DEDICATED SONET RING PORTS

A. AVAILABILITY OF SERVICE (N)

Company provided dedicated SONET ring service is provided where technically and operationally feasible as determined by the Company and provides a Customer with a dedicated high capacity customized network. The Service is designed in a diversely routed ring architecture or topology that assures survivability. The ring architecture allows for point-to-point optical and high capacity special access services of different bandwidths to be multiplexed on or off of the ring.

B. GENERAL

1. The following ports are accepted speeds on nodes that are not enhanced.

Nodes:	OC3	OC12/3	OC12	OC48	OC192
DS1 Ports	X	X			
DS3 Ports	X	X	X	X	X
STS1 Ports	X	X	X	X	X

2. The type of ports that are supported on an enhanced node may limit the maximum number of ports that are provided on that node. Upon installation of a new ring, the Customer must provide the Company with an initial port requirement and a forecast of future port requirements on that node which the Company will utilize when engineering the port configuration for that node.

Enhanced Nodes =	OC3	OC12	OC48	OC192
DS1 Ports	X	X	X	X
DS3 Ports	X	X	X	X
DS3 Transmux Ports	X	X	X	X
STS1 Ports	X	X	X	X

3. Ports may be ordered in a symmetrical arrangement (e.g., DS3 Port to DS3 Port), an asymmetrical arrangement (e.g., OC12 Port to DS3 Port) or in certain transmuxing arrangements as specified preceding. Ports are not provided at mutually agreed upon locations where a high speed (pass-through) interface is utilized.

4. Signals transported over DSR will be mapped as follows:
   - DS1 mapped as VT1.5
   - DS3 mapped as STS1
   - STS1 mapped as STS1

5. Asymmetrical ports allow lower level services to be added to, and dropped from, DSR using ports with different transmission rates. For example, a DS1 channel can be added to the ring via a DS3 port and dropped from the ring via a DS1 port. These lower level services may originate and/or terminate at locations that are on or off of the DSR. (N)

DEDICATED SONET RING PORTS

B. GENERAL (Cont'd) (N)

6. Asymmetrical ports are available in the following combinations:

Ring Capacity	APF Rate	Asymmetrical Port Combinations
OC3 DSR Ring	N/A	DS3 Transmux - DS1*
	STS-1	STS1 - DS3
		STS1 - DS1*
OC12 DSR Ring	N/A	STS1 - DS3
		DS3 Transmux - DS1*
	OC3	OC3 - STS1
		OC3 – DS3
		OC3 - DS1*
OC48 DSR Ring	N/A	STS1 - DS3
		DS3 Transmux - DS1*
	OC12	OC12 - STS1
		OC12 - DS3
		OC12 - DS1*
	OC3	OC3 - STS1
		OC3 - DS3
		OC3 - DS1*
OC192 DSR Ring	N/A	STS1 - DS3
		DS3 Transmux - DS1*
	OC48	OC48 – STS1
		OC48 - DS3
		OC48 – DS1*
	OC12	OC12 – STS1
		OC12 - DS3
		OC12 – DS1*
	OC3	OC3 – STS1
		OC3 - DS3
		OC3 – DS1*

* Requires enhanced node. For Ethernet (GigE) port options, the associated Ethernet Service must be SONET mapped. (N)

DEDICATED SONET RING PORTS

C. TRANSMUX PORTS (N)

1. The DS3 Transmux Port performs a DS3 to DS1 conversion at an Enhanced DSR node. The DS3 to DS1 conversions allows a single DSR DS3 Transmux port to be a facility associated with up to twenty-eight (28) VT1.5 mapped DSR DS1 ports. Transmuxing is only available on an enhanced node and where suitable facilities and equipment exist to provide the DS3 Transmux Port.

2. DS3 Transmux Ports utilize a DS3 Transmux Facility to which VT1.5 mapped DSR DS1 ports are associated. Such facility will be provisioned upon ordering the associated DS3 Transmux port.

3. When transmuxing arrangements are ordered in symmetrical or asymmetrical port combinations, the following conditions apply:
   - A DS1 port associated with a DS3 Transmux port and facility may not coexist as a separate DS1 port with the same DSR node.
   - DS3 Transmux ports are available on enhanced nodes only.
   - An end-to-end DS1 service provided over DSR may not be associated with more than one DS3 Transmux port or DS3 Transmux Facility.
   - DS3 Transmux ports are available at premises nodes or at wire center nodes. When a DS3 Transmux port is utilized on an enhanced node located in a Company wire center, such port must be connected to DS3 High Capacity Service as set forth in Part E.
   - The higher speed port of an asymmetrical port combination will be mapped based on the speed of the connecting service and port.

D. CONNECTION TO OTHER SERVICES

A Special Access DSR port may connect to an equal speed IntelliLight Broadband Transport (**IBT**) Service, an equal speed IBT multiplexing node or an equal speed port of a multiplexed IBT service.

E. APPLICATION OF RATES AND CHARGES

1. All monthly recurring rate elements for DSRs are available for 3, 5, and 7-Year commitment periods. DSR ports and asymmetrical port facilities are also available on monthly terms. Ports* added subsequent to the initial installation may be coterminous to the expiration date of the DSR provided the addition is prior to the 21st month for a 3-year plan, prior to the 36th month for a 5-year plan, or prior to the 50th month for a 7-Year plan. Nodes, port nodes, optional features, subtending node facilities, and asymmetrical port facilities added after the aforementioned periods require extending the commitment period for an additional one year for a 3-year plan, an additional 2 years for a 5-year plan, or an additional 3 years for a 7-Year plan. However, ports and asymmetrical port facilities in a Month-to-Month plan may be added at any time.

2. Once a term period expires, the prevailing monthly rates of the current plan will continue until the Customer cancels service or requests a new term plan. (N)

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DEDICATED SONET RING PORTS

E. APPLICATION OF RATES AND CHARGES (Cont'd) (N)

3. Nonrecurring Charges

a. First and Additional Nonrecurring Charges for Ports

- The First Nonrecurring Charge applies to the first of each port type and speed installed at a node. The Additional Nonrecurring Charge applies for each additional port of the same type and same speed added at the same node on the same order. For example, if a Customer places an order for ten (10) GigE3 Ports at the same OC48 node, one First Nonrecurring Charge and nine Additional Nonrecurring Charges will apply for the GigE3 Ports. With the exception of Storage Interface Ports, the charge will vary based on whether the installation is in connection with the initial installation of the DSR Service or a subsequent installation of ports.
- With the exception of Storage Interface Ports, nonrecurring charges for DSR ports purchased on a month-to-month plan at the initial installation of DSR Service apply on a first and additional basis.
- With the exception of Storage Interface Ports, nonrecurring charges for DSR ports purchased under a term plan apply on a first and additional basis for each DSR port that is ordered subsequent to the initial installation of DSR Service.
- For Storage Interface Ports purchased on a month-to-month basis, nonrecurring charges apply to the installation of ports on a first and additional basis regardless of whether the installation of such Storage Interface Port is in connection with the initial
- or subsequent installation of DSR.
- Changes in Month-to-Month billed ports or changes in term plan billed port nodes, are treated as disconnects and subsequent installations for which subsequent nonrecurring charges apply.

b. Nonrecurring charges for DSR nodes apply to all nodes and port nodes installed subsequent to the initial installation of DSR.

c. A Channel Mapping nonrecurring charge applies for each channel which the Company must map over a partial ring. Channel mapping is only required on channels that originate at and terminate to devices that are not within the partial ring provided by the Company.

d. When a lower capacity service is dropped from a DSR Ring, the associated ports will be billed to the lower capacity service. Lower capacity services may not be dropped at locations utilizing a pass-through interface. However, a Channel Mapping Charge will apply for each lower capacity service that originates at and terminates to devices that are not within the partial ring provided by the Company. The Channel Mapping Charge is billed to the lower capacity service.

e. When a lower capacity service is provided between two (2) separate asymmetric port facilities (APF) on the same DSR, the Company must map the facility assignment on the first APF to the facility assignment on the second APF for which an Asymmetrical Port Mapping Nonrecurring Charge applies per lower capacity service mapped. (N)

DEDICATED SONET RING PORTS

F. TERMINATION LIABILITY (N)

1. Unless otherwise set forth in this Section E, termination liability applies when DSR Service is terminated prior to the end of the applicable commitment term. Termination liability is charged per monthly rate element on all nodes, port nodes, high speed (pass-through) interfaces, optional features, subtending node facilities or asymmetrical port facilities, and ports (other than Month-to-Month billed ports for which the one month minimum service charge applies).

2. A separate termination liability charge is assessed for each rate element associated with the disconnected DSR Service.

3. DSR Service may be canceled without termination liability when cancellation of the DSR Service occurs within thirty (30) days of the effective date of a Company initiated rate increase of eight percent (8%) or more on any rate applicable to the DSR Service.

4. Termination liability will not apply on any DSR Service if a Customer changes to a longer term commitment period for such Service. (N)