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26. [1]   (D)

[1]   Material in this section has been de-tariffed as required by the
      Commission upon use of the forbearance relief pursuant to FCC
      Memorandum Opinion and Order No. FCC 07-180 released October 12, 2007.
      Terms and Conditions associated with de-tariffed services are available
      at www.att.com/guidebook.

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[1] See footnote (1) on page 26-1

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26. Dedicated SONET Ring Service (Cont'd)

26.3 Rate Regulations (Cont'd)

(A) Rate Elements (Cont'd)

(3) Ports (Cont'd)

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)
EC-1 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	X (Max. 3/Node)	X (Max. 12/Node)	X (Max. 48/Node)
1 Gbps(STS-3c)Ethernet Port	N/A	X (Max. 4/Node)	X (Max. 16Node)
1 Gbps(STS-12c)Ethernet Port	N/A	N/A	X (Max. 4/Node)
1 Gbps(STS-24c)Ethernt Port	N/A	N/A	X (Max. 2/Node)
10/100 BaseT Ethernet Port			
VT1.5-1v (1.6 Mbps)	X (Max. 84/Node)	X (Max. 84/OC-3)	X (Max. 84/OC-3)
VT1.5-2v (3.2 Mbps)	X (Max. 42/Node)	X (Max. 42/OC-3)	X (Max. 42/OC-3)
VT1.5-3v (4.8 Mbps)	X (Max. 28/Node)	X (Max. 28/OC-3)	X (Max. 28/OC-3)
VT1.5-4v (6.4 Mbps)	X (Max. 21/Node)	X (Max. 21/OC-3)	X (Max. 21/OC-3)
VT1.5-5v (8.0 Mbps)	X (Max. 16/Node)	X (Max. 16/OC-3)	X (Max. 16/OC-3)
VT1.5-6v (9.6 Mbps)	X (Mac. 14/Node)	X (Max. 14/OC-3)	X (Max. 14/OC-3)
VT1.5-7v (11.2 Mbps)	X (Max. 12/Node)	X (Max. 12/OC-3)	X (Max. 12/OC-3)
VT1.5-8v (12.40 Mbps)	X (Max. 10/Node)	X (Max. 10/OC-3)	X (Max. 10/OC-3)
VT1.5-10v (16.0 Mbps)	X (Max. 8/Node)	X (Max. 8/OC-3)	X (Max. 8/OC-3)
VT1.5-13v (20.8 Mbps)	X (Max. 6/Node)	X (Max. 6/OC-3)	X (Max. 6/OC-3)
STS-1-1v (48.38 Mbps)	X (Max. 3/Node)	X (Max. 12/Node)	X (Max. 48/Node)
STS-1-2v (96.77 Mbps)	X (Max. 1/Node)	X (Max. 6/Node)	X (Max. 24/Node)
1000 BaseSX/LX Ethernet Port			
STS-1-1v (48.38 Mbps)	X (Max. 3/Node)	X (Max. 12/Node)	X (Max. 48/Node)
STS-1-2v (96.77 Mbps)	X (Max. 1/Node)	X (Max. 6/Node)	X (Max. 24/Node)
STS-1-3v (145.15 Mbps)	X (Max. 1/Node)	X (Max. 4/Node)	X (Max. 16/Node)
STS-1-4v (193.54 Mbps)	N/A	X (Max. 3/Node)	X (Max. 12/Node)
STS-1-5v (241.92 Mbps)	N/A	X (Max. 2/Node)	X (Max. 9/Node)
STS-1-6v (290.30 Mbps)	N/A	X (Max. 2/Node)	X (Max. 8/Node)
STS 1-9v (435.46 Mbps)	N/A	X (Max. 1/Node)	X (Max. 5/Node)
STS-1-12v (580.61 Mbps)	N/A	X (Max. 1/Node)	X (Max. 4/Node)
STS-1-21v (1016.06 Mbps)	N/A	N/A	X (Max. 2/Node)
STS-3c-1v (149.76 Mbps)	N/A	X (Max. 4/Node)	X (Max. 16/Node)
STS-3c-2v (299.52 Mbps)	N/A	X (Max. 2/Node)	X (Max. 8/Node)
STS-3c-3v (449.28 Mbps)	N/A	X (Max. 1/Node)	X (Max. 5/Node)
STS-3c-4v (599.04 Mbps)	N/A	X (Max. 1/Node)	X (Max. 4/Node)
STS-3c-7v (1048.32 Mbps)	N/A	N/A	X (Max. 2/Node)

[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.

Certain material previously appearing on this page now appears on Original Page 26-7.1.

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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)   (N)

                    By using the existing OC-3 or OC-12 Service and cross-   (M)
                    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 (M)
                    DS3 or EC-1 port.

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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)

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. Only Single-Mode Fiber is available in the Central Office. The EoS line rates, defined in Section 26.4(C), are based on the theoretical SONET payload line rates as per GR-253-CORE, Issue 4. These values are not representative of the true Ethernet Transport capacity of the EoS circuit.   (C)

    (C)

Additional features are provided with the Ethernet over SONET (EoS) capability: (N)

Virtual Concatenation (VCAT) provides the ability and flexibility to size the customer's bandwidth, sub-rate VT1.5 and super-rate STS-1 and 3c service payloads, based on their traffic requirements. For transport of payloads that do not fit efficiently into the standard set of VT1.5, STS-1 and STS-Nc payload envelopes, virtual concatenation can be used.

    (N)

         (8) Electrical Connection – Level 1 (EC-1)

EC-1 is an electrical interface that can transport up to 51.84 Mb of bandwidth in a concatenated format. The EC-1 port is available on an OC-3, OC-12 and OC-48 ring. For the above connection capacity charts, the quantity of EC-1 ports is equivalent to the connection capacity of a DS-3.

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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
EOS Ports Virtual Concatenation(VCAT)[1] - per multiplexing function				
10/100 BaseT Ethernet Port	S5P1X	250.00	180.00	350.00
Bandwidth options for port[2][4][5]				
VT1.5-1v (1.6 Mbps)				
VT1.5-2v (3.2 Mbps)				
VT1.5-3v (4.8 Mbps)				
VT1.5-4v (6.4 Mbps)				
VT1.5-5v (8.0 Mbps)				
VT1.5-6v (9.6 Mbps)				
VT1.5-7v (11.2 Mbps)				
VT1.5-8v (12.4 Mbps)				
VT1.5-10v (16.0 Mbps)				
VT1.5-13v (20.8 Mbps)				
STS-1-1v (48.38 Mbps)				
STS-1-2v (96.77 Mbps)				
1000 BaseSX Ethernet Port	S5P2X	425.00	350.00	500.00
1000 BaseLX Ethernet Port	S5P3X	425.00	350.00	500.00
Bandwidth options for port[3][4][5]				
STS-1-1v (48.38 Mbps)				
STS-1-2v (96.77 Mbps)				
STS-1-3v (145.15 Mbps)				
STS-1-4v (193.54 Mbps)				
STS-1-5v (241.92 Mbps)				
STS-1-6v (290.30 Mbps)				
STS-1-9v (435.46 Mbps)				
STS-1-12v (580.61 Mbps)				
STS-1-21v (1016.06 Mbps)				
STS-3c-1v (149.76 Mbps)				
STS-3c-2v (299.52 Mbps)				
STS-3c-3v (449.28 Mbps)				
STS-3c-4v (599.04 Mbps)				
STS-3C-7v (1048.32 Mbps)				

[1] Nonrecurring charges apply to EoS Ports, Virtual Concatenation (VCAT). See EoS Port charges on Page 26-23, for applicable nonrecurring charges.
[2] Actual payload capacity for selected bandwidth.
[3] Actual payload capacity for selected bandwidth applies to both SX and LX.
[4] Only Single-Mode Fiber is available in the Central Office.
[5] The EoS line rates defined herein are based on the theoretical SONET payload line rates as per GR-253-CORE, Issue 4. These values are not representative of the true Ethernet transport capacity of the EoS circuit.   (N)

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26. Dedicated SONET Ring Service (Cont'd)

    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 DS3 Transmux Re-Map[1]	RN7TX	250.00	200.00	300.00
Per EC-1 Re-Map Port				
OC-3 Ring	S9N6X	120.00	110.00	150.00
OC-12 Ring	S9N8X	120.00	110.00	150.00
OC-48 Ring	S9N9X	120.00	110.00	150.00
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
EC-1	NRBSX	385.00
DS3	NRBSX	385.00
DS3 w/Transmux	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
10/100 BaseT Ethernet Port	NRM63	385.00	(N
1000 BaseLX Ethernet Port	NRM65	425.00	(N
1000 BaseSX Ethernet Port	NRM66	425.00	(N

[1] Available for rings established on or after 10/17/06.

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