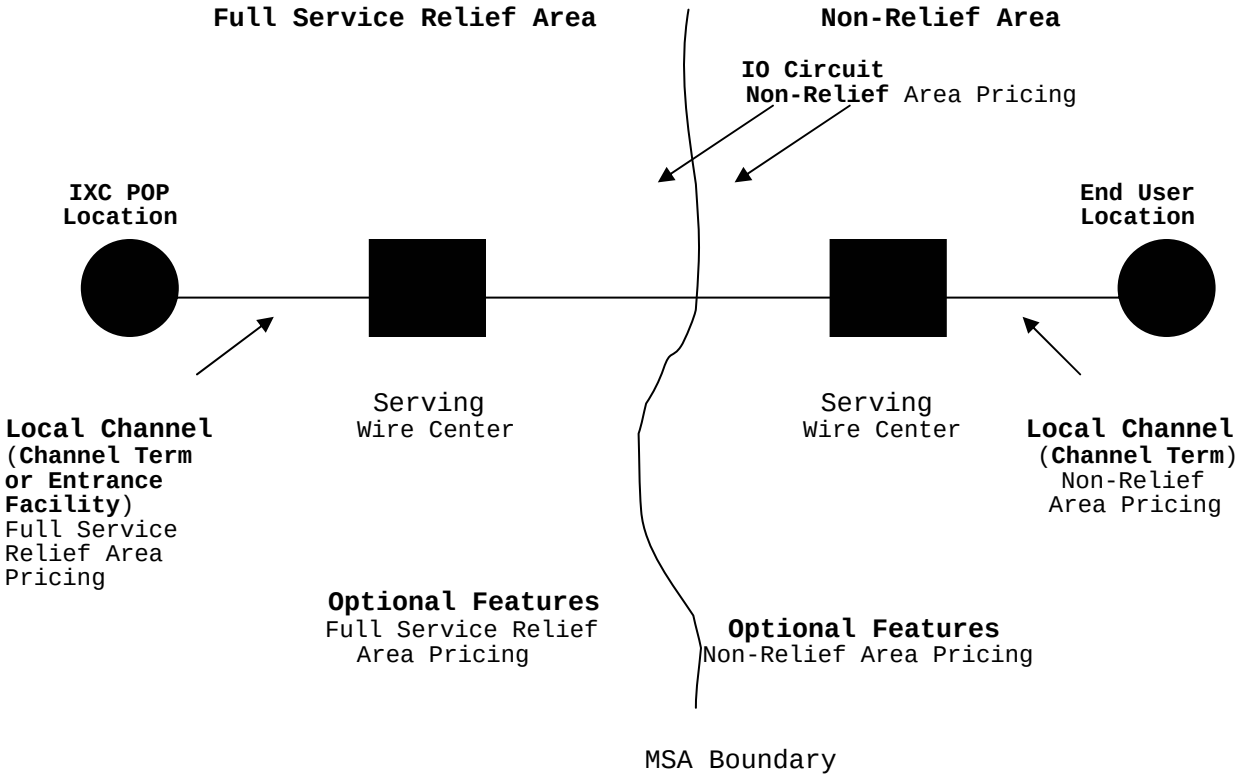

Figure 4

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

22.4 Rate Regulations (Cont'd)

(E) Figure 5 illustrates service provided from two MSAs with one MSA located in a Limited Service Relief Area and one MSA located in a Non-Relief Area. The rates and charges for local channels and optional features located in the Limited Service Relief Area are obtained as stated in 22.4(B) preceding.

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

Rates and charges for local channels, interoffice channels and optional features in a Non-Relief Area are obtained in Sections 6.8.1(A), 6.8.1(B), 6.8.1(I), Section 7, Section 8, Section 20, Section 21, Section 26 and Section 27 of this Tariff. (N)

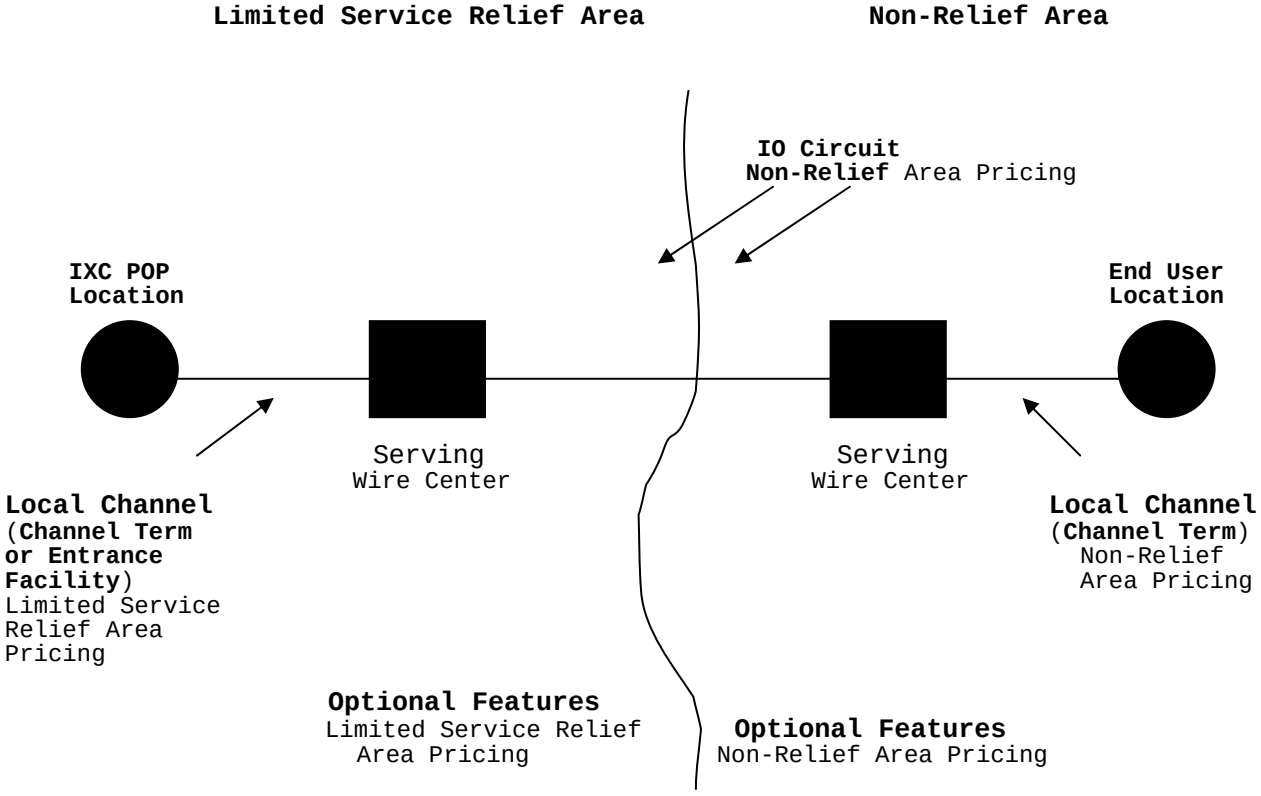

Figure 5

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

22.5 Rates and Charges (Cont'd)

22.5.2 Special Access Service (Cont'd)

22.5.2.12 Dedicated SONET Ring Service (T)

(A) Nodes (N)

Description	USOC	36 Months	60 Months	Monthly Extension
Per Node:				
OC-3				
-Customer Premises				
First	FP5CX	$1,650.00	$1,300.00	$2,120.00
First Re-Map	RN8CX	1,770.00	1,415.00	2,120.00
Additional	FP5CA	1,000.00	800.00	1,200.00
Additional Re-Map	RN8CA	1,000.00	800.00	1,200.00
-Central Office	FC5CX	1,000.00	800.00	1,200.00
OC-12				
-Customer Premises				
First	FP5DX	3,850.00	3,080.00	4,620.00
First Re-Map	RN8DX	3,850.00	3,080.00	4,620.00
Additional	FP5DA	2,620.00	2,095.00	3,140.00
Additional Re-Map	RN8DA	2,620.00	2,000.00	3,140.00
-Central Office	FC5DX	2,620.00	2,095.00	3,140.00
OC-48				
-Customer Premises				
First	FP5EX	5,890.00	4,715.00	7,070.00
First Re-Map	RN8EX	5,890.00	4,715.00	7,070.00
Additional	FP5EA	5,240.00	4,190.00	6,280.00
Additional Re-Map	RN8EA	5,240.00	4,190.00	6,280.00
-Central Office	FC5EX	5,240.00	4,190.00	6,280.00

(N)

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

22.5 Rates and Charges (Cont'd)

22.5.2 Special Access Service (Cont'd)

22.5.2.12 Dedicated SONET Ring Service (Cont'd) (T)

(A) Node (Cont'd) (N)

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) OC-48 Add/Drop Capability

Description	USOC	36 Months	60 Months	Monthly Extension
Per Arrangement	MPEFX	$3,510.00	$2,895.00	$4,350.00
Re-Map per arrangement	M8RFX	3,510.00	2,895.00	4,350.00

Description	USOC	Nonrecurring Charge
Nonrecurring charges for subsequent installation -per arrangement	NRBS8	490.00

(C) Ports

Description	USOC	36 Months	60 Months	Monthly Extension
- Per Port (excluding Re-Map)				
DS1 at OC-3 Node	SPRAX	$ 50.00	$ 45.00	$ 65.00
DS3 at OC-3 Node	SPRBX	120.00	110.00	150.00
OC-3 at OC-3 Node	S9T1X	350.00	300.00	550.00
DS3 at OC-12 Node	SPRCX	120.00	110.00	150.00
OC-3 or OC-3c at OC-12 Node	SPREX	150.00	135.00	190.00
DS1 at OC-12 Node (1)(2)	SPRGX	50.00	45.00	65.00
OC-12 at OC-12 Node	S9T2X	850.00	725.00	1,050.00

(1) Optical to Electrical DS1 add/drop capability as described in 26.3(A)(5) is needed along with an OC-3 port.
(2) The Optical-to-Electrical DS1 add/drop capability will be charged when the 85th DS1 port is applied per OC-12 node. (N)

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

22.5 Rates and Charges (Cont'd)

22.5.2 Special Access Service (Cont'd)

22.5.2.12 Dedicated SONET Ring Service (Cont'd) (T)
(N)

(C) Ports (Cont'd)

Description	USOC	36 Months	60 Months	Monthly Extension
-Per Port (excluding Re-Map)				
OC-12 or OC-12c at OC-48 Node	SPRHX	375.00	360.00	475.00
OC-3 or OC-3c at OC-48 Node	SPRJX	150.00	135.00	190.00
DS3 at OC-48 Node	SPRKX	120.00	110.00	150.00
DS1 at OC-48 Node (1)	SPRLX	50.00	45.00	65.00
OC-48 at OC-48 Node	S9T3X	1,900.00	1,650.00	2,850.00
100 Mbps Ethernet (STS-1) at OC-3 Node	S9TAX	145.00	130.00	225.00
100 Mbps Ethernet (STS-1) at OC-12 Node	S9TBX	145.00	130.00	225.00
100 Mbps Ethernet (STS-3c) at OC-12 Node	S9TCX	180.00	160.00	280.00
1 Gbps Ethernet (STS-1) at OC-12 Node	S9TDX	250.00	200.00	350.00
1 Gbps Ethernet (STS-3c) at OC-12 Node	S9TEX	250.00	200.00	350.00
100 Mbps Ethernet (STS-1) at OC-48 Node	S9TGX	145.00	130.00	225.00
100 Mbps Ethernet (STS-3c) at OC-48 Node	S9THX	180.00	160.00	280.00
1 Gbps Ethernet (STS-1) at OC-48 Node	S9TJX	250.00	200.00	350.00
1 Gbps Ethernet (STS-3c) at OC-48 Node	S9TKX	250.00	200.00	350.00
1 Gbps Ethernet (STS-12c) at OC-48 Node	S9TLX	600.00	500.00	875.00
1 Gbps Ethernet (STS-24c) at OC-48 Node	S9TMX	900.00	850.00	1500.00

(1) Optical to Electrical DS1 add/drop capability as described in 22.3(A)(5) is needed along with an OC-3 port.

(N)

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)

22.5.2.12 Dedicated SONET Ring Service (Cont'd) (T)

(C) Ports (Cont'd) (N)

Description	USOC	36 Months	60 Months	Monthly Extension
- Per port (Re-Map)				
Per DS1 Re-Map Block (consists of 28 DS1 ports) at				
OC-3 Ring	P8RAX	1,400.00	1,260.00	1,820.00
OC-12 Ring	P8RGX	1,400.00	1,260.00	1,820.00
OC-48 Ring	P8RLX	1,400.00	1,260.00	1,820.00
Per DS3 Re-Map Port				
OC-3 Ring	P8RBX	120.00	110.00	150.00
Per DS3 Re-Map Block (consists of 3 DS3 ports) at				
OC-12 Ring	P8RCX	360.00	330.00	450.00
OC-48 Ring	P8RKX	360.00	330.00	450.00
Per OC-3,OC-3c Re-Map Port at				
OC-12 Ring	P8REX	150.00	130.00	190.00
OC-48 Ring	P8RJX	150.00	130.00	190.00
Per OC-12,OC-12c Re-Map Port at OC-48 Ring	P8RHX	375.00	350.00	475.00

Description	USOC	Nonrecurring Charge
Nonrecurring charges for subsequent installation		
- Per port type		
OC-48 or OC-48c	NRBN9	$425.00
OC-12 or OC-12c	NRBSZ	400.00
OC-3 or OC-3c	NRBSW	400.00
DS3	NRBSX	385.00
DS1	NRBSY	350.00
100 Mbps Ethernet STS-1	NRM63	385.00
100 Mbps Ethernet STS-3c	NRM64	385.00
1 Gbps Ethernet STS-1	NRM65	425.00
1 Gbps Ethernet STS-3c	NRM66	425.00
1 Gbps Ethernet STS-12c	NRM67	425.00
1 Gbps Ethernet STS-24c	NRM68	425.00

(N)

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

22.5 Rates and Charges (Cont'd)

22.5.2 Special Access Service (Cont'd)

22.5.2.12 Dedicated SONET Ring Service (Cont'd) (T)

(D) Mileage (N)

Description	USOC	36 Months	60 Months	Monthly Extension
Per mile between nodes by ring type				
OC-3	1YAZX	$260.00	$220.00	$330.00
OC-12	1YAZX	260.00	220.00	330.00
OC-48	1YAZX	260.00	220.00	330.00

(E) Optical to Electrical DS1 Add/Drop Capability

Description	USOC	36 Months	60 Months	Monthly Extension
Per OC-3 to DS1 Add/Drop	MXJDX	875.00	700.00	1,050.00
Re-Map Per OC-3 to DS-1 Add/Drop	M8RDX	875.00	700.00	1,050.00

Description	USOC	Nonrecurring Charge
Nonrecurring charges for subsequent installation -Per DS1 off OC-12, OC-48	NRBS6	$490.00

(N)

ACCESS SERVICE

22. Metropolitan Statistical Area Access Services (Cont'd) (N)

22.5 Rates and Charges (Cont'd)

22.5.2 Special Access Service (Cont'd)

22.5.2.12 Dedicated SONET Ring Service (Cont'd)

(F) Dedicated SONET Ring Regenerator

Description	USOC	36 Months	60 Months	Monthly Extension
OC-3				
Each (as required)	RGY	$1,000.00	$ 800.00	$1,200.00
OC-12				
Each (as required)	RGY	2,620.00	2,095.00	3,140.00
OC-48				
Each (as required)	RGY	3,275.00	2,620.00	3,930.00

Description	USOC	Nonrecurring Charge
Nonrecurring charges for subsequent installation of Regenerator		
-Each (as required)	NRBS5	$270.00

(G) Shared Network Arrangement

Description	USOC	Nonrecurring Charge
Processing Charge Per Service Order	NRMCL	$30.00

(H) Installation and Rearrangement Charges

Description		Administrative Charge per Order	Design and Central Office Connection Charge, per Initial Ring
	USOC	ORCMX	NRMCK
OC-3		$60.00	$600.00
OC-12		60.00	600.00
OC-48		60.00	600.00

(N)

ACCESS SERVICE

22. Metropolitan Statistical Area Access Services (Cont'd) (N)

22.5 Rates and Charges (Cont'd)

22.5.2 Special Access Service (Cont'd)

22.5.2.12 Dedicated SONET Ring Service (Cont'd)

(I) Re-Map Service

Description	USOC	Nonrecurring Charge
Initial Service Script Establishment/ Test Charge		
Per OC-3 Ring	NRMR1	$2,000.00
Per OC-12 Ring	NRMR1	3,500.00
Per OC-48 Ring	NRMR1	4,500.00
Subsequent Script Activity Charge		
Per OC-3 Ring	NRMR3	1,200.00
Per OC-12 Ring	NRMR3	2,100.00
Per OC-48 Ring	NRMR3	2,700.00
Scheduled Test Charge		
Per OC-3 Ring	NRMR5	1,600.00
Per OC-12 Ring	NRMR5	2,800.00
Per OC-48 Ring	NRMR5	3,600.00
Emergency Re-Map Activation -per request		
Per OC-3 Ring	NRMR7	1,800.00
Per OC-12 Ring	NRMR7	3,150.00
Per OC-48 Ring	NRMR7	4,050.00

(N)

ACCESS SERVICE

22. Metropolitan Statistical Area Access Services (Cont'd) (N)

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
Additional	GP5AA	17,800.00	13,000.00	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
Central Office	NRBSV	325.00

(B) Add/Drop Capability

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

[1] The OC192 Add/Drop Capability charge is applied to all nodes, excluding regenerators.

(N)

ACCESS SERVICE

22. Metropolitan Statistical Area Access Service (Cont'd) (N)

22.5 Rates and Charges (Cont'd)

22.5.2 Special Access Service (Cont'd)

22.5.2.13 OC-192 Dedicated SONET Ring Serivice (Cont'd)

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

Description	USOC	36 Months	60 Months	Monthly Extension
(2) Optical to Electrical Per Arrangement[1]				
- (per node) not to exceed any configurable combination of ports beyond 192 STS-1 equivalents	MXJGX	$2,500.00	$2,000.00	$3,500.00

(N)

(1) When electrical drops are required, the Optical-to-Electrical Add/Drop Capability charge is applied in addition to the Add/Drop Capability charge set forth in Section 22.5.2.13(B), preceding. (N) (N) (N)

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(N)

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 (Cont'd)

(C) Ports

Description	USOC	3 Year	5 Year	Monthly Extension
- Per Port				
DS3	S9QGX	$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	3,00.00	5,700.00
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

Description	USOC	Nonrecurring Charge
Nonrecurring charges for subsequent installation		
- Per port type		
DS3	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
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

(D) Mileage

Description	USOC	3 Year	5 Year	Monthly Extension
Per mile between nodes(1)	1YAZX	$260.00	$210.00	$330.00

(1) A two-node ring configuration has a two-mile minimum, one mile from the CO node to the customer premise node, and one mile from the customer premise node to the CO node.

(N)

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22. Metropolitan Statistical Area Access Services (Cont'd) (N)

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 (Cont'd)

(E) Ring Regenerator

Description	USOC	3 Year	5 Year	Monthly Extension
Each (as required)	RGY	$9,250.00	$ 7000.00	$13,875.00

Description	USOC	Nonrecurring Charge
Nonrecurring charges for subsequent installation of Regenerator -Each (as required)	NRBS5	$270.00

(F) Shared Network Arrangement

Description	USOC	Nonrecurring Charge
Processing Charge Per Service Order	NRMCL	$30.00

(G) Installation and Administrative Charges

Description	USOC	Nonrecurring Charge
Administrative Charge Per Service Order	ORCMX	$60.00
Design and Central Office Connection Charge, Per Initial Ring	NRMCK	2,250.00(1)

(1) Per Ring Charge for Dedicated Ring Service is applied once per original ring installed. (N)

ACCESS SERVICE

22. Metropolitan Statistical Area Access Services (Cont'd) (N)

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 (Cont'd)

(H) Optical-to-Electrical Add/Drop Capability

Description	USOC	36 Months	60 Months	Monthly Extension
Per Arrangement[1] - per node) not to exceed any configurable combination of ports beyond 192 STS-1 equivalents	MXJGX	$2,500.00	$2,000.00	$3,500.00

(N)

[1] When electrical drops are required, the Optical-to-Electrical Add/Drop Capability charge is applied in addition to the Add/Drop Capability charge set forth in Section 22.4(B), preceding. (N) (N) (N)

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26. Dedicated SONET Ring Service (N)

26.1 General Description

(A) Basic Service Description

Dedicated SONET Ring OC-3, OC-12 and OC-48 Service provides customers with a dedicated custom network. The network is in a ring architecture, including sub-rings, designed to provide increased reliability and functionality by connecting multiple customer designated locations and specified Telephone Company Central Offices (COs) via self-healing network designs. Dedicated SONET Rings OC-3, OC-12 and OC-48 are available via Self-Healing Uni-Directional Path Switched Rings (UPSR); additionally, OC-48 is available via Self-Healing Bi-Directional Line Switched Rings (BLSR). The dedicated ring can connect multiple (between 2 and 16) customer-designated locations and Telephone Company COs, where SONET facilities and equipment are available. The Dedicated SONET Ring services will interface with other compatible Telephone Company-provided Special Access Services as provided by the Tariff (i.e. DS1, DS3).

Rates and charges for Dedicated SONET Ring Service are set forth in Section 26.4, with the exception of the services provided by the Telephone Company in the Metropolitan Statistical Areas (MSAs) in which the Telephone Company has received Phase II pricing flexibility pursuant to Subpart H of Part 69 of the Commission's Rules. The rates and charges for the Dedicated SONET Ring Service in the MSAs that have received Phase II pricing flexibility are set forth in Section 22.

Rate elements include nodes, ports, mileage between nodes and regenerators. Rates are specified in Section 26.4, following.

(B) Service Provisioning

(1) Manner of Provisioning

All customers will be served from the nearest suitably equipped end office. Information pertaining to end offices equipped to provide Dedicated Ring Service is set forth in the National Exchange Carrier Association, Inc. (NECA) Tariff F.C.C. No. 4. Dedicated SONET Ring Service will be provided subject to the availability and limitations of the Telephone Company's wire centers and outside plant facilities. Dedicated SONET Ring Service is only available where technical capabilities permit such facility distance and type of physical plant. Where facilities are not available, Special Construction charges may apply.

(2) Limitations

The Telephone Company does not undertake to originate data, but offers the use of its Dedicated SONET Ring Service, where available, to customers for the purpose of transporting data originated by the customer or a third party. (N)

(N)

26. Dedicated SONET Ring Service (Cont'd)

26.1 General Description (Cont'd)

(B) Service Provisioning (Cont'd)

(3) Allowance for Service Interruptions

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

In the event that protected facilities do not exist (including dual entrance facilities) and the customer does not utilize Special Construction to provide protected facilities, the unprotected dedicated ring will be provided.

(C) Responsibility of The Telephone Company

The Telephone Company will provision and maintain Dedicated SONET Ring Service for the customer up to and including the Network Interface (NI).

(D) Rights of The Telephone Company

The Telephone Company will not provision Dedicated SONET Ring Service if it has reasonably determined that (a) it is not technically feasible over existing facilities, or (b) it will cause interference problems within the Telephone Company's network or other facilities.

During the Telephone Company's network maintenance and software update period, it may be necessary to temporarily place the Dedicated SONET Ring Service CO equipment out of service. The Telephone Company also reserves the right to temporarily interrupt Dedicated SONET Ring Service at other times in emergency situations.

(N)

26. Dedicated SONET Ring Service (Cont'd) (N)

26.1 General Description (Cont'd)

(E) Responsibility of Customer

The customer is responsible for providing compatible Customer Provided Equipment (CPE) that is used for connection to Dedicated SONET Ring Service.

26.2 Technical Specifications

Technical specifications for Dedicated SONET Ring Service are listed in the following Telephone Company publications:

(1) TP 76839 SONET Transmission Requirements Performance and Interface Specifications

(2) AM TR-NIS-000111 Ameritech OC-3, OC-12, OC-48 and OC-192 Service Interface Specifications

Dedicated SONET Ring Service offers the following SONET (Synchronous Optical Network) based Interfaces:

DS1 1.544 Mbps
DS3 44.736 Mbps
OC-3 155.520 Mbps
OC-3c 155.520 Mbps (concatenated)
OC-12 622.080 Mbps
OC-12c 622.080 Mbps (concatenated)
OC-48 2488.320 Mbps
Ethernet 100 Mbps
Ethernet 1 Gbps

26.3 Rate Regulations

(A) Rate Elements

(1) Nodes

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

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

(N)

26. Dedicated SONET Ring Service (Cont'd) (N)

26.3 Rate Regulations (Cont'd)

(A) Rate Elements (Cont'd)

(1) Nodes (Cont'd)

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

If a customer collocates two customer premises nodes of the same speed, on the same dedicated ring, on the same premises, the additional node will be billed as shown in Section 26.4. This option does not provide diversity between these two collocated nodes and the rest of the ring.

(a) Sub-Ring Node

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

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

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

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

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

A sub-ring node which is co-located with a main ring node at the customers premises (for the same dedicated ring) will be billed as an "Additional Node" per 26.4 (A), following. A sub-ring is not available with a two-node main ring configuration.

(N)

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26. Dedicated SONET Ring Service (Cont'd) (N)

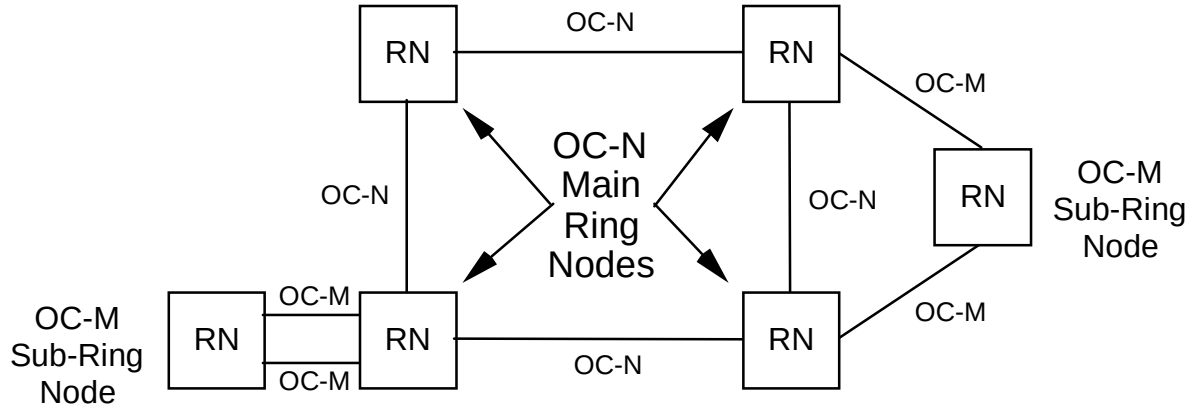
26.3 Rate Regulations (Cont'd)

(A) Rate Elements (Cont'd)

(1) Nodes (Cont'd)

(a) (Cont'd)

Sub-Ring Node Diagram



Sub-Ring Nodes, OC-M < OC-N

(b) Re-Map Node

A Re-Map node is a ring node that is pre-equipped and dedicated to customer traffic that is re-mapped/re-routed to it by the Telephone Company (upon notification by the customer of a service outage at another customer premises node on the same dedicated ring).

Re-Map is designed as a temporary service for disaster recovery purposes only. No "normal" customer traffic will be added/dropped at the Re-Map node unless the Re-Map service is activated.

(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, DS3, 100 Mbps Ethernet and 1 Gbps Ethernet ports. OC-48 Add/Drop Capability at an OC-48 Dedicated SONET Ring Service node location will support any combination of service traffic not to exceed 48 STS-1 equivalents. The Add/Drop Capability charge is applied only once, and only when the 25th DS3 port is applied per node. (N)

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26. Dedicated SONET Ring Service (Cont'd) (N)

26.3 Rate Regulations (Cont'd)

(A) Rate Elements (Cont'd)

(3) Ports

Lower speed channels are accessible at nodes via port terminations. Ports provide access to lower-speed services at each node (e.g. DS1, DS3, OC-3, 100 Mbps Ethernet, 1 Gbps Ethernet, and possibly OC-12, depending on the bandwidth of the ring). Port configuration requirements are provided by the customer when the Dedicated SONET Ring service is ordered. The capacity of the selected OC-3, OC-12 or OC-48 Dedicated SONET Ring service is determined by the number of individual port-to-port connections available between all nodes on the ring.

Accepted interfaces are as follows:

	OC-3 Node	OC-12 Node	OC-48 Node
DS1 Ports	X (Max. 84/Node)	X[1](Max. 84/OC-3 or OC-3c Port)	X[1](Max. 84/OC-3, OC-3c Port)
DS3 Ports	X (Max. 3/Node)	X (Max. 12/Node)	X (Max. 48/Node)
OC-3/3c Ports[2]	X (Max. 1/Node)	X (Max. 4/Node)	X (Max. 16/Node)
OC-12/12c Ports[2]	N/A	X (Max. 1/Node)	X (Max. 4/Node)
OC-48/48c Ports[2]	N/A	N/A	X (Max. 1/Node)
100 Mbps (STS-1) Ethernet Port	X (Max. 3/Node)	X (Max. 12/Node)	X (Max. 48/Node)
100 Mbps (STS-3c) Ethernet Port	N/A	X (Max. 4/Node)	X (Max. 16/Node)
1 Gbps (STS-1) Ethernet Port	N/A	X(Max. 12/Node)	X (Max. 32/Node)
1 Gbps (STS-3c) Ethernet Port	N/A	X (Max. 4/Node)	X (Max. 16/Node)
1 Gbps (STS-12c) Ethernet Port	N/A	N/A	X (Max. 4/Node)
1 Gbps (STS-24c) Ethernet Port	N/A	N/A	X (Max. 2/Node)

By using the existing OC-3 or OC-12 Service and cross-connection capability, 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 Telephone Company CO.

An OC-3 port will permit the connection of STS-1 channels to other STS-1 channels across the OC-12 or OC-48 Dedicated SONET Ring Service, subject to the overall ring capacity limits described in 26.3(A)(7), following. Also, an STS-1 channel with DS1 payload mapping accessing an OC-12 Dedicated SONET 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 SONET Ring using an OC-3 port may individually connect to a DS3 port.

[1] Optical to Electrical DS1 Add/Drop Capability as described in 26.3(A)(5) is needed along with an OC-3 port.
[2] OC-3 and OC-3c ports support both OC-3 and OC-3c bandwidths. OC-12 and OC-12c ports support both OC-12 and OC-12c bandwidths. OC-48 and OC-48c ports support both OC-48 and OC-48c bandwidths. (N)

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26. Dedicated SONET Ring Service (Cont'd) (N)

26.3 Rate Regulations (Cont'd)

(A) Rate Elements (Cont'd)

(3) Ports (Cont'd)

When a customer orders a Re-Map node, a minimum number of Re-Map ports must be equipped;

OC-3 28 DS1 Re-Map ports, or 1 DS3 Re-Map port
OC-12 28 DS1 Re-Map ports, or 3 DS3 Re-Map ports, or 1 OC-3 or OC-3c Re-Map port
OC-48 28 DS1 Re-Map ports, or 3 DS3 Re-Map ports, or 1 OC-3 or OC-3c Re-Map port or 1 OC-12 Re-Map port

Re-Map node ports must be ordered in incremental blocks as described below:

Port Type

	DS1	DS3	OC-3 or OC-3c	OC-12 or OC-12c
OC-3 Ring	28, 56 or 84 (multiples of 28)	1, 2, or 3	N/A	N/A
OC-12 Ring	28, 56 or 84 (multiples of 28)	3, 6, 9, or 12	1, 2, 3, or 4	N/A
OC-48 Ring	28, 56 or 84 (multiples of 28)	3, 6, 9... or 48	1, 2, 3... or 16	1, 2, 3 or 4

An OC-12 or OC-48 ring utilizing Re-Map requires an OC-3 or OC-3c Re-Map port and DS1 Re-Map Add/Drop Capability to support DS1 port types. (An OC-3 or OC-3c Re-Map port and DS1 Re-Map Add/Drop Capability supports up to 84 DS1's.)

(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[1]

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 purchased per OC-12 node, and required for the first DS-1 port purchased per Oc-48 node. Additional charges will apply per each subsequent increment of 84 DS-1 ports.

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

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26. Dedicated SONET Ring Service (Cont'd) (N)

26.3 Rate Regulations (Cont'd)

(A) Rate Elements (Cont'd)

(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.

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		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. (N)

ACCESS SERVICE

26. Dedicated SONET Ring Service (Cont'd) (N)

26.3 Rate Regulations (Cont'd)

(A) Rate Elements (Cont'd)

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

For OC-12 Dedicated SONET 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 (168)
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 28 (308)
None	and	Twelve Groups 28 (336)

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

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

OC-12 Dedicated SONET Ring Service will also provide capability for node-to-node connection of STS-1 or STS-3c channels using OC-3 or OC-3c ports on the OC-12 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-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-DS1 port connections.

An OC-3 Sub-ring provided as part of an OC-12 Dedicated SONET Ring Service reduces the remaining OC-12 ring capacity by the equivalent of three DS3 port-to-DS3 port connections or 84 DS1 port-to-DS1 port connections. (N)

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26. Dedicated SONET Ring Service (Cont'd) (N)

26.3 Rate Regulations (Cont'd)

(A) Rate Elements (Cont'd)

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

For OC-48 Dedicated SONET 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-DS3 Port Connections		DS1 Port-to-DS1 Port Connections
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-48 Dedicated SONET 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 SONET Ring Service also provides capability for node-to-node connection of STS-1 or STS-3c channels using OC-3 or OC-12, 100 Mbps Ethernet and 1 Gbps Ethernet 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 reduces 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 reduces the remaining ring capacity by the equivalent of three DS3 port-to-DS3 port connections or 84 DS1 port-to-DS1 port connections.

An OC-3 Sub-ring provided as part of OC-48 Dedicated SONET Ring Service reduces the remaining OC-48 ring capacity by the equivalent of three DS3 port-to-DS3 port connections or 84 DS1 port-to-DS1 port connections. (N)

ACCESS SERVICE

26. Dedicated SONET Ring Service (Cont'd)

26.3 Rate Regulations (Cont'd)

(A) Rate Elements (Cont'd)

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

(N)

OC-48 Dedicated SONET Ring Service also provides 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 reduces the remaining ring capacity by the equivalent of twelve DS3 port-to-DS3 port connections or 336 DS1 port-to-DS1 port connections.

An OC-12 Sub-ring provided as part of OC-48 Dedicated SONET Ring Service reduces the remaining OC-48 ring capacity by the equivalent of twelve DS3 port-to-DS3 port connections or 336 DS1 port-to-DS1 port connections.

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 Dedicated SONET Ring Service as set forth in Section 26. 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.

(N)

(N)

26. Dedicated SONET Ring Service (Cont'd)

26.3 Rate Regulations (Cont'd)

(B) Term Pricing Plan

(1) General Description

Dedicated SONET Rings are available for either 36- or 60-month Term Pricing Plan (TPP) periods. Monthly recurring charges apply for the nodes, ports, mileage between nodes, and regenerators.

(2) Nonrecurring Charges

Nonrecurring Charges, as set forth in 26.4, following, will apply for those arrangements ordered under the Dedicated SONET Ring TPP.

(3) Rate Flow Through

Any decreases in recurring tariff rates will be passed on to customers who participate in the TPP. The Telephone Company will notify customers participating in the TPP when monthly rates are decreased.

Should the Telephone Company increase its rates during the TPP period, the customer will pay the increased rates as long as the increase does not exceed the original tariffed rate in effect at the time the customer established service under the TPP.

(4) Subsequent Activity on the Ring

If new rate elements, as described in Section 26.3(A), are added after the initial installation of the dedicated ring, the new rate element will carry the same TPP rate as the initial ring. All new rate element's terms will be independent of the term of the initial ring. If a new rate element is added during the last 12 months or less of a TPP, the customer will be billed the initial TPP ring rate for a minimum period of 12 months. If the ring is disconnected before the new rate element's term expires, termination liability for that new rate element will apply.

(N)

26. Dedicated SONET Ring Service (Cont'd) (N)

26.3 Rate Regulations (Cont'd)

(B) Term Pricing Plan (Cont'd)

(5) Renegotiation

The customer may choose to terminate an existing TPP any time prior to the end of the 36- or 60-month period and negotiate a new TPP without termination liability, provided the new TPP meets the following requirements:

(a) The minimum period for the new TPP must be greater than the remaining period currently in effect, and

(b) The renegotiated TPP will be based on the current rates.

An existing 36-month TPP may be converted into a 60-month TPP without termination liabilities, provided that:

- the 36-month TPP has not ended, and
- the converted TPP must be based upon the rates that are currently in effect and otherwise available to all customers.

When the customer converts to a 60-month TPP, actual time in service for the original TPP will be applied to the new TPP. However, no credits or refunds will apply for the billing of actual time in service for the previous TPP.

The customer must meet the following to qualify for the renegotiation clause, without incurring Termination Liability charges.

(1) The customer subscribes to a new higher speed Term Pricing Plan period that is equal to, or greater than 36 months;

(2) The expiration date for the new Term Pricing Plan period is beyond the end of the original Term Pricing Plan period;

(3) No lapse in service occurs;

(4) Nonrecurring Charges will apply, when applicable;

(5) The monthly rates for the new service will be those rates in effect at the time the new service is installed;

(6) The new service is provided between the same customer locations and with the same customer of record as the disconnected service;

(7) The billed monthly recurring revenue for the new service is equal to or greater than the billed monthly recurring revenue remaining in the service being converted; and

(8) Spare facilities and equipment must be available or a nonrecurring upfront payment, which is a Special Construction charge, may apply. (N)

26. Dedicated SONET Ring Service (Cont'd) (N)

26.3 Rate Regulations (Cont'd)

(B) Term Pricing Plan (Cont'd)

(6) Renewal

(a) The customer must provide the Telephone Company with a written notice of intent to renew a TPP no later than 60 days prior to its expiration.

(b) The customer will continue to be billed at the current TPP rates.

(c) The new TPP must be for a 36- or 60-month period.

(d) If the customer does not renew the TPP or does not notify the Telephone Company of its intent to renew the TPP, the customer's service will convert to the Monthly Extension rate until the customer cancels or renews the service with a new TPP term.

(7) Termination of Service

If a customer cancels a service order or terminates services before the completion of the term for any reason other than a service interruption, the customer agrees to pay the Telephone Company termination liability charges, which are defined below. These charges shall become due as of the effective date of the cancellation or termination, and are payable within 30 days of the invoice date, subject to interest penalty on the unpaid balance.

Customer's termination liability for cancellation or termination of service shall be equal to:

(a) All waived and/or unpaid nonrecurring charges, plus

(b) 50% of all recurring charges for the balance of the customer's term.

(C) Moves

(1) Moves within a Customer's Premises

A move involves a change in the physical location of the Point of Termination on the customer's premises. Such moves will be treated as an extension of Dedicated SONET Ring facilities. Extension of Dedicated SONET Ring facilities will be provided, at the customer's request, on a time-sensitive charge basis. The labor rates that apply are set forth in Section 13, preceding (Rates and Charges). There will be no change in the TPP term requirements.

(2) Moves of Dedicated SONET Ring Nodes

Moves of Dedicated SONET Ring nodes requested by the customer will be billed time and material for charges incurred. No change in the billing period is required. Termination Liability charges will not apply to moves of Dedicated SONET Ring nodes. If an additional location, monthly node is placed to facilitate migration of services to the new node location, monthly node charges will apply to both the additional node and the node being moved during the period for service transition.

(N)

26. Dedicated SONET Ring Service (Cont'd) (N)

26.3 Rate Regulations (Cont'd)

(D) Upgrades of Dedicated SONET Ring Service to Higher Speed Services

Customers with 36- or 60-month Dedicated SONET Ring Service TPPs may at any time upgrade to a higher speed service (e.g., OC-3 to OC-12), without incurring the Termination Liability charge, providing the following criteria are met:

(1) The customer subscribes to a new higher speed Term Pricing Plan period that is equal to, or greater than, 36 months;

(2) The expiration date for the new Term Pricing Plan period is beyond the end of the original Term Pricing Plan period;

(3) No lapse in service occurs;

(4) Nonrecurring Charges will apply, when applicable;

(5) The monthly rates for the new service will be those rates in effect at the time the new service is installed;

(6) The new service is provided between the same customer locations and with the same customer of record as the disconnected service;

(7) The billed monthly recurring revenue for the new service is equal to or greater than the billed monthly recurring revenue remaining in the service being converted; and

(8) Spare facilities and equipment must be available or a nonrecurring upfront payment, which is a Special Construction charge, may apply. (N)

(N)

26. Dedicated SONET Ring Service (Cont'd)

26.3 Rate Regulations (Cont'd)

(E) Conversion to Dedicated SONET Ring Service from Other Services

Customers may convert to one of the following existing services to Dedicated SONET Ring Service, without incurring the Termination Liability charges for those existing services, as long as the minimum requirements in that section of the tariff for waiver of the Termination Liability charges are met. The DS3 and OCN Point-to-Point Service Tariffs will depict applicable termination liability exemptions.

The following services found in F.C.C. No. 1 may be upgraded to Dedicated SONET Ring:

(1) Broadband Circuit Service: Section 20.2(J)
(2) Optical Carrier Network Point-to-Point: Section 21.2(I)

The customer must meet the following to qualify for conversions without incurring Termination Liability charges.

(1) The customer subscribes to a new higher speed Term Pricing Plan period that is equal to, or greater than, 36 months;

(2) The expiration date for the new Term Pricing Plan period is beyond the end of the original Term Pricing Plan period;

(3) No lapse in service occurs;

(4) Nonrecurring Charges will apply, when applicable;

(5) The monthly rates for the new service will be those rates in effect at the time the new service is installed;

(6) The new service is provided between the same customer locations and with the same customer of record as the disconnected service;

(7) The billed monthly recurring revenue for the new service is equal to or greater than the billed monthly recurring revenue remaining in the service being converted; and

(8) Spare facilities and equipment must be available or a nonrecurring upfront payment, which is a Special Construction charge, may apply.

(N)

26. Dedicated SONET Ring Service (Cont'd) (N)

26.3 Rate Regulations (Cont'd)

(F) Shared Network Arrangement

A Shared Network Arrangement is a service offering that enables a customer ("Service User") to connect subtending services to an OC-3, OC-12 or OC-48 Dedicated SONET Ring service of another customer (the "Host Subscriber"), with the Telephone Company maintaining separate billing for each. Each customer will be billed for those rate elements associated with their own portion of the service configuration. The Host Subscriber will be responsible for all Dedicated SONET Ring Service rate elements (for example, node, ports and mileage, etc). Under no circumstances will the rates or charges for individual rate elements be split. This offering is limited to service configurations where a Service User orders a subtending service dropped from a Host Subscriber's Dedicated SONET Ring wire center node.

Under the Shared Network Arrangement, the Telephone Company may share record information with the Host Subscriber pertaining to the services of other users of the shared network. Such disclosure will be under the sole discretion of the Telephone Company and is necessary to perform billing reconciliation and/or other functions required in connection with maintaining account records.

(G) 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.

(N)

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26. Dedicated SONET Ring Service (Cont'd) (N)

26.3 Rate Regulations (Cont'd)

(G) Re-Map Service (Cont'd)

Re-Map testing or activation for OC-3 or OC-12 DDN 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.

(N)

ACCESS SERVICE

26. Dedicated SONET Ring Service (Cont'd) (N)

26.4 Rates and Charges

(A) Node

Description	USOC	36 Months	60 Months	Monthly Extension
Per Node:				
OC-3				
-Customer Premises				
First	FP5CX	$1,650.00	$1,300.00	$2,120.00
First Re-Map	RN8CX	1,770.00	1,415.00	2,120.00
Additional	FP5CA	1,000.00	800.00	1,200.00
Additional Re-Map	RN8CA	1,000.00	800.00	1,200.00
-Central Office	FC5CX	1,000.00	800.00	1,200.00
OC-12				
-Customer Premises				
First	FP5DX	3,850.00	3,080.00	4,620.00
First Re-Map	RN8DX	3,850.00	3,080.00	4,620.00
Additional	FP5DA	2,620.00	2,095.00	3,140.00
Additional Re-Map	RN8DA	2,620.00	2,000.00	3,140.00
-Central Office	FC5DX	2,620.00	2,095.00	3,140.00
OC-48				
-Customer Premises				
First	FP5EX	5,890.00	4,715.00	7,070.00
First Re-Map	RN8EX	5,890.00	4,715.00	7,070.00
Additional	FP5EA	5,240.00	4,190.00	6,280.00
Additional Re-Map	RN8EA	5,240.00	4,190.00	6,280.00
-Central Office	FC5EX	5,240.00	4,190.00	6,280.00

(N)

26. Dedicated SONET Ring Service (Cont'd) (N)

26.4 Rates and Charges (Cont'd)

(A) Node (Cont'd)

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) OC-48 Add/Drop Capability

Description	USOC	36 Months	60 Months	Monthly Extension
Per Arrangement	MPEFX	$3,510.00	$2,895.00	$4,350.00
Re-Map per arrangement	M8RFX	3,510.00	2,895.00	4,350.00
Nonrecurring charges for subsequent installation per arrangement	NRBS8			490.00

(C) Ports

Description	USOC	36 Months	60 Months	Monthly Extension
- Per Port (excluding Re-Map)				
DS1 at OC-3 Node	SPRAX	$ 50.00	$ 45.00	$ 65.00
DS3 at OC-3 Node	SPRBX	120.00	110.00	150.00
OC-3 at OC-3 Node	S9T1X	350.00	300.00	550.00
DS3 at OC-12 Node	SPRCX	120.00	110.00	150.00
OC-3 or OC-3c at OC-12 Node	SPREX	150.00	135.00	190.00
DS1 at OC-12 Node [1][2]	SPRGX	50.00	45.00	65.00
OC-12 at OC-12 Node	S9T2X	850.00	725.00	1,050.00

[1]Optical to Electrical DS1 add/drop capability as described in 26.3(A)(5)is needed along with an OC-3 port.

[2]The Optical-to-Electrical DS1 add/drop capability will be charged when the 85th DS1 port is applied per OC-12 node. (N)

26. Dedicated SONET Ring Service (Cont'd) (N)

26.4 Rates and Charges (Cont'd)

(C) Ports (Cont'd)

Description	USOC	36 Months	60 Months	Monthly Extension
-Per Port (excluding Re-Map)				
OC-12 or OC-12c at OC-48 Node	SPRHX	375.00	360.00	475.00
OC-3 or OC-3c at OC-48 Node	SPRJX	150.00	135.00	190.00
DS3 at OC-48 Node	SPRKX	120.00	110.00	150.00
DS1 at OC-48 Node (1)	SPRLX	50.00	45.00	65.00
OC-48 at OC-48 Node	S9T3X	1,900.00	1,650.00	2,850.00
100 Mbps Ethernet (STS-1) at OC-3 Node	S9TAX	145.00	130.00	225.00
100 Mbps Ethernet (STS-1) at OC-12 Node	S9TBX	145.00	130.00	225.00
100 Mbps Ethernet (STS-3c) at OC-12 Node	S9TCX	180.00	160.00	280.00
1 Gbps Ethernet (STS-1) at OC-12 Node	S9TDX	250.00	200.00	350.00
1 Gbps Ethernet (STS-3c) at OC-12 Node	S9TEX	250.00	200.00	350.00
100 Mbps Ethernet (STS-1) at OC-48 Node	S9TGX	145.00	130.00	225.00
100 Mbps Ethernet (STS-3c) at OC-48 Node	S9THX	180.00	160.00	280.00
1 Gbps Ethernet (STS-1) at OC-48 Node	S9TJX	250.00	200.00	350.00
1 Gbps Ethernet (STS-3c) at OC-48 Node	S9TKX	250.00	200.00	350.00
1 Gbps Ethernet (STS-12c) at OC-48 Node	S9TLX	600.00	500.00	875.00
1 Gbps Ethernet (STS-24c) at OC-48 Node	S9TMX	900.00	850.00	1500.00

(1) Optical to Electrical DS1 add/drop capability as described in 26.3(A)(5)is needed along with an OC-3 port.

(N)

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26. Dedicated SONET Ring Service (Cont'd) (N)

26.4 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-3 Ring	P8RAX	1,400.00	1,260.00	1,820.00
OC-12 Ring	P8RGX	1,400.00	1,260.00	1,820.00
OC-48 Ring	P8RLX	1,400.00	1,260.00	1,820.00
Per DS3 Re-Map Port				
OC-3 Ring	P8RBX	120.00	110.00	150.00
Per DS3 Re-Map Block (consists of 3 DS3 ports) at				
OC-12 Ring	P8RCX	360.00	330.00	450.00
OC-48 Ring	P8RKX	360.00	330.00	450.00
Per OC-3,OC-3c Re-Map Port at				
OC-12 Ring	P8REX	150.00	130.00	190.00
OC-48 Ring	P8RJX	150.00	130.00	190.00
Per OC-12,OC-12c Re-Map Port at OC-48 Ring	P8RHX	375.00	350.00	475.00

Description	USOC	Nonrecurring Charge
Nonrecurring charges for subsequent installation		
- Per port type		
OC-48 or OC-48c	NRBN9	$425.00
OC-12 or OC-12c	NRBSZ	400.00
OC-3 or OC-3c	NRBSW	400.00
DS3	NRBSX	385.00
DS1	NRBSY	350.00
100 Mbps Ethernet STS-1	NRM63	385.00
100 Mbps Ethernet STS-3c	NRM64	385.00
1 Gbps Ethernet STS-1	NRM65	425.00
1 Gbps Ethernet STS-3c	NRM66	425.00
1 Gbps Ethernet STS-12c	NRM67	425.00
1 Gbps Ethernet STS-24c	NRM68	425.00

(N)

ACCESS SERVICE

26. Dedicated SONET Ring Service (Cont'd) (N)

26.4 Rates and Charges (Cont'd)

(D) Mileage

Description	USOC	36 Months	60 Months	Monthly Extension
Per mile between nodes by ring type				
OC-3	1YAZX	$260.00	$220.00	$330.00
OC-12	1YAZX	260.00	220.00	330.00
OC-48	1YAZX	260.00	220.00	330.00

(E) Optical to Electrical DS1 Add/Drop Capability

Description	USOC	36 Months	60 Months	Monthly Extension
Per OC-3 to DS1 Add/Drop	MXJDX	875.00	700.00	1,050.00
Re-Map Per OC-3 to DS-1 Add/Drop	M8RDX	875.00	700.00	1,050.00

Description	USOC	Nonrecurring Charge
Nonrecurring charges for subsequent installation -Per DS1 off OC-12, OC-48	NRBS6	$490.00

(N)

ACCESS SERVICE

26. Dedicated SONET Ring Service (Cont'd)

(N)

26.4 Rates and Charges (Cont'd)

(F) Dedicated SONET Ring Regenerator

Description	USOC	36 Months	60 Months	Monthly Extension
OC-3 Each (as required)	RGY	$1,000.00	$ 800.00	$1,200.00
OC-12 Each (as required)	RGY	2,620.00	2,095.00	3,140.00
OC-48 Each (as required)	RGY	3,275.00	2,620.00	3,930.00

Description	USOC	Nonrecurring Charge
Nonrecurring charges for subsequent installation of Regenerator -Each (as required)	NRBS5	$270.00

(G) Shared Network Arrangement

Description	USOC	Nonrecurring Charge
Processing Charge Per Service Order	NRMCL	$30.00

(H) Installation and Rearrangement Charges

Description	Administrative Charge per Order	Design and Central Office Connection Charge, per Initial Ring
USOC	ORCMX	NRMCK
OC-3	$60.00	$600.00
OC-12	60.00	600.00
OC-48	60.00	600.00

(N)

26. Dedicated SONET Ring Service (Cont'd) (N)

26.4 Rates and Charges (Cont'd)

(I) Re-Map Service

Description	USOC	Nonrecurring Charge
Initial Service Script Establishment/ Test Charge		
Per OC-3 Ring	NRMR1	$2,000.00
Per OC-12 Ring	NRMR1	3,500.00
Per OC-48 Ring	NRMR1	4,500.00
Subsequent Script Activity Charge		
Per OC-3 Ring	NRMR3	1,200.00
Per OC-12 Ring	NRMR3	2,100.00
Per OC-48 Ring	NRMR3	2,700.00
Scheduled Test Charge		
Per OC-3 Ring	NRMR5	1,600.00
Per OC-12 Ring	NRMR5	2,800.00
Per OC-48 Ring	NRMR5	3,600.00
Emergency Re-Map Activation -per request		
Per OC-3 Ring	NRMR7	1,800.00
Per OC-12 Ring	NRMR7	3,150.00
Per OC-48 Ring	NRMR7	4,050.00

(N)

ACCESS SERVICE

(N)

(This page filed under Transmittal No. 118)

ACCESS SERVICE

(N)

27. OC-192 Dedicated SONET Ring Service

27.1 General Description

(A) Basic Service Description

OC-192 Dedicated SONET Ring Service is a 9.953 Gbps transport service. OC-192 is designed for transport of lower speed services, e.g. DS3, OC-3 or OC-3c, OC-12 or OC-12c, OC-48 or OC-48c and 1 Gbps Ethernet. The dedicated ring is designed to provide increased reliability and functionality by connecting multiple customer locations and specified Telephone Company Central Offices (COs) via self-healing Bi-directional Line Switched Rings (BLSR). OC-192 is a logical extension of the existing SONET products OC-3, OC-3c, OC-12, OC-12c, OC-48 and OC-48c.

The dedicated ring can connect multiple (between 2 and 16) customer designated locations and Telephone Company COs, as described in Section 27.1(B)(1), following, where SONET facilities and equipment are available.

Rate elements include nodes, ports, mileage, regenerators, and add/drop capability. Rates are specified in 27.4, following.

Rates and charges for OC-192 Dedicated SONET Ring Service are set forth in Section 27.4, following, with the exception of the services provided by the Telephone Company in the Metropolitan Statistical Areas (MSAs) in which the Telephone Company has received Phase II pricing flexibility pursuant to Subpart H of Part 69 of the Commission’s Rules. The rates and charges for the OC-192 Dedicated SONET Ring Service in the MSAs that have received Phase II pricing flexibility are set forth in Section 22.

During the establishment of the dedicated ring configuration, the Telephone Company and customer will establish a Cooperative Planning Agreement for the management of the design, engineering and the migration of existing services onto the dedicated ring.

(N)

ACCESS SERVICE

(N)

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

27.1 General Description (Cont'd)

(B) Service Provisioning

(1) Manner of Provisioning

All customers will be served from the nearest suitably equipped end office. Information pertaining to end offices equipped to provide OC-192 Dedicated SONET Ring Service is set forth in the National Exchange Carrier Association, Inc. (NECA) Tariff F.C.C. No. 4. OC-192 Dedicated SONET Ring Service will be provided subject to the availability and limitations of the Telephone Company's wire centers and outside plant facilities. OC-192 Dedicated SONET Ring Service is only available where technical capabilities permit such facility distance and type of physical plant. Where facilities are not available, Special Construction charges may apply.

(2) Limitations

The Telephone Company does not undertake to originate data, but offers the use of its OC-192 Dedicated SONET Ring Service, where available, to customers for the purpose of transporting data originated by the customer or a third party.

Unprotected services may be interrupted to repair other circuits. In cases where the customer orders OC-192 Dedicated SONET Ring Service with an unprotected 2-fiber service interface, the Telephone Company may provision this unprotected service, with other unprotected services, via a multi-port circuit card. If one unprotected service on the card incurs an outage, the Telephone Company may repair the 2-fiber service interface device by replacing the card, which may temporarily interrupt service on any other unprotected tributary circuits that subtend this same multi-port circuit card. In the event of a service interruption, credit allowance will be provided for the service that suffered the unplanned outage, as outlined in Section 27.1(3), following.

The Telephone Company will maintain and repair the OC-192 Dedicated SONET Ring Service which it furnishes, and will provide the customer reasonable notification of service affecting activities that may occur in the normal operation of business.

(N)

ACCESS SERVICE

(N)

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

27.1 General Description (Cont'd)

(B) Service Provisioning (Cont'd)

(3) Allowance for Service Interruptions

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

In the event that protected facilities do not exist, including dual entrance facilities, and the customer does not utilize Special Construction to provide protected facilities, the unprotected OC-192 ring will be provided. The SONET Assurance Warranty states that if any unavailability caused by the Telephone Company is experienced and reported by a customer, the Telephone Company will not rebate the service monthly recurring charge.

(C) Responsibility of The Telephone Company

The Telephone Company will provision and maintain OC-192 Dedicated SONET Ring Service for the customer up to and including the Network Interface (NI).

(D) Rights of The Telephone Company

The Telephone Company will not provision OC-192 Dedicated SONET Ring Service if it has reasonably determined that (a) it is not technically feasible over existing facilities, or (b) it will cause interference problems within The Telephone Company's network or other facilities.

(E) Responsibility of Customer

The customer is responsible for providing compatible customer provided equipment (CPE) to be used for connection to OC-192 Dedicated SONET Ring Service.

(N)

ACCESS SERVICE

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

27.2 Technical Specifications

Technical specifications for OC-192 Dedicated SONET Ring Service are listed in the following Telephone Company technical publications:

(1) AM TR-TMO-000101 Ameritech Digital Service Transmission Parameters for Performance

(2) AM TR-NIS-000111 Ameritech OC-3, OC-12, OC-48 and OC-192 Service Interface Specifications

(3) TP 76839 SONET Transmission Requirements Performance and Interface Specification

27.3 Rate Regulations

(A) Rate Elements

(1) Nodes

The ring will provide connectivity to multiple customer designated locations (nodes). However, a ring must have a minimum of two nodes. At least one node must be a Telephone Company CO node. A maximum of 16 nodes, including regenerators, will be allowed per ring. The Telephone Company reserves the right to determine the order of the nodes on the ring(1).

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

If a customer collocates two customer premises nodes of the same speed, on the same dedicated ring, on the same premises, the additional node will be billed as shown in 27.4, following. This option does not guarantee diversity between these two collocated nodes and the rest of the ring.

The customer will be billed time and material, as set forth in Section 13, for any additional charges incurred by the Telephone Company in locating Telephone Company equipment at the customer premises.

(1) A ring node providing an OC-48 connection to a collocation cage can be considered a customer premise node.

(N)

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

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 1 Gbps Ethernet, OC-48, OC-48c, OC-12, OC-12c, OC-3, OC-3c, or DS3 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.

(3) Ports

Ports provide access to the ring and to lower speed channels (DS3, 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. (N)

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

27.3 Rate Regulations (Cont'd)

(A) Rate Elements (Cont'd)

(3) Ports (Cont'd)

Accepted interfaces are as follows:

OC-192 Node	
DS3 OC-3 Ports OC-12 Ports OC-48 Ports OC-192 Ports	1 Gbps (STS-3c) Ethernet Ports 1 Gbps (STS-12c) Ethernet Ports 1 Gbps (STS-24c) Ethernet Ports

OC-3, OC-3c, OC-12, OC-12c, OC-48 and OC-48c ports may be ordered at CO nodes. Both are available for Service-to-Service Through Connect with Broadband Circuit Service (BCS)* or Optical Carrier Network Point-to-Point Service as set forth in Section 21.

(4) Mileage

Mileage is charged as specified in Section 7.2.1(B). Fractions of a mile are rounded up to the whole mile for rate calculations. 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) Ring Regenerator

Regenerators provide essential detection and retransmission of the SONET Optical 9.953 Gbps signal 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. Regenerators will be located exclusively in Telephone Company COs, and do not allow ports to access customer service connections.

*Effective, January 11, 2002, BCS will no longer be available to customers. Grandfathered BCS Customers will maintain their existing service arrangement until their contract expires unless they choose to convert to another service. No changes to existing BCS service arrangements will be permitted, nor will any renewals be allowed. (N)

(N)

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

27.3 Rate Regulations (Cont'd)

(B) Dedicated Ring Connection Capacity

Maximum transport capacity of OC-192 Dedicated SONET Ring Service is characterized by the total quantity of individual port-to-port connections allowed between all nodes on the ring.

For OC-192 Dedicated SONET Ring Service, the maximum ring capacity between adjacent nodes is not to exceed 96 STS-1 equivalents.

OC-192 Dedicated SONET Ring Service will provide capability for node-to-node connection of STS-1 or STS-3c channels using OC-3, OC-3c, OC-12, OC-12c, OC-48, OC-48c, or 1 Gbps Ethernet ports on the OC-192 ring.

OC-192 Dedicated SONET Ring Service will provide capability for node-to-node connections of STS-12c channels using OC-12, OC-12c, OC-48, OC-48c or 1 Gbps Ethernet ports on the OC-192 ring.

OC-192 Dedicated SONET Ring Service will provide capability for node-to-node connections of STS-48c channels using OC-48 or OC-48c ports on the OC-192 ring.

(N)

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(N)

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

27.3 Rate Regulations (Cont'd)

(C) Term Pricing Plan

(1) General Description

OC-192 Dedicated SONET Rings are available for either three or five year Term Pricing Plan (TPP) periods. Monthly recurring charges apply for the nodes, ports and mileage.

(2) Nonrecurring Charges

Nonrecurring Charges, including the Administrative Charge as set forth in 27.4, following, will apply for those arrangements ordered under the OC-192 Dedicated Ring TPP.

(3) Rate Flow Through

Any decreases in recurring tariff rates will be passed on to customers who participate in the TPP. The Telephone Company will notify customers participating in the TPP when monthly rates are decreased.

Should the Telephone Company increase its rates during the TPP period, the customer will pay the increased rates as long as the increase does not exceed the original tariffed rate in effect at the time the customer established service under the TPP.

(4) Subsequent Activity on the Ring

If new rate elements, as described in Section 30.3(A), are added after the initial installation of the dedicated ring, the new rate element will carry the same TPP rate as the initial ring. All new rate element's terms will be independent of the term of the initial ring. If a new rate element is added during the last 12 months or less of a TPP, the customer will be billed the initial TPP ring rate for a minimum period of 12 months. If the ring is disconnected before the new rate element's term expires, termination liability for that new rate element will apply.

(5) TPP Renegotiation

The customer may choose to terminate an existing TPP at any time prior to the end of the three or five year period, and negotiate a new TPP without termination liability, provided the new TPP meets the following requirements:

(a) The minimum period for the new TPP must be greater than the remaining period currently in effect, and

(b) The renegotiated TPP will be based on the current rates.

(N)

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

27.3 Rate Regulations (Cont'd)

(C) Term Pricing Plan (Cont'd)

(5) TPP Renegotiation (Cont'd)

When the customer converts to a new TPP, actual time in service for the original TPP will be applied. However, no credits or refunds will apply for the billing of actual time in service for the previous TPP.

(6) Renewal

The customer must provide the Telephone Company with a written notice of intent to renew a TPP no later than 60 days prior to its expiration.

The customer will continue to be billed at the current TPP rates.

If the customer does not renew the TPP, or does not notify the Telephone Company of its intent to renew the TPP, the customer's service will convert to the Monthly Extension rate as set forth in 27.4, following, until the customer cancels or renews the service with a new TPP term. Monthly Extension Rates are not available to new subscriptions. (N)

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

27.3 Rate Regulations (Cont'd)

(C) Term Pricing Plan (Cont'd)

(7) Termination of Service

If a customer cancels a service order or terminates services before the completion of the term for any reason whatsoever other than a service interruption, the customer agrees to pay to the Telephone Company termination liability charges, which are defined below. These charges shall become due and owing as of the effective date of the cancellation or termination, and are payable within 30 days of the invoice date, subject to interest penalty on the unpaid balance.

Customer's termination liability for cancellation of service shall be equal to:

(a) all waived and/or unpaid nonrecurring charges, plus

(b) 50% of all recurring charges for the balance of the customer's team.

(D) Moves

(1) Moves within a Customer's Premises

A move involves a change in the physical location of the Point of Termination on the customer's premises. Such moves will be treated as an extension of OC-192 Ring facilities. Extension of OC-192 Ring facilities will be provided, at the customer's request, on a time-sensitive charge basis. The labor rates that apply are set forth in Section 13, preceding (Rates and Charges). There will be no change in the TPP term requirements.

(N)

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

27.3 Rate Regulations (Cont'd)

(D) Moves (Cont'd)

(2) Moves of OC-192 Dedicated Ring Nodes

Moves of OC-192 Dedicated Ring nodes will be provided, at the customer's request, on a time-sensitive charge basis. The charge will not exceed the Nonrecurring Charge for subsequent installation, as specified in Section 27.4(A), for the specific OC-192 Dedicated Ring node being modified. The labor rates that apply are set forth in Section 13, preceding (Rates and Charges). Where facilities are not available, Special Construction charges may apply. No change in billing period is required. Termination charges will not apply to moves of OC-192 Dedicated Ring nodes.

(E) Upgrade to OC-192 Dedicated SONET Ring Service from lower speed services

Customers with three or five year Term Payment Plans (TPP) may at any time upgrade from OC-48 to OC-192 Dedicated SONET Ring Service, without incurring the Termination Liability charge, providing the following criteria are met:

(1) The customer subscribes to a Term Pricing Plan period that is equal to, or greater than, 36 months;
(2) The expiration date for the new Term Pricing Plan period is beyond the end of the original TPP period;
(3) No lapse in service occurs;
(4) Nonrecurring Charges will apply, when applicable;
(5) The monthly rates for the new service(s) will be those rates in effect at the time the new service(s) is/are installed;
(6) The new service is provided between the same customer locations and with the same customer of record as the disconnected service;
(7) The original location of all nodes must be included in the new service.
(8) Billed recurring revenue for each month of the first eighteen months of the new service is equal to or greater than the billed recurring revenue for the last month of the service(s)being converted;
(9) Customer agrees not to convert the new service TPP to a pricing plan with a lower rate for the period of eighteen months after the conversion; and
(10) Spare facilities and equipment must be available or a nonrecurring upfront payment, which is a Special Construction Charge, may apply.

(F) Migration onto OC-192 Dedicated SONET Ring Service

Billing for the OC-192 Dedicated SONET Ring service will commence upon service order completion for all rate elements. Billing for the existing OC-48 Ring service will continue until the migration of all circuit services on to the new OC-192 Ring is complete, at which time the OC-48 Ring service may be disconnected.

(N)

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

27.3 Rate Regulations (Cont'd)

(G) Shared Network Arrangement

Shared Network Arrangement is a service offering that enables a customer ("Service User") to connect subtending services to an OC-192 Dedicated SONET Ring service of another customer (the "Host Subscriber"), with the Telephone Company maintaining separate billing for each. Each customer will be billed for those rate elements associated with their own portion of the service configuration. The Host Subscriber will be responsible for all OC-192 Dedicated SONET Ring Service rate elements, for example, node, ports and mileage, etc. Under no circumstances will the rates or charges for individual rate elements be split.

This offering is limited to service configurations where a Service User orders a subtending service dropped from a Host Subscriber's OC-192 Dedicated SONET Ring wire center node. Under Shared Network Arrangement, the Telephone Company may share record information with the Host Subscriber pertaining to the services of other users of the shared network. Such disclosure will be under the sole discretion of the Telephone Company and is necessary to perform billing reconciliation and/or other functions required in connection with maintaining account records. (N)

ACCESS SERVICE

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

27.3 Rate Regulations (Cont'd)

(H) Optical-to-Electrical DS3 Add/Drop Capability

This option allows an electrical DS3 to be derived from an optical OC-3, OC-12, OC-48 or OC-192 shelf. The manner in which a DS3 is dropped will be designed based on forecast and equipment hierarchy. DS1's are not available with OC-192 Optical-to-Electrical Add/Drop Capability; however, a customer may purchase multiplexing at the CO(1). Customers requiring multiplexing at a customer premises node must provide this functionality, and it must be compatible with Telephone Company equipment.

(1) Central Office Multiplexing – DS3 to DS1 multiplexing provides an arrangement in a Telephone Company Hub Central Office that converts a DS3 signal to 28 DS1 channels using digital time division multiplexing. When ordering multiplexing, the customer will select the designated hub(s) and subtending wire center(s) from the National Exchange Carriers Association, Inc. Tariff F.C.C. No. 4 Subtending Wire Center section(s) and Wire Center Sections(s). A description of the types of multiplexing hubs are as set forth in 7.2.6.

(N)

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(N)

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
Additional	GP5AA	17,800.00	13,000.00	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
Central Office	NRBSV	325.00

(B) Add/Drop Capability

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

(1) The OC192 Add/Drop Capability charge is applied to all nodes, excluding regenerators.

(N)

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

27.4 Rates and Charges (Cont'd)

(C) Ports

Description	USOC	3 Year	5 Year	Monthly Extension
- Per Port				
DS3	S9QGX	$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
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

Description	USOC	Nonrecurring Charge
Nonrecurring charges for subsequent installation		
- Per port type		
DS3	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
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

(D) Mileage

Description	USOC	3 Year	5 Year	Monthly Extension
Per mile between nodes[1]	1YAZX	$260.00	$210.00	$330.00

[1] A two-node ring configuration has a two-mile minimum, one mile from the CO node to the customer premise node, and one mile from the customer premise node to the CO node.

(N)

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

27.4 Rates and Charges (Cont'd)

(E) Ring Regenerator

	USOC	3 Year	5 Year	Monthly Extension
Each (as required)	RGY	$9,250.00	$7,000.00	$13,875.00

Description	USOC	Nonrecurring Charge
Nonrecurring charges for subsequent installation of Regenerator - Each (as required)	NRBS5	$270.00

(F) Shared Network Arrangement

Description	USOC	Nonrecurring Charge
Processing Charge Per Service Order	NRMCL	$30.00

(G) Installation and Administrative Charges

Description	USOC	Nonrecurring Charge
Administrative Charge per Service Order	ORCMX	$60.00
Design and Central Office Connection Charge, per Initial Ring	NRMCK	2,250.00(1)

(1) Per Ring Charge for Dedicated Ring Service is applied once per original ring installed. (N)

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

27.4 Rates and Charges (Cont'd)

(H) Optical-to-Electrical Add/Drop Capability

Description	USOC	36 Months	60 Months	Monthly Extension
Per Arrangement[1] - per node) not to exceed any configurable combination of ports beyond 192 STS-1 equivalents	MXJGX	$2,500.00	$2,000.00	$3,500.00

(N)

[1] When electrical drops are required, the Optical-to-Electrical Add/Drop Capability charge is applied in addition to the Add/Drop Capability charge set forth in Section 27.4(B), preceding. (N) (N) (N)