

ACCESS SERVICE

21. SNET SONET Network Service*

(C)

21.1 Service Description

SNET SONET Network Service (SSNS) provides dedicated transport utilizing Synchronous Optical Network (SONET) transmission standards. SSNS provides high capacity optical network capabilities to customers requiring network facilities at OC3/OC3c (155.52 Mbps) and OC12 (622.08 Mbps) levels. SSNS network elements are provided between two customer premises or between a customer premises and an SNET Central Office Node. At SNET Central Office Nodes, SSNS network elements may be connected to other SSNS network elements or may be connected to Special Access and Switched Access DS3 and DS1 services. Each SNET SONET Network Service must include at least one SNET Node.

Each SNET SONET Network Service will be configured with one working and one protect facility which provides facility redundancy to protect the customer's service. Should a failure occur, the SONET technology will automatically switch the customer's transmission to the dedicated protect facility within 50 milliseconds. SSNS is offered with the Premium Service Maintenance Guarantee which assures uninterrupted service as specified in 2.12.2H and 2.12.3.

SSNS network elements consist of SONET Local Channels, Central Office Nodes, Central Office Ports, Premises Nodes, Premises Ports and Channel Mileage. The customer has the option of providing the node at the customer premises. When the customer provides the premises node equipment, it must be compatible with SNET network node equipment and must comply with standards specified in GR-253-CORE. SSNS is offered where facilities exist. If it is necessary to construct facilities to satisfy service requests at other locations, it may be provided pursuant to SNET's Special Construction Tariff F.C.C. No. 35.

21.2 Technical Information

SSNS technical specifications will conform to standards contained in GR-253-CORE.

<u>Service Designator</u>	<u>Network Channel Code</u>	<u>Description (bandwidth)</u>
OC12	OD	622.08 Mbps
OC3/OC3c	OB	155.52 Mbps
STS1	JI	51.84 Mbps

Network Channel Codes and Network Channel Interface Codes are set forth in Technical Reference SR-STIS-000307.

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21.3 Rate Elements

- A. SONET Local Channel - connects a customer premises to an SNET serving wire center at SONET OC3/OC3c and OC12 signal levels.
- B. Channel Mileage - provides transmission facilities between two serving wire centers or between a serving wire center and an SNET Central Office Node at OC3/OC3c and OC12 capacity. Channel Mileage consists of two rates: a monthly fixed rate and a monthly per mile rate.

C. Features & Functions

Central Office (C.O.) Node

OC12 C.O. Node - provides a SONET OC12 terminal function within an SNET central office which includes add-drop multiplexing (ADM) capability to derive lower capacity ports. The node function can only drop signals that have been mapped within the payload. A port charge is assessed in addition to the node function per service derived.

OC3/OC3c C.O. Node - provides a SONET OC3/OC3c terminal function within an SNET central office which includes add-drop multiplexing (ADM) capability to derive lower capacity ports. The node function can only drop signals that have been mapped within the payload. A port charge is assessed in addition to the node function per service derived.

C.O. Node Ports

C.O. Node ports provide an interface to derive lower capacity services at a C.O. Node. Ports are available at the following speeds:

- OC3/OC3c
- STS1
- DS3
- DS1

Type and quantities of ports available per node are only limited by the type of node selected.

Premises Node

OC12 Premises Node - provides the capability to derive lower capacity services for delivery at the customer's premises. The node function can only drop signals that have been mapped within the payload. SNET will place node equipment in common space, under the control of SNET, at or adjacent to the customer's premises. A port charge is assessed in addition to the node function per service delivered.

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21.3 Rate Elements (Cont'd)

Premises Node (Cont'd)

OC3/OC3c Premises Node - provides the capability to derive lower capacity services for delivery at the customer's premises. The node function can only drop signals that have been mapped within the payload. SNET will place node equipment in common space, under the control of SNET, at or adjacent to the customer's premises. A port charge is assessed in addition to the node function per service delivered.

The customer is responsible to provide space and power for Premises Node equipment. Any charges assessed to SNET for space and power to place Premises Node equipment will be billed to the customer.

Premises Node Ports

Premises Node ports provide an interface to derive lower capacity services at a Premises Node. Ports are available at the following speeds:

- OC3/OC3c
- STS1
- DS3
- DS1

Type and quantities of ports available per node are only limited by the type of node selected.

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21. SNET SONET Network Service* (Cont'd)

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21.3 Rate Elements (Cont'd)

C. Collocation Transport

Collocation Transport provides for the transmission facilities between collocation arrangements located in Telephone Company Central Offices.

There are two components of Collocation Transport.

(1) Inter/Intra Office Fixed

Inter/Intra office fixed rate element provides for the electronic equipment required to terminate a channel between two collocation arrangements located either in the same central office (intra) or in two separate central offices (inter).

(2) Inter Office Per Mile

The Per Mile charge provides for the electronic equipment and facilities necessary to provide the interoffice transport between two collocation arrangements.

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21.1.4 Rates and Charges

	<u>Special Access</u>	<u>Switched Access</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
A. <u>SONET Local Channel</u>	DCHSX	DCHTX		
- OC3/OC3			\$ 950.00	\$0.00
- OC12			\$2400.00	\$0.00
B. <u>Channel Mileage</u>	1A5BS <u>Mileage Bands</u>	1Y6VS	<u>Monthly Fixed</u>	<u>Monthly Per Mile</u>
- OC3/OC3	0 Over 0		None \$1050.00	None \$165.00
- OC12	0 Over 0		None \$2000.00	None \$425.00
C. <u>Features & Functions</u>				
<u>Central Office (C.O.) Node</u>	FC5	S3N	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
- OC3/OC3			\$1000.00	None
- OC12			\$2300.00	None
<u>C.O. Node Ports</u>				
-OC3/OC3	FC6CX	SCPCX	\$ 350.00	None
-STS1	FC6LX	SCPLX	\$ 200.00	None
-DS3	FC6BX	SCPBX	\$ 100.00	None
-DS1	FC6AX	SCPAX	\$ 40.00	None
<u>Premises Node</u>	FP5	R6N		
- OC3/OC3			\$1000.00	None
- OC12			\$2300.00	None
<u>Premises Node Ports</u>				
-OC3/OC3	FP6CX	RKPCX	\$ 350.00	None
-STS1	FP6LX	RKPLX	\$ 200.00	None
-DS3	FP6BX	RKPBX	\$ 100.00	None
-DS1	FP6AX	RKPAX	\$ 40.00	None

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21.1.4 Rate and Charges (Cont'd)

D. Collocation Transport

	<u>USOC</u>	<u>Monthly Rate</u>		<u>Nonrecurring Charges</u>
		<u>Fixed</u>	<u>Per Mile</u>	
OC3/3c	(1H48S)	\$1,050.00	\$165.00	
	(NRMCA)			\$0

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