verizon

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January 30, 2009

Ms. Luly E. Massaro, Commission Clerk
Rhode Island Public Utilities Commission
89 Jefferson Boulevard
Warwick, Rhode Island 02888

Dear Ms. Massaro:

We are filing, herewith, for effect March 2, 2009, tariff material consisting of:

RI PUC No. 15

Part/Section	Revision of Page(s)	Original of Page(s)
TOC	66	N/A
D/1	26, 27, 28, 29, 30, 30.1, 30.2, and 30.3	25.1, 25.2, 27.1, 29.1, and 29.2
M/4	13, 14, 15, 16, 17, 18, 19, 20, 21, 22, and 22.1	15.1

In this filing, Verizon Rhode Island ("Verizon RI") introduces new optional features to Enhanced Dedicated SONET Service ("EDSS"), which is an optical high-capacity service that is provided using SONET-based technology. SONET is a standard for the transmission of high-capacity services over optical facilities. The primary purpose of this filing is to meet the growing demands of large business customers and Internet Service Providers ("ISPs") that require higher bandwidth services to meet their communications needs. The proposed features provide increased flexibility to EDSS customers and offer opportunities for cost saving arrangements. The attached Tariff Filing Support Package details the proposed features.

Verizon certifies that the rates for the optional features for EDSS are not less than the Long-run Incremental Costs of providing the features.

If you have any questions regarding this filing, please contact Frances O'Neill-Cunha of my staff at 401 525-3560.

Enclosed are an original and nine copies of the tariff material. Please return a copy of this letter with your stamp of receipt.

Respectfully submitted,

Theresa L. O'Brien

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Attachments

Verizon Rhode Island

ENHANCED DEDICATED SONET SERVICE (EDSS)

Introduction of Optional Features

Tariff Filing Support Package

January 2009

Verizon Rhode Island

EDSS - Introduction of Optional Features

Tariff Filing Support Package

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Enhanced Dedicated SONET Service (EDSS)
Introduction of Optional Features

Section 1 – Purpose of Filing

In this filing, Verizon Rhode Island ("Verizon RI") introduces new optional features to Enhanced Dedicated SONET Service ("EDSS"), which is an optical high-capacity service that is provided using SONET-based technology. SONET is a standard for the transmission of high capacity services over optical facilities. The primary purpose of this filing is to meet the demands of large business customers and Internet Service Providers ("ISPs") that require higher bandwidth services to meet their ever-increasing communications requirements. SONET meets these demands via a fiber-based technology that allows customers to interconnect multiple IntraLATA locations.

The current Verizon RI EDSS offering, which was introduced on September 11, 2004, was modeled after Verizon's Intelli-Light Dedicated SONET Ring ("IDSR") approved by the Federal Communications Commission (FCC No.11) on December 29, 2001. The optional features proposed in this filing are being introduced in each Verizon jurisdiction where EDSS is available, thus providing a uniform EDSS offering for customers throughout the Verizon footprint.

The filing offers the following enhancements to EDSS: Subtending Rings, Subtending Nodes/Ports, Subtended Node Facility, Asymmetrical Ports, Storage Interface Ports and Customer Service Management-Level 3. These enhancements will offer the customer increased flexibility and the ability to build cost-effective network configurations.

The new optional features will be offered on a month-to-month basis and as term pricing plans of three, five and seven years as listed in *Section 5 - Rates and Charges*. The minimum service periods and termination liability currently in the EDSS portion of the tariff are applicable to the proposed options.

Section 2 – Service Description

The enhancements proposed in this filing are as follows:

1. Subtending Rings – Subtending Rings enable EDSS customers to interconnect two EDSS arrangements and exchange traffic between those two rings. It allows a customer to subtend same-speed or lower-speed rings off a designated main Dedicated SONET Ring ("DSR") using common nodes.

2. Subtending Nodes/Ports – Subtending Nodes are enhanced nodes, which subtend other enhanced nodes of higher speeds. For example, an OC12 enhanced node may subtend an OC192 enhanced node. Subtended nodes were created to allow customers to fully utilize the high speed nodes on their EDSS. This allows the customer to take advantage of all bandwidth available.

3. Subtended Node Facility – Subtended Node Facility provides the same circuit capability as Subtending Rings, but it can extend off-ring from a Central Office node to a different end-user/Interexchange Carrier location.

4. Asymmetrical Ports – Asymmetrical Ports allow lower level services to be added to and dropped from EDSSs 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 the EDSS.

5. Storage Interface Ports (FICON and Fibre Channel) – The FICON Storage Interface Port provides an optical transport channel for transmission of 1 Gigabit Per Seconds ("GBPS") Fibre Connection among mainframes, and storage devices on a single channel. The Fibre Channel Storage Interface Port provides an optical transport channel for transmission of 1 GBPS signals in a serial link among supercomputers, mainframes, workstations, desktop computers, storage devices, displays and other peripherals.

6. Customer Service Management–Level 3 – Customer Service Management Levels 1 and 2 are already tariffed. Level 1 support provides a network view of real-time detection and reporting of network alarm conditions within the customer's EDSS network. Level 2 support provides the same support provided in Level 1 along with the ability for the customer to generate basic network performance reports for the EDSS network. Level 3 support, proposed in this filing, provides the same support provided in Levels 1 and 2 along with the ability to reconfigure the end points of lower level services riding the EDSS ring.

Section 3 – Target Market

EDSS provides a SONET service that meets the IntraLATA needs of customers requiring point-to-point Gigabit Ethernet, DS1, DS3, and OC-n service that is delivered on a private dedicated network. The target market includes very large business customers and the ISP market. This tariff filing acknowledges the growing demand for SONET services to be used by customers exchanging large volumes of data. These customers are typically large, sophisticated telecommunications users that have a need to be permanently connected to multiple user locations such as in a campus environment or for corporations with a need to transport data among a variety of branch offices, clients, and data bases. The new optional features are designed to enhance the functionality of the existing SONET Ring offering to allow customers more control of their network.

Reducing network cost is a priority for all customers. Subtending rings allow our customers to lower their network cost. Customers who subtend rings can significantly reduce network costs associated with equipment, space and power. The Subtending Ring arrangement allows efficient and economical ring interconnections. Subtending Rings allow the creation of customized bandwidth connectivity to multiple locations. It also provides ring or network expansion without service interruption on the main ring.

The Asymmetrical Port Facility ("APF") also provides improved efficiency and reduced costs by minimizing power requirements and eliminating the needs for additional muxing equipment. An APF arrangement will allow our customer to aggregate subtending channels for more efficient traffic transport.

The introduction of Customer Service Management - Level 3 provides the customer with more control over their networks by providing network reports, network monitoring and the ability for the customer to perform their own network reconfiguration. Service Level 3 subscribers also have the flexibility to request that a reconfiguration be performed by Verizon.

Section 4 -Application of Rates

Ports

Monthly recurring rates apply per Port. Rates apply based on the OC rate for the port type. Where an Ethernet, Fibre Channel, or FICON signal is mapped to a SONET service, and that SONET service is provided in a symmetrical Port arrangement, two (2) OCn Port charges apply, one (1) where the mapped signal enters the ring and one (1) where the mapped signal exits the ring.

Where one or more Ethernet, Fibre Channel or FICON signals are mapped to a SONET service, and that SONET service utilizes an Asymmetrical Port combination (e.g., the signals enter the ring mapped to an OC12 SONET service and exit the ring via an OC48 Port associated with an APF), only one OCn Port applies per mapped signal to enter the ring, and the signal exits the ring over the APF.

Asymmetrical Port Facility ("APF") Mileage

Monthly recurring rates apply per mile when the APF originates in a Central Office and terminates at the customer's designated premise that is served by a different central office. The actual quantity of mileage is the airline miles between the two central offices.

Subtending Node Facility ("SNF")Mileage

Monthly recurring rates apply per mile when the SNF is extended to a Customer designated Premises that is served by a different CO than the Subtending Node. Rates apply based on the OC rate for the SNF type.

Dual Node Cross-Connect

Dual Node Cross-Connect occurs when two points of interconnection

between the Subtending Ring and the main ring are provided. Circuits originating on the main ring may be mapped to the Subtending Ring, and circuits originating on the Subtending Ring may be mapped to the main ring. Channels mapped across the two interconnecting Enhanced Nodes are subject to Dual Node Cross-connect Channel Mapping charges.

Section 5 – Rates and Charges

The following rate elements are applicable:

Product Feature/Component	NRC	MRC
Ports Fibre Channel/FICON M-to-M-1st	$767.00	$1,000.00
Ports Fibre Channel/FICON M-to-M-add	$327.00	$1,000.00
Ports Fibre Channel/FICON - 3 year		$1,000.00
Ports Fibre Channel/FICON - 5 year		$1,000.00
Subtending Port Node OC3 - 3 year		$600.00
Subtending Port Node OC3 - 5 year		$500.00
Subtending Port Node OC3 - 7 year		$450.00
Subtending Port Node OC12 - 3 year		$850.00
Subtending Port Node OC12 - 5 year		$750.00
Subtending Port Node OC12 - 7 year		$700.00
Subtending Port Node OC48 - 3 year		$1,800.00
Subtending Port Node OC48 - 5 year		$1,600.00
Subtending Port Node OC48 - 7 year		$1,500.00
Subtending Port Node OC192 - 3 year		$4,500.00
Subtending Port Node OC192 - 5 year		$3,800.00
Subtending Port Node OC192 - 7 year		$3,000.00
Loop/Channel Ext		
OC3 APF Channel Ext - 3 year		$2,850.00
OC3 APF Channel Ext - 5 year		$2,565.00
OC3 APF Channel Ext - 7 year		$2,308.50
OC12 APF Channel Ext - 3 year		$5,500.00
OC12 APF Channel Ext - 5 year		$4,500.00
OC12 APF Channel Ext - 7 year		$4,050.00
OC48 APF Channel Ext - 3 year		$7,500.00
OC48 APF Channel Ext - 5 year		$6,350.00
OC48 APF Channel Ext - 7 year		$5,715.00
OC3 SNF Channel Ext - 3 year		$2,850.00
OC3 SNF Channel Ext - 5 year		$2,565.00

OC3 SNF Channel Ext - 7 year		$2,308.50
OC12 SNF Channel Ext - 3 year		$5,500.00
OC12 SNF Channel Ext - 5 year		$4,500.00
OC12 SNF Channel Ext - 7 year		$4,050.00
OC48 SNF Channel Ext - 3 year		$7,500.00
OC48 SNF Channel Ext - 5 year		$6,350.00
OC48 SNF Channel Ext - 7 year		$5,715.00
Mileage/Transport		
OC3 APF Mileage - 3 year		$375.00
OC3 APF Mileage - 5 year		$337.50
OC3 APF Mileage - 7 year		$303.75
OC12 APF Mileage - 3 year		$750.00
OC12 APF Mileage - 5 year		$675.00
OC12 APF Mileage - 7 year		$607.50
OC48 APF Mileage - 3 year		$2,625.00
OC48 APF Mileage - 5 year		$2,362.50
OC48 APF Mileage - 7 year		$2,126.25
OC3 SNF Mileage - 3 year		$375.00
OC3 SNF Mileage - 5 year		$337.50
OC3 SNF Mileage - 7 year		$303.75
OC12 SNF Mileage - 3 year		$750.00
OC12 SNF Mileage - 5 year		$675.00
OC12 SNF Mileage - 7 year		$607.50
OC48 SNF Mileage - 3 year		$2,625.00
OC48 SNF Mileage - 5 year		$2,362.50
OC48 SNF Mileage - 7 year		$2,126.25
CSM		
CSM Level 3		$ 850.00
NRCs		
APF Mapping	$500.00	
Dual Node Cross Connect	$500.00	
Telephone Co. Reconfiguration-CSM	$300.00	

Verizon certifies that the rates for the enhanced features for EDSS are not less than the Long-run Incremental Costs of providing the features.

1. Advanced Data Services
1.6 Enhanced Dedicated SONET Service

1.6.4	Regulations	(N)
A.	Continued	
4.	**Subtending Rings**	
	The customer may interconnect two (2) or more full rings in a subtending ring configuration subject to the following:	
a.	One (1) of the EDSS full rings must be designated by the customer as the main ring from which the other EDSS full ring(s) will subtend. The main ring must be of equal or greater capacity than each EDSS full ring that subtends the main ring. For example, a main ring that is an OC12 EDSS can have an OC3 and/or OC12 subtending ring but can not have an OC48 subtending ring. The number of rings that can subtend a main ring may be limited by the type and capacity of the nodes and port configuration specific to the customer's overall EDSS service configuration. Changes in month-to-month billed ports are treated as disconnects and subsequent installations.	
b.	Interconnection between the main ring and the subtending ring requires a port node. A port node provides high speed interconnection between an enhanced node on the main ring and the high speed facilities of the subtending ring. Each subtending ring requires one port node where the subtending ring is interconnected to an enhanced node on the main ring. Interconnection between the main ring and a subtending ring may occur at a customer designated premises or within a wire center where such nodes are located. A maximum of two (2) interconnection points with the main ring are allowed per subtending ring.	
c.	Only EDSS full rings that utilize suitably equipped enhanced nodes can be arranged in subtending ring configurations. Subtending ring configurations are not available on EDSS full rings utilizing nodes that are not enhanced. EDSS partial rings may not be arranged in subtending ring configurations.	
d.	Each ring in a subtending ring configuration must be arranged as a unidirectional path switched ring (UPSR) and must use enhanced nodes. Bidirectional line switched rings (BLSR) may not be arranged in subtending ring configurations.	
e.	Where two (2) points of interconnection between the subtending ring and the main ring are provided, circuits originating on the main ring may be mapped to the subtending ring, and circuits originating on the subtending ring may be mapped to the main ring. Channels mapped across the two (2) interconnecting nodes are subject to Dual Node Cross-connect Channel Mapping charges as described in 1.6.4.A.4.l following.	
f.	The main ring and any subtending rings associated with the main ring must individually meet the minimum requirement of three (3) nodes, except that only one (1) node for the entire service configuration must be located in a Telephone Company wire center. For example, if the main ring has one (1) node located in a Telephone Company wire center and two (2) nodes located at customer designated premises, the subtending ring(s) need not have a node that is located in a Telephone Company wire center.	
i.	When determining if the minimum number of nodes on a subtending ring has been met, the port node providing interconnection to the main ring is included in the count.	
ii	When determining if the minimum number of nodes on a subtending ring has been met, the enhanced node on the main ring that interconnects with the subtending ring is not included in the count.	(N)

1. Advanced Data Services
1.6 Enhanced Dedicated SONET Service

1.6.4 Regulations (N)

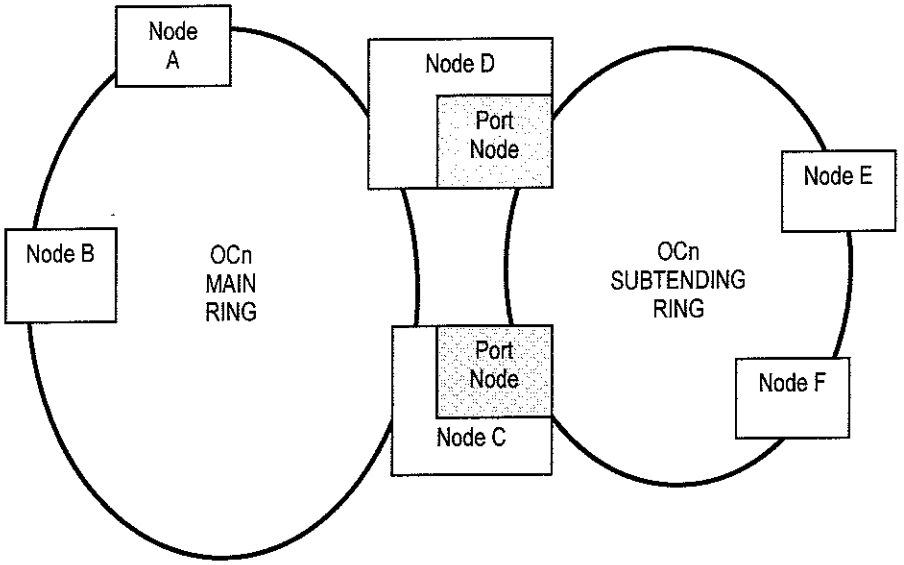
A. Continued

g. Each subtending ring may interconnect with only one (1) main ring.

h. Subtending ring configurations may be established using new EDSS full rings, existing EDSS full rings, or a combination of new and existing EDSS full rings.

i. All EDSS rings in the same subtending ring configuration must be billed to the same customer of record.

j. An example of a subtending ring configuration with two (2) points of interconnection to the main ring is diagrammed below:



Applicable rate elements:
- Nodes (6)
- Port Node (2)
- Mileage for circumference of Main Ring
- Mileage for circumference of Subtending Ring

k. Lower speed services provided over EDSS must ingress at a node on either ring (the main ring or the subtending ring) and egress at a node on either ring (the subtending ring or the main ring). A single port charge applies at the point of ingress and a single port charge applies at the point of egress, unless the ingress and/or egress occurs via an asymmetrical port facility in which case a separate port charge will not apply for each such ingress or egress.

l. At the customer's option, a lower level service may interconnect the main and one (1) or more of the subtending ring(s) through two (2) separate points of interconnection with each subtending ring. In this case, a single Dual Node Cross-connect Charge applies per lower level service provided across the interconnecting port nodes, regardless of the number of subtending rings involved. The Dual Node Cross-connect Charge does not apply when a lower level service interconnects the main and subtending ring(s) through a single point of interconnection. (N)

1. Advanced Data Services
1.6 Enhanced Dedicated SONET Service

1.6.4 Regulations

A. Continued

m. In the event that the customer elects to make a subtending ring an independent full EDSS, the independent full EDSS ring must meet all of the requirements for an EDSS full ring as set forth in 1.6.4.A.1 preceding. This may require an additional node in order to satisfy the minimum node requirement for a single, independent ring. The Telephone Company must provide the lower speed nodes. (N)

n. The customer must provide, at no cost to the Telephone Company, suitable and secure space, suitable environmental conditions, a uninterrupted power supply, building entrance facilities, and conduit for placement of the facilities and network equipment at its locations as necessary to provide the service.

o. The customer will be billed additional charges for any charges levied on the Telephone Company for space and power required to place ADMs on the Telephone Company's side of the network interface. (N)

5. Port Types (T)

a. The type of ports that are supported on a node may limit the maximum number of ports that are provided on that node. Accepted port speeds are as follows:

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
OC3 Ports		X	X	X
OC3c Ports		X	X	X
OC12 Ports			X	X
OC12c Ports			X	X
OC48 Ports				X
OC48c Ports				X
Ethernet Ports				
GigE-1 Ports		X	X	X
GigE-3 Ports		X	X	X
GigE-6 Ports		X	X	X
GigE-9 Ports		X	X	X
GigE-12 Ports			X	X
GigE-24 Ports			X	X

b. Changes in month-to-month ports are treated as disconnects and subsequent installations.

c. When high capacity services are provided between two EDSS rings, the associated ports must be symmetrical (e.g., DS1 Port to DS1 Port, DS3 Port to DS3 Port).

d. When a lower capacity service is dropped from an EDSS, the associated ports will be billed to the lower capacity service. Lower capacity services may not be dropped at locations utilizing a high-speed interface.

1. Advanced Data Services
1.6 Enhanced Dedicated SONET Service

1.6.4 Regulations

A. Continued

e. 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 following. Ethernet ports may be ordered only in symmetrical arrangements. Ports are not provided where a high-speed interface is utilized. (X) (X)

f. Port nodes allow interconnection between two (2) full EDSS rings. One (1) of the rings will be designated as the main ring and the other ring is designated as a subtending ring. Subtending rings are described in 1.6.4.A.4. (N) (N)

g. When transmuxing arrangements are ordered in symmetrical or asymmetrical port combinations, the following conditions apply: (X)(T)

- A DS1 port associated with a DS3 Transmux port may not coexist as a separate DS1 port with the same EDSS node.
- An end-to-end DS1 service provided over EDSS may not be associated with more than one DS3 Transmux port.
- DS3 Transmux ports are available at premises nodes or at CO nodes.
- The higher speed port of an asymmetrical port combination will be mapped based on the speed of the connecting service and port. (X)

h. For all other asymmetrical port combinations, the following conditions apply: (T)

- The higher speed port will be mapped based on the speed of the connecting service and port. The higher speed port is referred to as a Stub Hub Port in the arrangement.
- The Stub Hub Port is available only at a premises node.
- Stub Hub Ports are not provided on partial ring configurations.
- The lower speed port(s) can be provided at customer premises and CO nodes.

i. Asymmetrical ports are available in the following combinations: (T)

(C)

APF Asymmetrical Port	Ring Capacity	Node Speed	Rate Combinations
OC3 EDSS Ring	OC3 - OC3	STS1	STS1– DS3 STS1 – DS1
OC12 EDSS Ring	OC12 - OC12	OC3	OC3 – STS1 OC3 – DS3 OC3 – DS1 OC3 – GigE3 OC3 – GigE1
OC48 EDSS Ring	OC48 - OC48	OC12	OC12 – OC3 OC12 – OC3c OC12 – STS1 OC12 – DS3 OC12 – DS1 OC3 – GigE12* OC3 – GigE9* OC3 – GigE6* OC3 – GigE3* OC3 – GigE1*

(C)

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

1. Advanced Data Services
1.6 Enhanced Dedicated SONET Service

1.6.4 Regulations

A. Continued

APF Asymmetrical Port	Ring Capacity	Node Speed	Rate Combinations
OC48 EDSS Ring	OC48 - OC48	OC3	OC3 – STS1 OC3 – DS3 OC3 – DS1 OC3 – GigE3* OC3 – GigE1*
OC192 EDSS Ring	OC192 - OC192	OC48	OC48– OC12 OC48 OC12c OC48 – OC3 OC48 – OC3c OC48 – STS1 OC48 – DS3 OC48 – DS1* OC48 – GigE24* OC48 – GigE12* OC48 GigE9* OC48 – GigE6* OC48 – GigE3* OC48 – GigE1*
		OC12	OC12 – OC3 OC12 – OC3c OC12 – STS1 OC12 – DS3 OC12 – DS1 OC3 – GigE12* OC3 – GigE9* OC3 – GigE6* OC3 – GigE3* OC3 – GigE1*
		OC3	OC3 – STS1 OC3 – DS3 OC3 – DS1 OC3 – GigE3* OC3 – GigE1*

(C)(X)

(C)(X)

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

1. Advanced Data Services
1.6 Enhanced Dedicated SONET Service

1.6.4 Regulations

A. Continued

6. Interfaces (T)

EDSS is available only for the following interface combinations:
DS1 – DS1
DS1 – STS1
DS3 – DS3
DS3 – DS1
STS1 – STS1
OC3 – STS1
OC3 – OC3
OC3 w/DS3 mapping – DS3
OC3 w/DS1 mapping – DS1
STS1 w/DS3 mapping – DS3
STS1 w/DS1 mapping – DS1
OC3c – OC3c
OC12 – STS1, DS3, OC3, OC3c & OC12
OC12c – OC12c
OC48 – STS1, DS3, OC3, OC3c, OC12, OC12c & OC48
OC48c – OC48c
Gigabit Ethernet
GigE1 – GigE1 (mapped as 1 STS1 channel)
GigE3 – GigE3 (mapped as 3 STS1 channels or 1 STS3c channel)
GigE6 – GigE6 (mapped as 6 STS1 channels or 1 STS6c channel)
GigE9 – GigE9 (mapped as 9 STS1 channels or 1 STS9c channel)
GigE12 – GigE12 (mapped as 12 STS1 channels or 1 STS12c channel)
GigE24 – GigE24 (mapped as 24 STS1 channels or 1 STS24c channel)

7. Mileage (T)

a. EDSS Mileage on a full ring is the total of airline distances between nodes rounded up to the nearest mile.

b. EDSS Mileage on a partial ring is the total of airline distances between connection locations and each node on the partial ring. The total mileage is then rounded up to the nearest mile.

c. The mileage rate is based on total ring capacity and not on individual services between nodes. For example, the mileage charge for a four-node OC3 ring with 5.1 miles between each node (20.4 total miles) would be calculated by multiplying the OC3 mileage rate by 21 miles. This mileage calculation applies regardless of the number of services (e.g., DS3s) on the ring.

d. When EDSS is provided entirely or in part over a Telephone Company provided DWR ring service backbone network, EDSS channel mileage does not apply between the nodes. (N) (N)

1. Advanced Data Services
1.6 Enhanced Dedicated SONET Service

1.6.4	Regulations	
B.	**Commitment Period**	
1.	EDSS is available for 3, 5 and 7-year commitment periods, for ports, nodes, mileage, and high-speed interfaces. Ports are also available on a month-to-month basis. Ports and nodes added subsequent to the initial installation may be coterminous to the expiration date of the EDSS 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. Ports and nodes added after the aforementioned periods require extending the commitment period for an additional 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. Ports in a month-to-month plan may be added at anytime. The added nodes must be at the same or lower speed as the existing nodes and port nodes.	(N)
2.	Monthly recurring rates apply for the ports, nodes, mileage, and high-speed interfaces. Once a term period expires, the prevailing rates of the current plan will continue until the customer cancels service or requests a new term plan.	
3.	Nonrecurring charges for ports apply on a first and additional basis. To qualify as first and additional, the ports must be like-ports (e.g., 2 DS1 Ports) installed at the same node at the same time. Nonrecurring charges apply to the initial installation of ports purchased on a month-to-month basis and to the subsequent installations of all ports and nodes. 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 EDSS service or a subsequent installation of ports.	(N)
4.	With the exception of Storage Interface Ports, nonrecurring charges for EDSS ports purchased on a month-to-month plan at the initial installation of EDSS service apply on a first and additional basis.	
5.	With the exception of Storage Interface Ports, nonrecurring charges for EDSS ports purchased under a term plan apply on a first and additional basis for each EDSS port that is ordered subsequent to the initial installation of EDSS Service.	
6.	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 EDSS. There is no NRC associated with term plans.	
7.	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.	
8.	Nonrecurring charges for EDSS nodes apply to all nodes and port nodes installed subsequent to the initial installation of EDSS.	
9.	A Channel Mapping nonrecurring charge as set forth in 1.6.4.B.10 following applies for each channel which the Telephone Company must map over the partial ring. Channel mapping is required only on channels that originate at and terminate to devices that are not within the partial ring.	(N)

1. Advanced Data Services
1.6 Enhanced Dedicated SONET Service

1.6.4	Regulations	(N)
B.	Continued	
10.	When a lower capacity service is dropped from an EDSS 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 Telephone Company. The Channel Mapping Charge is billed to the lower capacity service.	
11.	When a lower capacity service is provided between two (2) separate asymmetrical port facilities (APF) on the same EDSS, the Telephone 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.	
12.	Nonrecurring charges apply for the installation of an Optional Feature as described in 1.6.5.D.2. following.	
13.	A single Dual Node Cross-connect Charge applies per lower level service provided across the interconnecting port nodes of a subtending ring(s) configuration, regardless of the number of subtending rings involved. Dual Node Cross-connect Charges as set forth in 4.4.1 apply for each channel which the Telephone Company must cross-connect between the port nodes of the interconnecting ring(s).	
14.	When a node is disconnected prior to the end of the commitment period, the node is subject to termination liability under 1.6.6. following.	
15.	Where an Ethernet, Fibre Channel, or FICON signal is mapped to a SONET service, and that SONET service is provided in a symmetrical port arrangement, two (2) OCn ports apply (one where the mapped signal enters the ring and one where the mapped signal exits the ring).	
16.	Where one or more Ethernet, Fibre Channel or FICON signals are mapped to a SONET service, and that SONET service utilizes an asymmetrical port combination (e.g., the signals enter the ring mapped to an OC12 SONET service and exit the ring via an OC48 port associated with an asymmetrical port facility), only one OCn port applies per mapped signal to enter the ring and the signal exits the ring over the asymmetrical port facility. The total number of such mapped Ethernet, Fibre Channel, or FICON signals that can be associated with the OCn Port of the asymmetrical port facility is limited by the STS1 capacity required to map each signal into the SONET service. For example, assume that an OC48 APF is ordered for which an OC48 port, OC48 mileage, and, when applicable, an OC48 Extension applies (an OC48 has a capacity of 48 STS1s). Further assume that 2 Verizon Optical Networking 600 Mbps Ethernet-to-SONET mapped services are ordered, each of which requires 6 STS1s when mapped into an OC12 SONET signal. In this example, the OC48 asymmetrical port arrangement would still have 36 available STS1s.	
17.	Changes in Month-to-Month billed asymmetrical port facilities are treated as disconnects and subsequent installations.	(N)

1. Advanced Data Services
1.6 Enhanced Dedicated SONET Service

1.6.4	Regulations
C.	**Service Interruption**
1.	Credit Allowance Applies:
a.	EDSS is guaranteed service restoral within one minute in the event of a service interruption except as specified in 2 following. Any service interruption greater than one minute due solely to a Telephone Company facility failure will result in a credit allowance of 100% of the monthly rate for the applicable rate elements of the affected service, provided that the interruption is brought to the attention of the Telephone Company within 10 days. The total credit allowance in any one billing period cannot exceed 100% of the customer's monthly rate for the affected rate elements, regardless of the number or length of service interruptions within a billing month
2.	A Credit Allowance Does Not Apply for:
a.	Service interruptions of less than one minute.
b.	Service interruptions caused by the negligence of the customer or authorized user.
c.	Service interruptions resulting from the failure of equipment or systems provided by the customer or authorized user.
d.	Service interruptions during any period in which the Telephone Company is not afforded access to a premises for testing and/or repair of service.
e.	Service interruptions when the customer has released the service to the Telephone Company for maintenance purposes, to make rearrangements, or for the implementation of an order for a change in the service during the time that was negotiated with the customer prior to the release of that service.
f.	Service interruptions which continue due to the failure of the customer to authorize replacement of any element of special construction. The period during which no credit allowance will be made begins on the seventh day after the customer receives the Telephone Company's notification of the need for replacement and ends on the day after the Telephone Company receives the customer's authorization for replacement.
g.	Service interruptions during periods when the customer elects not to release the service for testing and/or repair.

(X)

(X)

1. Advanced Data Services
1.6 Enhanced Dedicated SONET Service

1.6.5	Customer Service Management Optional Feature (CSM)	
A.	CSM provides a customer with real-time information about the operational status of the customer's EDSS network. Three (3) Service Levels of support are offered for CSM. Each Service Level provides different functionalities to which the customer may gain access. These functionalities are described following and include access to real-time information about the customer's EDSS network and the ability to generate reports. When ordering CSM, the customer must specify one of the following three Service Levels.	(T) (T)
1.	Level 1 - provides a network view of real-time detection and reporting of network alarm conditions within the customer's EDSS network.	
2.	Level 2 - provides the same capabilities described in Level 1 along with the ability for the customer to generate basic network performance reports for the customer's EDSS network. The customer may also request network performance reports that are customized to meet specific needs.	
3.	Level 3 support provides the same support described in Levels 1 and 2 along with the ability to reconfigure (re-map) the end points of lower level services riding the ring.	(N)
a.	Reconfiguration using CSM consists of re-mapping the end point of a primary circuit to its preplanned (backup) port location. The customer must specify a preplanned port location for each primary circuit installed. The preplanned port location is a backup location that is activated and de-activated when a primary circuit is reconfigured at the request of the customer via the CSM platform. Existing EDSS Port rates and nonrecurring subsequent installation EDSS Port rates are applicable to the preplanned port. A reconfiguration is limited to the mapping of one primary circuit to its assigned preplanned location. For each preplanned port location, a monthly recurring rate and a nonrecurring installation charge apply per port in accordance with Section 1.6.5.b. following.	
b.	A Telephone Company Performed Reconfiguration charge will apply when the customer requests that the Telephone Company perform a reconfiguration of service on its behalf. This charge does not apply when a customer performs its own service reconfiguration.	
1.	Reconfiguration is not permitted on services arranged in the following service configurations:	
i.	Switched Access Service;	
ii.	Service provided under a shared use arrangement;	
iii.	Service associated with Centrex-CO or Primary Rate ISDN service; or,	
iv.	Primary circuits for which the customer has not specified a preplanned backup location.	
v.	Fibre Channel/FICON service.	(N)

1. Advanced Data Services
1.6 Enhanced Dedicated SONET Service

1.6.5	Customer Service Management Optional Feature (CSM)	
B.	The type of nodes deployed within the EDSS network may limit reconfiguration of OC12/OC12c circuits within an OC48 EDSS. CSM is not available on partial ring configurations.	(N)
C.	When CSM is added to an existing ring, existing circuits that are being made reconfigurable will require that an Access Order be issued to designate the circuit as reconfigurable. Nonrecurring charges as set forth in Section 1.6.5.D following may apply. The Telephone Company's ability to provide CSM on a particular ring may be limited by the overall configuration of that ring. Reconfiguration is limited to those circuits that originate and/or terminate on the ring (i.e., at locations served by a node on the ring) and utilize ports that are symmetrical. For circuits that originate or terminate off the ring (i.e., at locations not served by a node on the ring), the reconfiguration is limited to customer premises node locations on the ring.	(N)
D.	**Application of Rates and Charges -** CSM rates and charges are set forth in Part M., Section 6, unless noted otherwise. CSM rates and charges apply in addition to any applicable EDSS rates and charges. Unless otherwise indicated below, CSM rates and charges apply regardless of the Service Level selected by the customer.	(T)
1.	**Monthly Recurring Charges -** A CSM Service Level monthly recurring charge applies for each EDSS ring provided with CSM.	
2.	**Nonrecurring Charges -** Apply as follows:	
a.	A Node Setup charge applies for each node that is equipped with CSM at the time that CSM is initially established on the ring.	
b.	An Add/Remove Node charge applies for each node that is subsequently added to, or removed from, a ring that has already been equipped to provide CSM.	
c.	An Initial CSM Setup charge applies for establishment of the customer's initial CSM database partition. The initial CSM database partition includes setup for up to six (6) users.	
d.	A Setup of Additional Users charge applies for the setup of up to six (6) additional users beyond those provided with the initial database setup when CSM is initially established on the ring.	
e.	A Setup of Additional Partition or Change in CSM Service Level charge applies for the setup of an additional CSM database partition created for the same customer or to change from one CSM service level to another (e.g., change Service Level 1 to Service Level 2). Each additional CSM database provides for the setup of up to six (6) additional users.	

1. Advanced Data Services
1.6 Enhanced Dedicated SONET Service

1.6.5	Customer Service Management Optional Feature (CSM)	
D.	(Continued)	(T)
f.	A Consultation and Support charge applies for each thirty (30) minutes or fraction thereof that the customer requests Telephone Company consultation and support of its CSM network. This charge does not apply during initial setup of CSM on the ring.	
g.	A Telephone Company Performed Reconfiguration charge applies for Service Level 3 customers only when the customer requests that the Telephone Company perform a reconfiguration based on its pre-mapping instructions.	(N)
h.	A Preplanned Port charge applies for Service Level 3 customers only for each port associated with a preplanned location that is established during the initial establishment of CSM on the ring. The Preplanned Port NRC is the same as for the equivalent EDSS port serving as the primary location.	(N)
E.	**Terms and Conditions**	(T)
1.	The customer must utilize Internet web access to connect customer-provided terminal equipment to the Telephone Company's CSM management system. Access to the Internet and any associated rates and charges are the responsibility of the customer. The customer is also responsible for obtaining communications software that is compatible with the software the Telephone Company utilizes to provide CSM. The Telephone Company will work with the customer to determine compatibility of communications software.	
2.	CSM is provided only when the Telephone Company provides all nodes on the ring.	
3.	Subject to the restrictions set forth in Section 1.6.5.E.4. following, CSM is provided coincident with the installation of the associated EDSS ring, or it may be added to an existing ring.	(T)
4.	CSM Service Level is provided under a term plan of 3 years, 5 years, or 7 years, as described following.	
a.	The duration of the term plan for a CSM Service Level must be the same duration as the term plan for the EDSS nodes provided with CSM. At the expiration of a 3-, 5-, or 7-year term plan for CSM Service Levels, the customer has the option of extending CSM Service Level with a coterminous end date as described in Section 1.6.5.E.4.b. following.	(T)
b.	The expiration date of each CSM Service Level added subsequent to the initial installation must be coterminous to the expiration date of the associated EDSS service, provided that 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. A CSM added after the aforementioned periods requires extension of the commitment period for the associated EDSS service in accordance with Section 1.6.5.A. preceding. Such extension results in the establishment of a new plan that includes both the EDSS and the CSM under the same plan with the same expiration date.	

1. Advanced Data Services
1.6 Enhanced Dedicated SONET Service

1.6.5	Customer Service Management Optional Feature (CSM)
E.	(Continued)
5.	With Service Level 2 support, the customer may retrieve certain basic reports containing performance-monitoring information on its EDSS network, as designated and provided by the Telephone Company. Basic reports are available at no additional charge to the customer. The customer may also request that a report be customized to meet particular needs. Rates and charges for customized reports are provided on an Individual Case Basis (ICB). Reports are not provided with Level 1 support.
6.	CSM is subject to termination liability if CSM is removed prior to completion of the existing commitment period. The terms and conditions in Section 1.6.6. following, as applicable, apply to removal of CSM prior to completion of the existing commitment period.

(T)

1.6.6	Termination Liability
A.	Termination liability applies to EDSS service or an Optional Feature and is charged per rate element on all ports, nodes, mileage, high-speed interfaces and Optional Features, except month-to-month ports for which the one-month minimum service charge applies.
B.	Termination liability will apply when the customer cancels service prior to expiration of the selected term, unless the exception conditions described below are met. If the cancellation occurs within the first two years of the term, termination liability is equal to 100 percent of the monthly charges for the unexpired portion of the first two years of the term and 25 percent of the monthly charges for the remainder of the term. If the customer cancels after the first two years of service, then termination liability is equal to 25 percent of the monthly charges for the remainder of the term.
C.	EDSS service or an Optional Feature may be canceled without termination liability when cancellation of the service occurs within thirty (30) days of the effective date of a Telephone Company initiated rate increase of eight percent (8%) or more on any rate applicable to EDSS service.
D.	Termination liability will not apply on an EDSS service or Optional Feature if a customer changes to a longer term-commitment period, and the number of services or ports included in the new commitment period remains the same or increase.
E.	Termination liability will not apply to a customer upgrade (change to a higher capacity EDSS service) of an EDSS node or port, if all of the following conditions are met:
1.	A new Telephone Company commitment period commences with the upgrade.
2.	The new expiration date must extend beyond the discontinued plan date.
3.	The new EDSS service is provided at the same customer and/or Telephone Company location(s) as the discontinued service plan.
4.	Additional nodes and ports added at the time of the upgrade incur all applicable rates and charges.

4. Rates and Charges
4.4 Enhanced Dedicated SONET Service

4.4.1 Enhanced Dedicated SONET Service

ID	Service Category	Rate Element	Rates				
	EDSS Node		Month -to- Month	3-Year	5-Year	7-Year	
		OC3 – Monthly	N/A	2,228.00	1,290.00	1,186.00	
		OC12 – Monthly	N/A	4,860.00	2,700.00	2,430.00	
		OC48 – Monthly	N/A	10,658.00	4,604.00	4,143.00	
		OC192 – Monthly	N/A	16,560.00	9,200.00	8,280.00	
		Subsequent installations per Node or Subtending Port Node – NRC	N/A	1,599.00	1,599.00	1,599.00	(N) (N)
	EDSS Mileage, by Node Type	OC3 – Per Mile – Monthly	N/A	352.00	235.00	223.00	
		OC12 – Per Mile – Monthly	N/A	400.00	310.00	300.00	
		OC48 – Per Mile – Monthly	N/A	625.00	450.00	400.00	
		OC192 – Per Mile – Monthly	N/A	1,215.00	900.00	850.00	
		ThruPath Connection – NRC	N/A	182.00	182.00	182.00	
	EDSS Port/Preplanned Port	DS1 at OC3 Node – Monthly	28.00	28.00	28.00	28.00	(N)
		DS1 at OC12 Node – Monthly	28.00	28.00	28.00	28.00	(N)
		DS1 at OC48 Node – Monthly	28.00	28.00	28.00	28.00	
		DS1 at OC192 Node – Monthly	28.00	28.00	28.00	28.00	
		DS3 or STS1 at OC3 Node – Monthly	115.00	115.00	115.00	115.00	
		DS3 or STS1 at OC12 Node – Monthly	115.00	115.00	115.00	115.00	
		DS3 or STS1 at OC48 Node – Monthly	115.00	115.00	115.00	115.00	
		DS3 or STS1 at OC192 Node – Monthly	115.00	115.00	115.00	115.00	
		DS3 Transmux at OC12 Node – Monthly	400.00	400.00	400.00	400.00	
		DS3 Transmux at OC48 Node – Monthly	400.00	400.00	400.00	400.00	
		DS3 Transmux at OC192 Node – Monthly	400.00	400.00	400.00	400.00	

4. Rates and Charges
4.4 Enhanced Dedicated SONET Service

4.4.1 Enhanced Dedicated SONET Service							
ID	Service Category	Rate Element	Rates				
	EDSS Port/Preplanned Port		Month -to- Month	3-Year	5-Year	7-Year	(N) (N)
		OC3c at OC12 Node – Monthly	250.00	250.00	250.00	250.00	
		OC3c at OC48 Node – Monthly	250.00	250.00	250.00	250.00	
		OC3c at OC192 Node – Monthly	250.00	250.00	250.00	250.00	
		OC3 at OC12 Node – Monthly	250.00	250.00	250.00	250.00	
		OC3 at OC48 Node – Monthly	250.00	250.00	250.00	250.00	
		OC3 at OC192 Node – Monthly	250.00	250.00	250.00	250.00	
		OC12c at OC48 Node – Monthly	500.00	500.00	500.00	500.00	
		OC12c at OC192 Node – Monthly	500.00	500.00	500.00	500.00	
		OC12 at OC48 Node – Monthly	500.00	500.00	500.00	500.00	
		OC12 at OC192 Node – Monthly	500.00	500.00	500.00	500.00	
		OC48c at OC192 Node – Monthly	1,200.00	1,200.00	1,200.00	1,200.00	
		OC48 at OC192 Node – Monthly	1,200.00	1,200.00	1,200.00	1,200.00	
		GigE1 at OC12 Node – Monthly	230.00	230.00	230.00	230.00	
		GigE1 at OC48 Node – Monthly	230.00	230.00	230.00	230.00	
		GigE1 at OC192 Node – Monthly	230.00	230.00	230.00	230.00	

4. Rates and Charges
4.4 Enhanced Dedicated SONET Service

4.4.1 Enhanced Dedicated SONET Service

ID	Service Category	Rate Element	Rates				
	EDSS Port/Preplanned Port		Month -to- Month	3-Year	5-Year	7-Year	(N) (N)
		GigE3 at OC12 Node – Monthly	345.00	345.00	345.00	345.00	
		GigE3 at OC48 Node – Monthly	345.00	345.00	345.00	345.00	
		GigE3 at OC192 Node – Monthly	345.00	345.00	345.00	345.00	
		GigE6 at OC12 Node – Monthly	455.00	455.00	455.00	455.00	
		GigE6 at OC48 Node – Monthly	455.00	455.00	455.00	455.00	
		GigE6 at OC192 Node – Monthly	455.00	455.00	455.00	455.00	
		GigE9 at OC12 Node – Monthly	535.00	535.00	535.00	535.00	
		GigE9 at OC48 Node – Monthly	535.00	535.00	535.00	535.00	
		GigE9 at OC192 Node – Monthly	535.00	535.00	535.00	535.00	
		GigE12 at OC48 Node – Monthly	645.00	645.00	645.00	645.00	
		GigE12 at OC192 Node – Monthly	645.00	645.00	645.00	645.00	
		GigE24 at OC48 Node – Monthly	880.00	880.00	880.00	880.00	
		GigE24 at OC192 Node – Monthly	880.00	880.00	880.00	880.00	
	EDSS Partial Ring – High Speed Interface	OC12 – Per Interface – Monthly	N/A	4,860.00	2,700.00	2,430.00	
		OC48 – Per Interface – Monthly	N/A	10,658.00	4,604.00	4,143.00	
		OC192 – Per Interface – Monthly	N/A	16,460.00	9,200.00	8,280.00	

4. Rates and Charges
4.4 Enhanced Dedicated SONET Service

4.4.1 Enhanced Dedicated SONET Service (N)

ID	Service Category	Rate Element	Rates			
	Storage Interface Ports – Per Port		Month -to- Month	3-Year	5-Year	7-Year
		1 Gbps Fibre Channel at OC48 Node – Monthly	1,000.00	1,000.00	1,000.00	N/A
		1 Gbps Fibre Channel at OC192 Node – Monthly	1,000.00	1,000.00	1,000.00	N/A
		1 Gbps FICON at OC48 Node – Monthly	1,000.00	1,000.00	1,000.00	N/A
		1 Gbps FICON at OC192 Node - Monthly	1,000.00	1,000.00	1,000.00	N/A
	Asymmetrical Port Facility (APF)	OC3 APF* – OC3 Mileage – Per Mile – Monthly	N/A	375.00	337.50	303.75
		OC3 APF*– OC3 Channel Extension – Each – Monthly	N/A	2,850.00	2,565.00	2,308.50
		OC12 APF*– OC12 Mileage – Per Mile – Monthly	N/A	750.00	675.00	607.50
		OC12 APF* – OC12 Channel Extension – Each – Monthly	N/A	5,500.00	4,500.00	4,050.00
		OC48 APF*– OC48 Mileage – Per Mile – Monthly	N/A	2,625.00	2,362.50	2,126.25
		OC48 APF*- OC48 Channel Extension – Each – Monthly	N/A	7,500.00	6,350.00	5,715.00
	Subtending Node Facility	OC3 SNF* – OC3 Mileage – Per Mile – Monthly	N/A	375.00	337.50	303.75
		OC3 SNF* – OC3 Channel Extension – Each – Monthly	N/A	2,850.00	2,565.00	2,308.50
		OC12 SNF* – OC12 Mileage – Per Mile – Monthly	N/A	750.00	675.00	607.50
		OC12 SNF*– OC12 Channel Extension – Each – Monthly	N/A	5,500.00	4,500.00	4,050.00
		OC48 SNF*– OC48 Mileage – Per Mile – Monthly	N/A	2,625.00	2,362.50	2,126.25
		OC48 SNF* – OC48 Channel Extension – Each – Monthly	N/A	7,500.00	6,350.00	5,715.00

(N)

* Require an Enhanced Node

4. Rates and Charges
4.4 Enhanced Dedicated SONET Service

4.4.1 Enhanced Dedicated SONET Service

ID	Service Category	Rate Element	Rates				
	Subtending Port Nodes		Month -to- Month	3-Year	5-Year	7-Year	(N)
		OC3 at OC3 Node – Monthly	N/A	600.00	500.00	450.00	
		OC3 at OC12 Node – Monthly	N/A	600.00	500.00	450.00	
		OC3 at OC48 Node – Monthly	N/A	600.00	500.00	450.00	
		OC3 at OC192 Node – Monthly	N/A	600.00	500.00	450.00	
		OC12 at OC12 Node – Monthly	N/A	850.00	750.00	700.00	
		OC12 at OC48 Node – Monthly	N/A	850.00	750.00	700.00	
		OC12 at OC192 Node – Monthly	N/A	850.00	750.00	700.00	
		OC48 at OC48 Node – Monthly	N/A	1,800.00	1,600.00	1,500.00	
		OC48 at OC192 Node – Monthly	N/A	1,800.00	1,600.00	1,500.00	
		OC192 at OC192 Node – Monthly	N/A	4,500.00	3,800.00	3,000.00	(N)
	EDSS Partial Ring Channel Mapping	DS1 Channel – Per Channel – NRC	N/A	150.00	150.00	150.00	
		DS3 or STS1 Channel – Per Channel – NRC	N/A	150.00	150.00	150.00	
		OC3 Channel – Per Channel – NRC	N/A	150.00	150.00	150.00	
		OC3c Channel – Per Channel – NRC	N/A	150.00	150.00	150.00	
		OC12 Channel – Per Channel – NRC	N/A	150.00	150.00	150.00	
		OC12c Channel – Per Channel – NRC	N/A	150.00	150.00	150.00	
		OC48 Channel – Per Channel – NRC	N/A	150.00	150.00	150.00	
		OC48c Channel – Per Channel – NRC	N/A	150.00	150.00	150.00	
		GigE1 Channel – Per Channel – NRC	N/A	150.00	150.00	150.00	
		GigE3 Channel – Per Channel – NRC	N/A	150.00	150.00	150.00	
		GigE6 Channel – Per Channel – NRC	N/A	150.00	150.00	150.00	

4. Rates and Charges
4.4 Enhanced Dedicated SONET Service

4.4.1 Enhanced Dedicated SONET Service

ID	Service Category	Rate Element	Rates				
	EDSS Partial Ring Channel Mapping		Month -to- Month	3-Year	5-Year	7-Year	(X)
		GigE9 Channel – Per Channel – NRC	N/A	150.00	150.00	150.00	
		GigE12 Channel – Per Channel – NRC	N/A	150.00	150.00	150.00	
		GigE24 Channel – Per Channel – NRC	N/A	150.00	150.00	150.00	(X)
	Asymmetrical Port Facility (APF) – Mapping – Non-Recurring Charges	Per lower capacity channel mapped between two APFs on the same EDSS – All Types – NRC	500.00				(N)
	Dual Node Cross Connect Charge – Non-Recurring Charges	Per Lower Capacity channel provided through two interconnecting nodes in a subtended ring arrangement – NRC	500.00				(N)
	EDSS Port/Preplanned Port – Non-Recurring Charges		Initial Installations		Subsequent Installations		(N)
			Month -to- Month	Term Plans	Month -to- Month	Term Plans	(N)
		DS1 at OC3 Node – First – NRC	525.00	N/A	1.00	1.00	
		DS1 at OC3 Node – Additional – NRC	210.00	N/A	.75	.75	
		DS1 at OC12 Node – First – NRC	525.00	N/A	1.00	1.00	
		DS1 at OC12 Node – Additional – NRC	210.00	N/A	.75	.75	
		DS1 at OC48 Node – First – NRC	525.00	N/A	1.00	1.00	
		DS1 at OC48 Node – Additional – NRC	210.00	N/A	.75	.75	
		DS1 at OC192 Node – First – NRC	525.00	N/A	1.00	1.00	
		DS1 at OC192 Node – Additional – NRC	210.00	N/A	.75	.75	
		DS3 or STS1 at OC3 Node – First – NRC	805.00	N/A	1.00	1.00	
		DS3 or STS1 at OC3 Node – Additional – NRC	343.00	N/A	.75	.75	

4. Rates and Charges
4.4 Enhanced Dedicated SONET Service

4.4.1 Enhanced Dedicated SONET Service

ID	Service Category	Rate Element	Rates				
			Initial Installations		Subsequent Installations		(X) (N) (N)
			Month -to- Month	Term Plans	Month -to- Month	Term Plans	
	EDSS Port/Preplanned Port – Non-Recurring Charges	DS3 or STS1 at OC12 Node – First – NRC	805.00	N/A	1.00	1.00	
		DS3 or STS1 at OC12 Node – Additional – NRC	343.00	N/A	.75	.75	
		DS3 or STS1 at OC48 Node –First – NRC	805.00	N/A	1.00	1.00	
		DS3 or STS1 at OC48 Node – Additional – NRC	343.00	N/A	.75	.75	(X)
		DS3 or STS1 at OC192 Node – First – NRC	805.00	N/A	1.00	1.00	
		DS3 or STS1 at OC192 Node – Additional – NRC	343.00	N/A	.75	.75	
		DS3 Transmux at OC12 Node – First – NRC	805.00	N/A	1.00	1.00	
		DS3 Transmux at OC12 Node – Additional – NRC	343.00	N/A	.75	.75	
		DS3 Transmux at OC48 Node – First – NRC	805.00	N/A	1.00	1.00	
		DS3 Transmux at OC48 Node – Additional – NRC	343.00	N/A	.75	.75	
		DS3 Transmux at OC192 Node – First – NRC	805.00	N/A	1.00	1.00	
		DS3 Transmux at OC192 Node – Additional – NRC	343.00	N/A	.75	.75	
		OC3c at OC12 Node – First – NRC	805.00	N/A	1.00	1.00	
		OC3c at OC12 Node – Additional – NRC	343.00	N/A	.75	.75	
		OC3c at OC48 Node – First – NRC	805.00	N/A	1.00	1.00	
		OC3c at OC48 Node – Additional – NRC	343.00	N/A	.75	.75	
		OC3c at OC192 Node – First – NRC	805.00	N/A	1.00	1.00	
		OC3c at OC192 Node – Additional – NRC	343.00	N/A	.75	.75	

4. Rates and Charges
4.4 Enhanced Dedicated SONET Service

4.4.1 Enhanced Dedicated SONET Service

ID	Service Category	Rate Element	Rates				
			Initial Installations		Subsequent Installations		(N)
	EDSS Port/Preplanned Port – Non-Recurring Charges		Month -to- Month	Term Plans	Month -to- Month	Term Plans	(N)
		OC3 at OC12 Node – First – NRC	805.00	N/A	1.00	1.00	
		OC3 at OC12 Node – Additional – NRC	343.00	N/A	.75	.75	
		OC3 at OC48 Node – First – NRC	805.00	N/A	1.00	1.00	
		OC3 at OC48 Node – Additional – NRC	343.00	N/A	.75	.75	
		OC3 at OC192 Node – First – NRC	805.00	N/A	1.00	1.00	
		OC3 at OC192 Node – Additional – NRC	343.00	N/A	.75	.75	
		OC12c at OC48 Node – First – NRC	767.00	N/A	1.00	1.00	
		OC12c at OC48 Node – Additional – NRC	327.00	N/A	.75	.75	
		OC12c at OC192 Node – First – NRC	767.00	N/A	1.00	1.00	
		OC12c at OC192 Node – Additional – NRC	327.00	N/A	.75	.75	
		OC12 at OC48 Node – First – NRC	767.00	N/A	1.00	1.00	
		OC12 at OC48 Node – Additional – NRC	327.00	N/A	.75	.75	
		OC12 at OC192 Node – First – NRC	767.00	N/A	1.00	1.00	
		OC12 at OC192 Node – Additional – NRC	327.00	N/A	.75	.75	

4. Rates and Charges
4.4 Enhanced Dedicated SONET Service

4.4.1 Enhanced Dedicated SONET Service

ID	Service Category	Rate Element	Rates				
	EDSS Port/Preplanned Port – Non-Recurring Charges		Initial Installations		Subsequent Installations		(N) (N)
			Month -to- Month	Term Plans	Month -to- Month	Term Plans	
		OC48c at OC192 Node – First – NRC	767.00	N/A	1.00	1.00	
		OC48c at OC192 Node – Additional – NRC	327.00	N/A	.75	.75	
		OC48 at OC192 Node – First – NRC	767.00	N/A	1.00	1.00	
		OC48 at OC192 Node – Additional – NRC	327.00	N/A	.75	.75	
		GigE1 at OC12 Node – First – NRC	767.00	N/A	1.00	1.00	
		GigE1 at OC12 Node – Additional – NRC	327.00	N/A	.75	.75	
		GigE1 at OC48 Node – First – NRC	767.00	N/A	1.00	1.00	
		GigE1 at OC48 Node – Additional – NRC	327.00	N/A	.75	.75	
		GigE1 at OC192 Node – First – NRC	767.00	N/A	1.00	1.00	
		GigE1 at OC192 Node – Additional – NRC	327.00	N/A	.75	.75	
		GigE3 at OC12 Node – First – NRC	767.00	N/A	1.00	1.00	
		GigE3 at OC12 Node – Additional – NRC	327.00	N/A	.75	.75	
		GigE3 at OC48 Node – First – NRC	767.00	N/A	1.00	1.00	
		GigE3 at OC48 Node – Additional – NRC	327.00	N/A	.75	.75	
		GigE3 at OC192 Node – First – NRC	767.00	N/A	1.00	1.00	
		GigE3 at OC192 Node – Additional – NRC	327.00	N/A	.75	.75	

4. Rates and Charges
4.4 Enhanced Dedicated SONET Service

4.4.1 Enhanced Dedicated SONET Service

ID	Service Category	Rate Element	Rates				
	EDSS Port/Preplanned Port – Non-Recurring Charges		Initial Installations		Subsequent Installations		(N)
			Month -to- Month	Term Plans	Month -to- Month	Term Plans	(N)
		GigE6 at OC12 Node – First – NRC	767.00	N/A	1.00	1.00	
		GigE6 at OC12 Node – Additional – NRC	327.00	N/A	.75	.75	
		GigE6 at OC48 Node – First – NRC	767.00	N/A	1.00	1.00	
		GigE6 at OC48 Node – Additional – NRC	327.00	N/A	.75	.75	
		GigE6 at OC192 Node – First – NRC	767.00	N/A	1.00	1.00	
		GigE6 at OC192 Node – Additional – NRC	327.00	N/A	.75	.75	
		GigE9 at OC12 Node – First – NRC	767.00	N/A	1.00	1.00	
		GigE9 at OC12 Node – Additional – NRC	327.00	N/A	.75	.75	
		GigE9 at OC48 Node – First – NRC	767.00	N/A	1.00	1.00	
		GigE9 at OC48 Node – Additional – NRC	327.00	N/A	.75	.75	
		GigE9 at OC192 Node – First – NRC	767.00	N/A	1.00	1.00	
		GigE9 at OC192 Node – Additional – NRC	327.00	N/A	.75	.75	

4. Rates and Charges
4.4 Enhanced Dedicated SONET Service

4.4.1 Enhanced Dedicated SONET Service

ID	Service Category	Rate Element	Rates				
			Initial Installations		Subsequent Installations		(N)
	EDSS Port/Preplanned Port – Non-Recurring Charges		Month -to- Month	Term Plans	Month -to- Month	Term Plans	(N)
		GigE12 at OC48 Node – First – NRC	767.00	N/A	1.00	1.00	
		GigE12 at OC48 Node – Additional - NRC	327.00	N/A	.75	.75	
		GigE12 at OC192 Node – First – NRC	767.00	N/A	1.00	1.00	
		GigE12 at OC192 Node – Additional – NRC	327.00	N/A	.75	.75	
		GigE24 at OC48 Node – First – NRC	767.00	N/A	1.00	1.00	
		GigE24 at OC48 Node – Additional – NRC	327.00	N/A	.75	.75	
		GigE24 at OC192 Node – First – NRC	767.00	N/A	1.00	1.00	
		GigE24 at OC192 Node – Additional – NRC	327.00	N/A	.75	.75	
	Storage Interface Ports	1 Gbps Fibre Channel at OC48 Node – First – NRC	767.00	N/A	767.00	N/A	(N)
		1 Gbps Fibre Channel at OC48 Node – Additional - NRC	327.00	N/A	327.00	N/A	
		1 Gbps Fibre Channel at OC192 Node – First – NRC	767.00	N/A	767.00	N/A	
		1 Gbps Fibre Channel at OC192 Node – Additional - NRC	327.00	N/A	327.00	N/A	
		1 Gbps FICON at OC48 Node – First – NRC	767.00	N/A	767.00	N/A	
		1 Gbps FICON at OC48 Node – Additional – NRC	327.00	N/A	327.00	N/A	
		1 Gbps FICON at OC192 Node – First – NRC	767.00	N/A	767.00	N/A	
		1 Gbps FICON at OC192 Node – Additional – NRC	327.00	N/A	327.00	N/A	(N)

4. Rates and Charges
4.4 Enhanced Dedicated SONET Service

4.4.2 Enhanced Dedicated SONET Service – Customer Service Management							
ID	Service Category	Rate Element	Rates				
			Monthly	3-Year	5-Year	7-Year	
	EDSS CSM – Service Levels	Level 1 - Monthly	N/A	250.00	250.00	250.00	(X)
		Level 2 - Monthly	N/A	450.00	450.00	450.00	(X)
		Level 3 - Monthly	N/A	850.00	850.00	850.00	(N)
	EDSS CSM – Non-recurring charges	Node Setup – per node on the ring – NRC	N/A	200.00	200.00	200.00	
		Initial CSM Setup – first – partition with up to 6 users – All Service Levels – Each – NRC	N/A	500.00	500.00	500.00	
		Setup of Additional Partition or change in CSM Service Level –Each – NRC	N/A	500.00	500.00	500.00	
		Setup of Additional Users up to 6 additional users – All Service Levels – Each – NRC	N/A	350.00	350.00	350.00	
		Add/Remove Node, per node – NRC	N/A	200.00	200.00	200.00	
		Telephone Company Performed Reconfiguration, per mapping – NRC	N/A	300.00	300.00	300.00	(N) (N)
		Consultation and Support each 30 minutes or fraction thereof – NRC	N/A	100.00	100.00	100.00	(T)