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April 27, 2006

Beth Salak, Director
Competitive Markets and Enforcement
Florida Public Service Commission
Attn: Tariff Section
2540 Shumard Oak Blvd.
Tallahassee, Florida 32399-0850

Dear Mrs. Salak:

Pursuant to Florida Statute 364.051 we are filing herewith revisions to our Private Line Services Tariff. Following are the affected pages:

Private Line Services Tariff

See Attachment

The purpose of this filing is to introduce new service capabilities for LightGate Service and SMARTRing Service to meet customer's communication needs.

Acknowledgment, date of receipt and authority number of this filing are requested.

Your consideration and approval will be appreciated.

Yours very truly,

Jerry D. Hendrix (slg)

Vice President
Regulatory Relations

Attachments

PRIVATE LINE SERVICES TARIFF

Section B7	Fourth Revised Page 35.1
	Original Page 35.1.0.1
	Third Revised Page 35.1.1
	Sixth Revised Page 52
	Second Revised Page 52.1
	Seventh Revised Page 58
	Seventh Revised Page 59
	Third Revised Page 59.1
	Original Revised Page 59.2
	Original Revised Page 59.3
	Third Revised Page 62
	Fifth Revised Page 63
	Second Revised Page 63.1
	Fifth Revised Page 65
	Original Page 65.1
	Fifth Revised Page 66
	Third Revised Page 67
	Original Page 67.1
	Sixth Revised Contents Page 2

EXECUTIVE SUMMARY

Introduction

This tariff filing expands the transport capabilities associated with LightGate Service and SMARTRing Service arrangements in the Private Line Services Tariff.

LightGate Service and SMARTRing Service customers have a need for enhanced capabilities to meet their ever-increasing data communication requirements.

Service Description

LightGate Service and SMARTRing Service in the Private Line Services Tariff provide customers with SONET ring transport arrangements from those of an OC-3 (3 DS3 capacity) up through an OC-192 (192 DS3 capacity). These SONET transport arrangements have varying interface capabilities from the DS1 level up through the OC-48 level. In the case of OC-48+ and OC-192+ SMARTRing Service, a DS3 interface is the lowest level that is available.

With this filing, new 100 Mbps, 1000 Mbps and various Fractional 1000 Mbps interfaces are being introduced for LightGate Service and SMARTRing Service.

Also, SMARTRing Service is being modified to include the capability for a customer to utilize all or part of a ring to configure a Virtual Packet Ring(s) (VPR). A VPR provides the capability for a customer to transport Basic Shared Ethernet LAN traffic. This LAN traffic would be transported on the VPR via new Basic Shared Ethernet LAN Access Links that are available at 10 Mbps, 100 Mbps and various Fractional 1000 Mbps speeds.

The introduction of the new interfaces for these services and the capability for the VPR for SMARTRing Service will serve to meet customer's growing data transport needs.

Revenue Impact

The revenue for these services will cover costs.

ISSUED: ~~April 27, 2006~~ ~~March 30, 2005~~

EFFECTIVE: ~~May 12, 2006~~ ~~April 14, 2005~~

BY: ~~Joseph P. Lacher~~ Marshall M Criser III, President - FL
Miami, Florida

B7. DIGITAL NETWORK SERVICE

B7.4 LightGate Service (Cont'd)

B7.4.1 General (Cont'd)

- C. Channel interface availability varies with system size and transport architecture (asynchronous vs. synchronous). The following table lists the channel interfaces available with each LightGate service System.

Local Channel Systems:

	Asynchronous		Synchronous			
	LG1	STS-1	OC-3	OC-12	OC-48	OC-192
Customer Channel Interfaces						
DS1	Yes	Yes	Yes	No	Yes ¹	Yes ¹
Flex DS1	No	No	No	Yes ²	Yes ²	Yes ²
DS3	Yes	No	Yes	Yes	Yes	Yes ¹
DS3 Asymmetrical with DS1	No	No	Yes	No	No	No
DS3 Asymmetrical with Flex DS1	No	No	No	Yes ²	Yes ²	Yes ²
STS-1	No	Yes	Yes	Yes	Yes	Yes ¹
OC-3	No	No	Yes	Yes	Yes	Yes
OC-12	No	No	No	No	Yes	Yes
OC-48	No	No	No	No	No	Yes
10 Mbps	No	No	Yes³ No	Yes ³	Yes ³	Yes ³
100 Mbps	No	No	Yes³ No	Yes ³	Yes ³	Yes ³
1000 Mbps	No	No	No	No	Yes ⁴	Yes ⁴
Fractional 1000 Mbps at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps	No	No	Yes³ No	Yes ³	Yes ³	Yes ³
Fractional 1000 Mbps at 600 Mbps	No	No	No	No	Yes ³	Yes ³
Central Office Channel Interfaces						
DS1	Yes	Yes	Yes	No	Yes¹	Yes¹
Flex DS1	No	No	No	Yes²	Yes²	Yes²
DS3	Yes	No	Yes	Yes	Yes	Yes¹
DS3 Asymmetrical with DS1	No	No	Yes	No	No	No
DS3 Asymmetrical with Flex DS1	No	No	No	Yes²	Yes²	Yes²
STS-1	No	Yes	Yes	Yes	Yes	No
OC-3	No	No	Yes	Yes	Yes	Yes
OC-12	No	No	No	No	Yes	Yes
OC-48	No	No	No	No	No	Yes
28 DS1 Channel System	No	No	No	Yes	Yes	Yes¹
STS-1 Channel System	No	No	No	Yes	Yes	Yes¹

Note 1: Available only for systems installed on or after October 20, 2003. The maximum number of DS1 Circuits available in a system is ~~96~~108.

Note 2: Available only for systems installed on or after April 14, 2005. The maximum number of Flex DS1 circuits available in a system is ~~108~~96.

Note 3: Available only for OC-12, OC-48 or OC-192 systems installed on or after December 3, 2004, that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer. 10 Mbps, 100 Mbps and Fractional 1000 Mbps at 50 Mbps interfaces are available for OC-3 systems only that were installed on or after May 12, 2006. 100 Mbps interface service components are further defined regarding the number of STS-1s used to provision the interface.

Material previously appearing on this page now appears on page(s) 35.1.0.1 of this section.

BELLSOUTH
TELECOMMUNICATIONS, INC.
FLORIDA

PRIVATE LINE SERVICES TARIFF

Fourth ~~Third~~ Revised Page 35.1
Cancels Third ~~Second~~ Revised Page 35.1

ISSUED: April 27, 2006 ~~March 30, 2005~~

EFFECTIVE: May 12, 2006 ~~April 14, 2005~~

BY: ~~Joseph P. Lacher~~ Marshall M Criser III, President - FL
Miami, Florida

Note 4: Available only for systems installed on or after October 20, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

Material previously appearing on this page now appears on page(s) 35.1.0.1 of this section.

:

All BellSouth marks contained herein and as set forth in the trademarks and servicemarks section of this Tariff are owned by BellSouth Intellectual Property Corporation.

FLORIDA

ISSUED: April 27, 2006

EFFECTIVE: May 12, 2006

BY: Marshall M. Criser III, President -FL

Miami, Florida

B7. DIGITAL NETWORK SERVICE

B7.4 LightGate Service (Cont'd)

B7.4.1 General (Cont'd)

C. Channel interface availability varies with system size and transport architecture (asynchronous vs. synchronous). The following table lists the channel interfaces available with each LightGate service System. (Cont'd)

Local Channel Systems: (Cont'd)

	<u>Asynchronous</u>		<u>Synchronous</u>			
	<u>LG1</u>	<u>STS-1</u>	<u>OC-3</u>	<u>OC-12</u>	<u>OC-48</u>	<u>OC-192</u>
<u>Central Office Channel Interfaces</u>						
<u>DS1</u>	<u>Yes</u>	<u>Yes</u>	<u>Yes</u>	<u>No</u>	<u>Yes¹</u>	<u>Yes¹</u>
<u>Flex DS1</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>Yes²</u>	<u>Yes²</u>	<u>Yes²</u>
<u>DS3</u>	<u>Yes</u>	<u>No</u>	<u>Yes</u>	<u>Yes</u>	<u>Yes</u>	<u>Yes¹</u>
<u>DS3 Asymmetrical with DS1</u>	<u>No</u>	<u>No</u>	<u>Yes</u>	<u>No</u>	<u>No</u>	<u>No</u>
<u>DS3 Asymmetrical with Flex DS1</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>Yes²</u>	<u>Yes²</u>	<u>Yes²</u>
<u>STS-1</u>	<u>No</u>	<u>Yes</u>	<u>Yes</u>	<u>Yes</u>	<u>Yes</u>	<u>No</u>
<u>OC-3</u>	<u>No</u>	<u>No</u>	<u>Yes</u>	<u>Yes</u>	<u>Yes</u>	<u>Yes</u>
<u>OC-12</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>Yes</u>	<u>Yes</u>
<u>OC-48</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>Yes</u>
<u>28 DS1 Channel System</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>Yes</u>	<u>Yes</u>	<u>Yes¹</u>
<u>STS-1 Channel System</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>Yes</u>	<u>Yes</u>	<u>Yes¹</u>

Note 1: Available only for systems installed on or after October 20, 2003. The maximum number of DS1 Circuits available in a system is 108.

Note 2: Available only for systems installed on or after April 14, 2005. The maximum number of Flex DS1 circuits available in a system is 108.

Note 3: Available only for OC-12, OC-48 or OC-192 systems installed on or after December 3, 2004 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer. 10 Mbps, 100 Mbps and Fractional 1000 Mbps at 50 Mbps interfaces are available for OC-3 systems installed on or after May 12, 2006. 100 Mbps interface service components are further defined regarding the number of STS-1s used to provision the interface.

Note 4: Available only for systems installed on or after December 2, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

Material appearing on this page previously appeared on page(s) 35.1 of this section.

B7. DIGITAL NETWORK SERVICE

B7.4 LightGate Service (Cont'd)

B7.4.1 General (Cont'd)

C. (Cont'd)

Local Channel Systems:

	Asynchronous		Synchronous			
	LG1	STS-1	OC-3	OC-12	OC-48	OC-192
Central Office Channel Interfaces (Cont'd)						
OC-3 Channel System	No	No	No	Yes	Yes	Yes
OC-12 Channel System	No	No	No	No	No	Yes
OC-48 Channel System	No	No	No	No	No	Yes
10 Mbps	No	No	Yes ³ No	Yes ¹	Yes ¹	Yes ¹
100 Mbps	No	No	Yes ³ No	Yes ¹	Yes ¹	Yes ¹
1000 Mbps	No	No	No	No	Yes ²	Yes ²
Fractional 1000 Mbps at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps	No	No	Yes ³ No	Yes ¹	Yes ¹	Yes ¹
Fractional 1000 Mbps at 600 Mbps	No	No	No	No	Yes ¹	Yes ¹

Interoffice Channel Systems:

Central Office Channel Interfaces

DS1	No	No	No	No	No	No
DS3	Yes	No	Yes	Yes	Yes	Yes ³
STS-1	No	Yes	Yes	Yes	Yes	Yes ³
OC-3	No	No	Yes	Yes	Yes	Yes
OC-12	No	No	No	Yes	Yes	Yes
OC-48	No	No	No	No	Yes	Yes
28 DS1 Channel System	Yes	No	Yes	Yes	Yes	Yes ³
STS-1 Channel System	No	Yes	Yes	Yes	Yes	Yes ³
OC-3 Channel System	No	No	Yes	Yes	Yes	Yes
OC-12 Channel System	No	No	No	No	No	Yes
OC-48 Channel System	No	No	No	No	No	Yes
10 Mbps	No	No	No	Yes ¹	Yes ¹	Yes ¹
100 Mbps	No	No	No	Yes ¹	Yes ¹	Yes ¹
1000 Mbps	No	No	No	No	Yes ²	Yes ²
Fractional 1000 Mbps at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps	No	No	No	Yes ¹	Yes ¹	Yes ¹
Fractional 1000 Mbps at 600 Mbps	No	No	No	No	Yes ¹	Yes ¹

Note 1: Available only for *OC-12, OC-48 or OC-192* systems installed on or after December 3, 2004, that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer. 10 Mbps, 100 Mbps and Fractional 1000 Mbps at 50 Mbps interfaces are available for OC-3 systems only that were installed on or after May 12, 2006. 100 Mbps interface service components are further defined regarding the number of STS-1s used to provision the interface.

Note 2: Available only for systems installed on or after October 20, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

Note 3: Available only for systems installed on or after October 20, 2003.

B7. DIGITAL NETWORK SERVICE

B7.4 LightGate[®] Service (Cont'd)

B7.4.5 Rates and Charges (Cont'd)

A. LightGate[®] service Local Channel Systems (Cont'd)

The Basic System includes photonic common equipment and first one-half air mile of local channel fiber optic facilities.

7. Central Office Channel Interfaces

	Nonrecurring Charge	Month to Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
(a) Per DS1	\$125.00	\$24.00	\$20.00	\$17.00	\$16.00	1PQE8
(b) Per DS3	125.00	115.00	95.00	90.00	85.00	1PQE3
(c) Per DS3 (Asymmetrical with DS1/Flex DS1)	290.00	500.00	390.00	365.00	350.00	1PQEG
(d) Per STS-1	125.00	175.00	140.00	130.00	120.00	1PQE4
(e) Per OC-3 (2 Fiber)	200.00	240.00	190.00	175.00	160.00	1PQE5
(f) Per OC-3 (4 Fiber)	200.00	425.00	330.00	300.00	270.00	1PQE6
(g) Per OC-12 (2 Fiber)	360.00	640.00	495.00	450.00	405.00	1PQEE
(h) Per OC-12 (4 Fiber)	400.00	1,280.00	990.00	900.00	810.00	1PQED
(i) Per OC-48 (2 Fiber)	500.00	1,600.00	1,325.00	1,215.00	1,050.00	1PQEO
(j) Per OC-48 (4 Fiber)	500.00	3,200.00	2,650.00	2,430.00	2,100.00	1PQEF
(k) Per 28 DS1 Channel System	125.00	600.00	490.00	465.00	450.00	MQ3CO
(l) Per DS1 on 28 DS1 Channel System	125.00	15.00	8.00	7.00	6.00	1PQEA
(m) Per STS-1 Channel System	125.00	600.00	490.00	465.00	450.00	1PQE7
(n) Per OC-3 Channel System	125.00	1,325.00	1,100.00	1,000.00	900.00	1PQE9
(o) Per OC-12 Channel System	125.00	2,650.00	2,200.00	2,000.00	1,800.00	1PQ12
(p) Per OC-48 Channel System	125.00	5,490.00	4,410.00	4,050.00	3,510.00	1PQ48
(q) Per 1000 Mbps ¹	400.00	740.00	520.00	475.00	425.00	1PQEK
(r) Per 10 Mbps ²	450.00	500.00	175.00	155.00	140.00	1PQEH
(s) Per 100 Mbps <u>(3 STS-1)²</u>	450.00	540.00	210.00	190.00	170.00	1PQEJ
(t) Per Fractional 1000 Mbps ²						
- 50 Mbps	450.00	520.00	190.00	170.00	150.00	1PQEM
- 150 Mbps	450.00	560.00	230.00	210.00	190.00	1PQEN
- 300 Mbps	450.00	600.00	300.00	280.00	260.00	1PQER
- 450 Mbps	450.00	640.00	340.00	310.00	290.00	1PQES
- 600 Mbps	450.00	700.00	380.00	340.00	320.00	1PQET
(u) Per Flex DS1	130.00	24.00	20.00	17.00	16.00	1PQEQ

Note 1: Available only for systems installed on or after October 20, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

Note 2: Available only for systems installed on or after December 3, 2004, that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

B7. DIGITAL NETWORK SERVICE

B7.4 LightGate Service (Cont'd)

B7.4.5 Rates and Charges (Cont'd)

A. LightGate service Local Channel Systems (Cont'd)

The Basic System includes photonic common equipment and first one-half air mile of local channel fiber optic facilities.
(Cont'd)

8. Customer Channel Interfaces

	Nonrecurring Charge	Month to Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
(a) Per DS1	\$170.00	\$24.00	\$20.00	\$17.00	\$16.00	1PQF1
(b) Per DS3	125.00	115.00	95.00	90.00	85.00	1PQF3
(c) Per DS3 (Asymmetrical with DS1/Flex DS1)	280.00	500.00	390.00	365.00	350.00	1PQFG
(d) Per STS-1	125.00	240.00	195.00	185.00	175.00	1PQF4
(e) Per OC-3 (2 Fiber)	125.00	240.00	190.00	175.00	160.00	1PQF5
(f) Per OC-3 (4 Fiber)	125.00	475.00	380.00	350.00	320.00	1PQF6
(g) Per OC-12 (2 Fiber)	275.00	715.00	570.00	525.00	480.00	1PQF8
(h) Per OC-12 (4 Fiber)	275.00	1,430.00	1,140.00	1,050.00	960.00	1PQF7
(i) Per OC-48 (2 Fiber)	300.00	1,600.00	1,325.00	1,215.00	1,050.00	1PQF2
(j) Per OC-48 (4 Fiber)	300.00	3,200.00	2,650.00	2,430.00	2,100.00	1PQFO
(k) Per 1000 Mbps <u>850 nm Multi-mode</u> ¹	400.00	740.00	520.00	475.00	425.00	1PQFK
(l) Per 1000 Mbps 1310 nm Single-mode ¹	400.00	740.00	520.00	475.00	425.00	1PQ3K
(m) Per 10 Mbps <u>(3 STS-1) - Electrical</u> ²	450.00	500.00	175.00	155.00	140.00	1PQFH
(n) Per 100 Mbps ²	450.00	540.00	210.00	190.00	170.00	1PQFJ
(o) Per 100 Mbps (3 STS-1) - 1310 nm Single-mode ²	450.00	540.00	210.00	190.00	170.00	1PQ3J
(p) Per Fractional 1000 Mbps ²						
- 50 Mbps <u>850 nm Multi-mode</u>	450.00	520.00	190.00	170.00	150.00	1PQFM
- 50 Mbps 1310 nm Single-mode	450.00	520.00	190.00	170.00	150.00	1PQ3M
- 150 Mbps <u>850 nm Multi-mode</u>	450.00	560.00	230.00	210.00	190.00	1PQFN
- 150 Mbps 1310 nm Single-mode	450.00	560.00	230.00	210.00	190.00	1PQ3N
- 300 Mbps <u>850 nm Multi-mode</u>	450.00	600.00	300.00	280.00	260.00	1PQFR
- 300 Mbps 1310 nm Single-mode	450.00	600.00	300.00	280.00	260.00	1PQ3R
- 450 Mbps <u>850 nm Multi-mode</u>	450.00	640.00	340.00	310.00	290.00	1PQFS
- 450 Mbps 1310 nm Single-mode	450.00	640.00	340.00	310.00	290.00	1PQ3S
- 600 Mbps <u>850 nm Multi-mode</u>	450.00	700.00	380.00	340.00	320.00	1PQFT
- 600 Mbps 1310 nm Single-mode	450.00	700.00	380.00	340.00	320.00	1PQ3T
(q) Per Flex DS1	260.00	24.00	20.00	17.00	16.00	1PQFQ

B. LightGate service Local Channel Mileage³

1. Mileage for all LightGate service Local Channel Systems

(a) First one-half mile (included in system charge)	=	=	=	=	=	NA
(b) Each additional one-half mile	NA	225.00	190.00	170.00	150.00	1LPEA

Note 1: Available only for systems installed on or after October 20, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

Note 2: Available only for systems installed on or after December 3, 2004, that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

Note 3: Month to month rates are only available at the end of a contract rate period.

B7. DIGITAL NETWORK SERVICE B7.6 Reserved for Future Use

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service

B7.7.1 General

- A. SMARTRing service is a dedicated, high capacity, network designed to provide increased reliability and functionality via a self-healing ring topology between multiple customer designated locations and Company Central Offices where facilities can be made available as determined by the Company. This service is provided via diversely routed facilities utilizing SONET technology and DS1 and DS3 electrical interfaces. This network consists of fiber routed through local, alternate central office, internodal and/or interoffice channel facilities that transmit DS1, DS3, STS-1, OC-3, OC-12 and/or OC-48 channel services simultaneously over primary and alternate paths between customer designated locations and Company Central Offices. This ring topology will continually monitor DS1, DS3, STS-1, OC-3, OC-12 and/or OC-48 service quality, detect any failure within the system, and automatically self-heal itself around a point of failure to ensure the flow of DS1, DS3, STS-1, OC-3, OC-12 and/or OC-48 Services between locations within the self-healing network. SMARTRing service further provides an adjunct optional feature and function capability for the establishment of a virtual packet ring which may be utilized for the transport of Basic Shared Ethernet LAN traffic on a best effort basis. For locations where a customer requests SMARTRing service and facilities are not available, construction charges will apply as set forth in Section B5. of this Tariff for cases involving extraordinary cost.

- B. SMARTRing service is available at OC-3, OC-3+, OC-12, OC-48, OC-48+, OC-192 and OC-192+ capacities. OC-3 SMARTRing service is available as an individual service or in an Overlay Ring Arrangement riding the customer's host OC-12, OC-48, OC-48+, OC-192, or OC-192+ SMARTRing service. OC-3 SMARTRing service provides an equivalent capacity of 3 DS3s, or any combination thereof not to exceed an OC-3 capacity.

Channel Interface Capacity Reallocation allows the customer to reallocate channel interfaces on a node subsequent to the initial installation of the channel interfaces.

Effective December 3, 2004, OC-3+ SMARTRing service is not available for new individual service installations. Existing OC-3+ SMARTRing service installed as an individual service, or in combination with OC-12 SMARTRing service, as of December 3, 2004, may continue in place. OC-3+ SMARTRing service Overlay Ring Arrangements riding the customer's host OC-48, OC-48+, OC-192 or OC-192+ SMARTRing service are available for host rings installed prior to December 3, 2004. OC-3+ SMARTRing service provides an equivalent OC-3 capacity, not to exceed 3 DS3s at each node, with a maximum ring capacity of 12 DS3s, not to exceed an OC-12 ring capacity.

When a customer orders OC-3+ SMARTRing service in combination with OC-12 SMARTRing service, capacity and channel interface availability at each Customer Node and Central Office Node location is determined by the size node ordered by the customer.

OC-12 SMARTRing service is available as an individual service, or in combination with OC-3+ SMARTRing service, or in an Overlay Ring Arrangement riding the customer's host OC-48, OC-48+, OC-192, or OC-192+ SMARTRing service. OC-12 SMARTRing service provides an equivalent capacity of 12 DS3s.

OC-48 SMARTRing service is available as an individual service, or with overlaying rings in capacities of OC-3, OC-3+ and/or OC-12 or in an Overlay Ring Arrangement riding the customer's OC-192 or OC-192+ SMARTRing service. OC-48 SMARTRing service provides an equivalent capacity of 48 DS3s.

OC-48+ SMARTRing service is available as an individual bi-directional service, or with overlaying rings in capacities of OC-3, OC-3+ or OC-12, or in an Overlay Ring Arrangement riding the customer's OC-192+ SMARTRing service. It provides equivalent capacity of 24 DS3s between consecutive node locations on the ring. The maximum capacity of the OC-48+ SMARTRing service is determined by the number of Customer and Central Office nodes on the ring. For OC-48+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), the Flex DS1 capability may involve locked STS-1s between two nodes due to the bi-directional attributes of the ring. As such, the quantity of Flex DS1s on an OC-48+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) and their associated attributes are based on equipment capabilities and the customer's service configuration.

OC-192 SMARTRing service is available as an individual service, or with overlaying rings in capacities of OC-3, OC-3+, OC-12 and/or OC-48. OC-192 SMARTRing service provides an equivalent capacity of 192 DS3s.

OC-192+ SMARTRing service is available as an individual bi-directional service, or with overlaying rings in capacities of OC-3, OC-3+, OC-12, OC-48 and/or OC-48+. It provides equivalent capacity of 96 DS3s between consecutive node locations on the ring. The maximum capacity of the OC-192+ SMARTRing service is determined by the number of Customer and Central Office nodes on the ring. For OC-192+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), the Flex DS1 capability may involve locked STS-1s between two nodes due to the bi-directional attributes of the ring. As such, the quantity of Flex DS1s on an OC-192+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) and their associated attributes are based on equipment capabilities and the customer's service configuration.

B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

B7.7.1 General (Cont'd)

B. (Cont'd)

SMARTRing service Channel Interfaces are available as follows:

<u>Channel Interfaces</u>	<u>NODES</u>							
	<u>OC-3</u>	<u>OC-3+</u>	<u>OC-12</u>	<u>OC-48</u>	<u>OC-48+</u>	<u>OC-192</u>	<u>OC-192+</u>	
DS1	Yes	Yes	No ¹	Yes ¹	No ¹	Yes ¹	No ¹	
DS3	Yes	Yes	Yes	Yes	Yes	Yes	Yes ²	
STS-1	Yes	Yes	Yes	Yes	Yes	Yes	Yes ²	
OC-3	No	No	Yes	Yes	Yes	Yes	Yes	
OC-12	No	No	No	Yes	Yes	Yes	Yes	
OC-48	No	No	No	No	No	Yes	Yes	
28 DS1 Channel System (DS3)	Yes	Yes	Yes	Yes	Yes	Yes	Yes ²	
28 DS1 Channel System (STS-1)	Yes	Yes	Yes	Yes	Yes	Yes	Yes ²	
DS3 (Asymmetrical with DS1)	Yes	Yes	No	No	No	No	No	
DS3 (Asymmetrical with Flex DS1)	No	No	Yes	Yes	Yes	Yes	Yes	
DS1 Within an STS-1 Asymmetrical Arrangement	Yes	Yes	No	No	No	No	No	
1000 Mbps	No	No	No	Yes ²	Yes ²	Yes	Yes ²	
10 Mbps	Yes³ No	No	Yes ³	Yes ³	Yes ³	Yes ³	Yes ³	
100 Mbps	No	No	Yes ³	Yes ³	Yes ³	Yes ³	Yes ³	
Fractional 1000 Mbps at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps	Yes³ No	No	Yes ³	Yes ³	Yes ³	Yes ³	Yes ³	
Fractional 1000 Mbps at 600 Mbps	No	No	No	Yes ³	Yes ³	Yes ³	Yes ³	
Flex DS1 ⁵⁴	No	No	Yes	Yes	Yes ⁵⁵	Yes	Yes ⁵⁵	

Note 1: DS1 interfaces are available via OC-3, OC-3+ or 28 DS1 Channel System arrangements only for OC-12, OC-48+ and OC-192+ nodes and for OC-48, OC-48+ and OC-192+ SMARTRing service Nodes installed prior to October 20, 2003. For OC-48 and OC-192 nodes, installed on or after that date to December 3, 2004, DS1 interfaces are available with a maximum quantity per node of 108.

Note 2: DS3, STS-1, channel systems and 1000 Mbps interfaces are only available for nodes installed after October 20, 2003. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

Note 3: 10 Mbps and Fractional 1000 Mbps at 50 Mbps interfaces only are available on OC-3 rings installed on or after May 12, 2006.

Note 4: Available on rings installed on or after December 3, 2004. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

Note 54: Effective December 3, 2004, DS1 interfaces for OC-12, OC-48 or OC-192 rings install on or after this date will be installed as a Flex DS1 interface. The maximum number of DS1 circuits available in a system is 108.

Note 55: Flex DS1 capabilities are as described previously in this Section for OC-48+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) and OC-192+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). The maximum number of DS1 circuits available in a system is 108.

B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

B7.7.1 General (Cont'd)

- C. SMARTRing service is connectible at Company central offices to any compatible high capacity service as provided in Section B7. of this Tariff and to Broadband Exchange Line Service at compatible data rates (e.g., 1.586 Mbps) as provided in Section A40.5 of the General Subscriber Service Tariff. Rates and charges for such other services are as set forth in the applicable sections of this Tariff for such other services.
- D. The customer must provide suitable floor space, controlled environment, and source of non-switched suitable power to support this service.
- E. Where the customer provides two separate entrance facility cable routes for SMARTRing service, the primary and alternate entrance facilities will be separate and will enter the customer node over such different routes. When the customer requests a connection at a Customer Node via two Local Channels and Telephone Company facilities do not exist for the second Local Channel, the Telephone Company may provide an equivalent second Local Channel via an existing alternate route. When facilities become available for the second Local Channel, the Telephone Company may rearrange the alternate route at any time.
- F. The compatibility requirements, technical specifications, and generic requirements for SMARTRing service terminated at the customer's designated locations are referenced in Technical Reference ANSI T1.404-1989, and ANSI T1.403-1989.
- G. DS3 interface combinations and technical specifications are referenced in Bellcore TR-INS-000342.
- H. DS1 interface combinations and technical specifications are referenced in Bellcore TR-NPL-000054.
- I. SMARTRing service DS3 high capacity service channels have a performance objective of 99.5 percent error-free seconds over a continuous twenty-four hour period. Self-healing multi-nodal DS1 high capacity service channels have a performance objective of 99.95 percent error-free seconds over a continuous twenty-four hour period.
- J. SMARTRing service OC-3, OC-3+, OC-12, OC-48, OC-48+, OC-192 or OC-192+ capacity installed on or after June 3, 1994, is also available with FlexServ service Customer Network Management (CNM) under the rates and regulations set forth following. FlexServ service CNM is available with two options: (1) Surveillance or (2) Reconfiguration. Customers wishing to incorporate either of these capabilities into their SMARTRing service should advise the Telephone Company at the time the initial service is requested. When the customer requests to add either FlexServ service option subsequent to the initial service installation, a SMARTRing service Rearrangement charge applies as set forth in 7.5.14 following. Customers who desire to only monitor their rings may order only Surveillance. However, customers who order Reconfiguration must already be subscribing to Surveillance or be ordering Surveillance coincident with Reconfiguration. Reconfiguration may not be ordered without Surveillance.

Reconfiguration is provided on a per STS-1 basis. Within each STS-1 group, all activated interfaces must be optioned the same (either all Surveillance only or all Surveillance and Reconfiguration). Customers who wish to utilize this service to reconfigure DS1 interfaces must purchase the FlexServ service Reconfiguration option for all DS1 interfaces associated with the STS-1 group with which the customer desires to have equipped with FlexServ service capability.

When the customer orders Reconfiguration, the customer must order a sufficient quantity of SMARTRing service channel interfaces at every Customer Node and Central Office Node where reconfiguration capability is desired.

- K. SMARTRing service ordered and installed after May 4, 2006, is available with an optional feature and function capability in which a customer may utilize all or part of his SMARTRing service to establish an adjunct virtual packet ring. A virtual packet ring is separate and apart from the SONET capabilities associated with high capacity channel transport via DS1 through OC-48 interfaces. A virtual packet ring provides the capability for a customer to transport Ethernet LAN traffic utilizing Basic Shared Ethernet LAN Access Links that have best effort service capabilities in which the throughput associated with a virtual packet ring are controlled/affected by the customer's traffic and network configuration.

SMARTRing service Basic Shared Ethernet LAN Access Links are available based on equipment capability and a customer's requested service configuration. Upon a customer request for Basic Shared Ethernet LAN Access Links, equipment capability associated with the requested configuration shall be determined. Upon successful determination of the functionality of the customer's requested arrangement, the requested service shall be made available.

Basic Shared Ethernet LAN Access Links are further defined per TR 73582. Basic Shared Ethernet LAN Access Links are available only at Customer Nodes.

B7.7.2 Application of Rates

- A. ~~Monthly rates and charges as specified in B7.7.4 following apply for each SMARTRing service. Customers must specify network capacity at the time of the initial order. In an Overlay Ring Arrangement where a customer's overlaying SMARTRing service rides the customer's host SMARTRing service, the overlay ring will share the transport of the host ring between~~

Material previously appearing on this page now appears on page(s) 59.3 of this section.

BELLSOUTH
TELECOMMUNICATIONS, INC.
FLORIDA

PRIVATE LINE SERVICES TARIFF Third Revised Page 59.1~~Second Revised Page 59.1~~
~~Cancels Second Revised Page 59.1~~~~Cancels First Revised Page 59.1~~

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~~common node locations. Rate categories at OC 3, OC 3+, OC 12, OC 48, OC 48+ and OC 192+ capacity levels include Customer Nodes, Central Office Nodes, Local Channels, Alternate Central Office Channels, Interoffice Channels and Internodal Channels. Channel Interfaces are required at each node on the network and must be associated with a SMARTRing service. An OC 3 Overlay Ring Arrangement requires an OC 3 Channel Interface at each node involved. An OC 3+ or OC 12 Overlay Ring Arrangement requires an OC 12 Channel Interface at each node involved. An OC 48/OC 48+ Overlay Ring arrangement requires an OC 48 Channel Interface at each node involved. In Overlay Ring Arrangements, the customer must order a Channel Interface for each entry to or exit from the host ring. In all other situations, the number of Channel Interfaces ordered will depend on whether the customer desires a working interface, or a working interface and a protection interface. The quantity of channel interfaces ordered may not exceed the capacity ordered. When a 28 DS1 Channel System is utilized to activate DS1 channels, the appropriate number of DS1 Channel Interfaces are required in lieu of an originating or terminating DS3 Channel Interface. SMARTRing service interfaces may be ordered as asymmetrical (i.e., a circuit enters one node at a lower level interface and exits at another node at a higher level interface).~~

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B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service
(Cont'd)

B7.7.1 General (Cont'd)

K. (Cont'd)

10 Mbps Basic Shared Ethernet LAN, 100 Mbps Basic Shared Ethernet LAN and/or Fractional 1000 Mbps Basic Shared Ethernet LAN Customer Channel Interfaces provide multipoint functionality, i.e., Ethernet frames are delivered to two or more locations on a customer's SMARTRing service on a best effort basis. This is a multipoint connection with a bandwidth defined by a Virtual Packet Ring. A Virtual Packet Ring Connection is the medium by which two or more locations exchange Ethernet frames. The bandwidth of the Virtual Packet Ring Connection is determined by the number of STS1's reserved for the Virtual Packet Ring Connection. In order for a customer to access the Virtual Packet Ring, SMARTRing service Customer Nodes must have a 10 Mbps Basic Shared Ethernet LAN, 100 Mbps Basic Shared Ethernet LAN and/or Fractional 1000 Mbps Basic Shared Ethernet LAN interface.

SMARTRing service Basic Shared Ethernet LAN Access Links are available as follows:

Access Links	NODES						
	OC-3	OC-3+	OC-12	OC-48	OC-48+	OC-192	OC-192+
10 Mbps Basic Shared Ethernet LAN Access Link - Electrical	No	No	Yes ¹				
100 Mbps Basic Shared Ethernet LAN Access Link - Electrical	No	No	Yes ¹				
100 Mbps Basic Shared Ethernet LAN Access Link - Optical	No	No	Yes ¹				
Fractional 1000 Mbps Basic Shared Ethernet LAN Access Link - Optical at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps	No	No	Yes ¹				
Fractional 1000 Mbps Basic Shared Ethernet LAN Access Link - Optical at 600 Mbps	No	No	No	Yes ¹	Yes ¹	Yes ¹	Yes ¹

The Virtual Packet Ring sizes available for the various SMARTRing service rings capacities and the Basic Shared Ethernet Access Links available on a Virtual Packet Ring are as follows:

SMARTRing Service Ring Capacity	VIRTUAL PACKET RING SIZE (MBPS)					
	50	150	300	450	600	1000
OC-12	Yes	Yes	Yes	Yes	No	No
OC-48 or OC-48+	Yes	Yes	Yes	Yes	Yes	Yes
OC-192 or OC-192+	Yes	Yes	Yes	Yes	Yes	Yes

Basic Shared Ethernet Channel Interfaces	VIRTUAL PACKET RING SIZE (MBPS)					
	50	150	300	450	600	1000
10 Mbps Basic Shared Ethernet LAN Access Link - Electrical	Yes	Yes	Yes	Yes	Yes	Yes
100 Mbps Basic Shared Ethernet LAN Access Link - Electrical	No	Yes	Yes	Yes	Yes	Yes
100 Mbps Basic Shared Ethernet LAN Access Link - Optical	No	Yes	Yes	Yes	Yes	Yes
Fractional 1000 Mbps Basic Shared Ethernet LAN Access Link:						
- Optical at 50 Mbps	No	Yes	Yes	Yes	Yes	Yes
- Optical at 150 Mbps	No	No	Yes	Yes	Yes	Yes
- Optical at 300 Mbps	No	No	No	Yes	Yes	Yes
- Optical at 450 Mbps	No	No	No	No	Yes	Yes
- Optical at 600 Mbps	No	No	No	No	No	Yes

Note 1: Available for rings installed on or after May 12, 2006.

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B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service **(Cont'd)**

(N)

(N)

B7.7.2 Application of Rates

(M)

- A. Monthly rates and charges as specified in B7.7.4 following apply for each SMARTRing service. Customers must specify network capacity at the time of the initial order. In an Overlay Ring Arrangement where a customer's overlaying SMARTRing service rides the customer's host SMARTRing service, the overlay ring will share the transport of the host ring between common node locations. Rate categories at OC-3, OC-3+, OC-12, OC-48, OC-48+ and OC-192+ capacity levels include Customer Nodes, Central Office Nodes, Local Channels, Alternate Central Office Channels, Interoffice Channels and Internodal Channels. Channel Interfaces are required at each node on the network and must be associated with a SMARTRing service. An OC-3 Overlay Ring Arrangement requires an OC-3 Channel Interface at each node involved. An OC-3+ or OC-12 Overlay Ring Arrangement requires an OC-12 Channel Interface at each node involved. An OC-48/OC-48+ Overlay Ring arrangement requires an OC-48 Channel Interface at each node involved. In Overlay Ring Arrangements, the customer must order a Channel Interface for each entry to or exit from the host ring. In all other situations, the number of Channel Interfaces ordered will depend on whether the customer desires a working interface, or a working interface and a protection interface. The quantity of channel interfaces ordered may not exceed the capacity ordered. When a 28 DS1 Channel System is utilized to activate DS1 channels, the appropriate number of DS1 Channel Interfaces are required in lieu of an originating or terminating DS3 Channel Interface. SMARTRing service interfaces may be ordered as asymmetrical (i.e., a circuit enters one node at a lower level interface and exits at another node at a higher level interface).

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Material appearing on this page previously appeared on page(s) 59.1 of this section.

B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

B7.7.2 Application of Rates (Cont'd)

G. (Cont'd)

7. (Cont'd)

- b. The customer's SMARTRing service, to which the network services are reconfigured, must be ordered under a CSPP. However, individual DS1 and/or DS3 channel interfaces associated with SMARTRing service may be provided under month-to-month terms if the existing services were provided under month-to-month rates.
- c. Special promotional waivers will be processed as projects for each customer designated location, and all associated connect and disconnect orders must be placed at the same time. Reconfiguration work must be completed within twelve months of the customer order date. Only one reconfiguration plan will be permitted per customer location.
- d. Special promotional waivers shall not apply when the service is moved by the customer from one location to another.
- e. In the event the SMARTRing service is disconnected at the customer's request prior to the expiration of the CSPP, full nonrecurring charges associated with ring level billing will apply.

H. SMARTRing service Local Channel, Alternate Central Office Channel and Internodal Channel rates are distance sensitive. They are measured per quarter airline mile or fraction thereof from the customer's designated premises to the Serving Wire Center, Alternate Central Office, or other Customer Nodes. V&H coordinates are derived for each customer location through the use of longitude and latitude measurements. Using the V&H coordinate method as set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4, compute the mileage, convert to quarter miles, and multiply the appropriate per quarter mile rate by the distance involved. Any portion of a quarter mile will always round up to the next quarter mile before determining the mileage and applying the rate. For channels which are less than one quarter mile, a minimum charge of one quarter mile applies.

I. The SMARTRing service Interoffice Channel mileage is calculated per quarter airline mile between two directly connected central offices on the ring. Interoffice Channel mileage is computed by using the V&H coordinates method as set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4. To determine the rate to be billed, multiply the appropriate per quarter mile rate by the distance involved. Fractions of a quarter mile always round up to the next quarter mile before determining the mileage and applying the rate. For channels which are less than one quarter mile, a minimum charge of one quarter mile applies.

J. A nonrecurring charge applies for SMARTRing service Surveillance, one for each Customer Node and each Central Office Node, per SMARTRing service rearranged. A nonrecurring charge applies for Reconfiguration, one per reconfiguration of each STS-1 group at each node where such reconfiguration capability is desired. These rate elements apply when the Customer adds FlexServ service to an existing SMARTRing service.

K. For SMARTRing service configured with a Virtual Packet Ring(s), an individual VPR requires multiple (i.e., two or more) Basic Shared Ethernet LAN Access Links.

B7.7.3 Architecture

A. SMARTRing Service

B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

B7.7.3 Architecture (Cont'd)

A. SMARTRing Service (Cont'd)

The SMARTRing service configuration utilizes a multi-nodal ring architecture which is specified jointly by the Company and the customer. The minimum configuration provides dedicated DS3 (44.736 Mbps) and/or DS1 digital services and must include at least three nodes. One node must be a Central Office Node in Company Central Office. The remaining two nodes may be either Central Office Nodes in a Company Central Offices or Customer Nodes at customer designated locations, or one of each. Additional nodes above the three node minimum may be any combination thereof. The maximum number of nodes will be determined based on equipment capability. The nodes are connected by SMARTRing service Local Channels, Alternate Central Office Channels, Interoffice Channels and Internodal Channels as applicable. SMARTRing service may be connected to other high capacity services only at Central Office Nodes.

Applicable rate elements for this service are:

- Customer Nodes provide ring switching capabilities at customer designated locations other than Telephone Company Premises that are part of SMARTRing service. This rate element offers OC-3, OC-3+, OC-12, OC-48, OC-48+, OC-192 or OC-192+ network capacities. A summary of the channel interfaces available with each node are specified in B7.7.1 preceding.
- Customer Channel Interface provides DS1, DS3, STS-1, OC-3, OC-12, OC-48, 10 Mbps, 100 Mbps, Fractional 1000 Mbps and/or 1000 Mbps connectivity that may take place at each Customer Node of SMARTRing service. The Customer Channel Interface rate element applies for every interface capacity that originates or terminates at a Customer Node.
- Central Office Node provides ring switching capabilities at Company Central Offices that are a part of SMARTRing service. This rate element offers OC-3, OC-3+, OC-12, OC-48, OC-48+, OC-192 or OC-192+ network capacities. A summary of the channel interfaces available with each node are specified in B7.7.1 preceding.
- Central Office Channel Interface provides DS1, DS3, STS-1, OC-3, OC-12, OC-48, 10 Mbps, 100 Mbps, Fractional 1000 Mbps and/or 1000 Mbps connectivity that may take place at each Central Office Node located on SMARTRing service. The Central Office Channel Interface rate element applies for every interface capacity that originates or terminates at a Central Office Node. Customers with DS3 or STS-1 interfaces at the Customer Node electing to connect with DS1 services at a Central Office Node must obtain a 28-DS1 Channel System. STS-1 interfaces may only connect to other compatible STS-1 services.
- Local Channel (at least one for each Customer Node which is directly connected to the serving wire center), provides for the communications path between a Customer Node and the serving wire center of the premises where located.
- Alternate Central Office Channel (at least one for each Customer Node which is directly connected to an Alternate Central Office), provides for the communications path, where requested, between a Customer Node and an Alternate Central Office.
- Interoffice Channel (one for each path between each two directly connected Company Central Offices), provides for the communications path between directly connected Company Central Offices located on a SMARTRing service.

B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

B7.7.3 Architecture (Cont'd)

A. SMARTRing Service (Cont'd)

- Internodal Channel (one for each path between two directly connected Customer Nodes), provides for the communications path between two directly connected Customer Nodes located (a) in the same Serving Wire Center area or (b) in the same Office Park/Campus Environment or contiguous property, located in contiguous Serving Wire Center areas.
- Channel Interface Capacity Reallocation (one per node per occurrence), allows the customer to reallocate channel interfaces on a node subsequent to the initial installation of the channel interfaces. For example, a customer may initially allocate, activated or spare, eighty-four DS1s at each node on the ring and may subsequently request Channel Interface Capacity Reallocation to drop one DS3 and fifty-six DS1s at each node, or other combination of DS3s and/or DS1s equivalent to an OC-3 network capacity.
- SMARTRing service OC-3, OC-12, or OC-48 channel interfaces are associated with optical circuits within a SMARTRing service arrangement. These optical circuits may be provisioned as concatenated. When an optical circuit is provisioned as concatenated, the multiple STS-1s within the optical circuit are provided as a single entity with a single overhead channel.
- SMARTRing service interfaces may be ordered as asymmetrical (i.e., a circuit enters one node at a lower level interface and exits at another node at a higher level interface). For example, a customer may have a service that connects to a ring via an OC-3 interface at a node. That service is then transported around the ring and connects via an OC-12 interface to another of the customer's services. The allowable asymmetrical interface arrangements for the various ring sizes are as shown in Technical Reference TR-73582.
- When the distance between nodes on a SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) is such that optical signal regeneration is required, then regeneration equipment will be provided at no additional charge to the customer to assure proper operation of the service. In some cases regeneration will be provided via SONET Add/Drop equipment called a Regeneration Node. A Regeneration Node does not contain the capability to add or drop services. Accordingly, FlexServ service Customer Network Management may not be ordered with a Regeneration Node, however, a customer may monitor a Regeneration Node via the FlexServ service Customer Network Management Surveillance option when a customer has established surveillance for a ring. Regeneration Node Surveillance is provided as a part of the charges associated with the customer's ring level FlexServ service Customer Network Management Surveillance. A Regeneration Node and Regeneration Node Surveillance, as applicable, will appear on a customer's records as a non-rated USOC, as follows:

Regeneration Node, all ring capacities, non-rated

SHNRD

Regeneration Node Surveillance, all ring capacities, non-rated

SHNRS

- SMARTRing service Virtual Packet Rings may be established to work with either electrical or optical Basic Shared Ethernet LAN Access Links. A Virtual Packet Ring established associated with electrical access links will only work with electrical Basic Shared Ethernet LAN Access Links and a Virtual Packet Ring established associated with optical access links will only work with optical Basic Shared Ethernet LAN Access Links. Electrical and optical access links may not be mixed on the same Virtual Packet Ring.
- An individual Basic Shared Ethernet LAN Access Link associated with a VPR may not be equal to the size of the VPR and the sum of all or access links on a VPR must be equal to or less than the size (i.e., capacity) of the Virtual Packet Ring. An individual SMARTRing service arrangement may have multiple Virtual Packet Rings, up to and including the capacity of the ring.
- Customer requested upgrades of SMARTRing service will involve a service outage associated with Basic Shared Ethernet LAN Access Links, for which a credit for service outage shall not apply.

B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

B7.7.4 Rates and Charges (Cont'd)

A. Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing Service) (Cont'd)

4. Internodal Channel Mileage Rates (All Capacities)

	Nonrecurring Charge	Month To Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
(a) Per Internodal Channel, Same Wire Center area	\$505.00	\$-	\$-	\$-	\$-	1HNXX
(b) Per quarter air mile, Same Wire Center	-	1,400.00	535.00	415.00	345.00	1HNWX
(c) Per Internodal Channel, Same Office Park/Campus Environment in Contiguous Serving Wire Center areas	505.00	-	-	-	-	1HNZX
(d) Per quarter air mile, same Office Park/Campus Environment in contiguous Serving Wire Center areas	-	1,600.00	650.00	465.00	390.00	1HNCX

5. Customer Node (per Node)

(a) OC-3 capacity	370.00	2,300.00	990.00	900.00	810.00	SHNC3
(b) OC-3+ capacity	370.00	2,700.00	1,845.00	1,575.00	1,350.00	SHNN5
(c) OC-12 capacity	375.00	3,590.00	1,980.00	1,800.00	1,575.00	SHNC1
(d) OC-48 capacity	375.00	5,220.00	4,410.00	4,050.00	3,510.00	SHNN8
(e) OC-48+ capacity	375.00	5,850.00	4,410.00	4,050.00	3,510.00	SHNN9
(f) OC-192 capacity	540.00	25,000.00	9,375.00	8,250.00	7,300.00	SHNN6
(g) OC-192+ capacity	540.00	25,000.00	9,375.00	8,250.00	7,300.00	SHNN2

6. Customer Channel Interface (per Node)

(a) Per DS1	\$165.00	\$45.00	\$30.00	\$25.00	\$20.00	SHNBB
(b) Per DS3	130.00	170.00	135.00	130.00	125.00	SHNZT
(c) Per STS 1	130.00	220.00	170.00	150.00	140.00	SHN13
(d) Per OC 3, 2 fiber	130.00	255.00	190.00	170.00	160.00	SHN1D
(e) Per OC 3, 4 fiber	130.00	515.00	380.00	340.00	320.00	SHN15
(f) Per OC 12, 2 fiber	345.00	745.00	515.00	475.00	440.00	SHN1F
(g) Per OC 12, 4 fiber	345.00	1,490.00	1,030.00	950.00	880.00	SHN19
(h) Per OC 48, 2 fiber	420.00	1,600.00	1,325.00	1,215.00	1,050.00	SHN1A
(i) Per OC 48, 4 fiber	420.00	3,200.00	2,650.00	2,430.00	2,100.00	SHN1B
(j) Per DS1 within an STS 1 Asymmetrical Arrangement	330.00	25.00	22.00	20.00	18.00	SHNBS
(k) Per DS3 (Asymmetrical with DS1)	360.00	550.00	450.00	400.00	350.00	SHN1T
(l) Per 1000 Mbps	400.00	740.00	520.00	475.00	425.00	SHN1K
(m) Per 10 Mbps	450.00	500.00	175.00	155.00	140.00	SHN1M
(n) Per 100 Mbps	450.00	540.00	210.00	190.00	170.00	SHN1N
(o) Per Fractional 1000 Mbps						
50 Mbps	450.00	520.00	190.00	170.00	150.00	SHN1O
150 Mbps	450.00	560.00	230.00	210.00	190.00	SHN1P
300 Mbps	450.00	600.00	300.00	280.00	260.00	SHN1R
450 Mbps	450.00	640.00	340.00	310.00	290.00	SHN1U
600 Mbps	450.00	700.00	380.00	340.00	320.00	SHN1V
(p) Per Flex DS1	360.00	45.00	34.00	27.00	25.00	SHN1Q

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B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

B7.7.4 Rates and Charges (Cont'd)

A. Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing Service) (Cont'd)

6. Customer Channel Interface (per Node)

	Nonrecurring Charge	Month To	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC	
(a) Per DS1	\$165.00	\$45.00	\$30.00	\$25.00	\$20.00	SHNB	(M)
(b) Per DS3	130.00	170.00	135.00	130.00	125.00	SHNZ	(M)
(c) Per STS-1	130.00	220.00	170.00	150.00	140.00	SHN13	(M)
(d) Per OC-3, 2 fiber	130.00	255.00	190.00	170.00	160.00	SHN1D	(M)
(e) Per OC-3, 4 fiber	130.00	515.00	380.00	340.00	320.00	SHN15	(M)
(f) Per OC-12, 2 fiber	345.00	745.00	515.00	475.00	440.00	SHN1F	(M)
(g) Per OC-12, 4 fiber	345.00	1,490.00	1,030.00	950.00	880.00	SHN19	(M)
(h) Per OC-48, 2 fiber	420.00	1,600.00	1,325.00	1,215.00	1,050.00	SHN1A	(M)
(i) Per OC-48, 4 fiber	420.00	3,200.00	2,650.00	2,430.00	2,100.00	SHN1B	(M)
(j) Per DS1 within an STS-1 Asymmetrical Arrangement	330.00	25.00	22.00	20.00	18.00	SHNBS	(M)
(k) Per DS3 (Asymmetrical with DS1)	360.00	550.00	450.00	400.00	350.00	SHN1T	(M)
(l) Per 1000 Mbps <u>850 nm Multi-mode</u>	400.00	740.00	520.00	475.00	425.00	SHN1K	(T)(M)
(m) Per 1000 Mbps 1310 nm Single-mode	400.00	740.00	520.00	475.00	425.00	SHN3K	(S)
(n) Per 10 Mbps	450.00	500.00	175.00	155.00	140.00	SHN1M	(T)(M)
(o) Per 100 Mbps	450.00	540.00	210.00	190.00	170.00	SHN1N	(T)(M)
(p) Per 100 Mbps (3 STS-1) – Optical 1310 nm Single-mode	450.00	540.00	210.00	190.00	170.00	SHN3N	(S)
(q) Per Fractional 1000 Mbps							(C)
- 50 Mbps <u>850 nm Multi-mode</u>	450.00	520.00	190.00	170.00	150.00	SHN1O	(T)(M)
- 50 Mbps 1310 NM Single-mode	450.00	520.00	190.00	170.00	150.00	SHN3O	(S)
- 150 Mbps <u>850 nm Multi-mode</u>	450.00	560.00	230.00	210.00	190.00	SHN1P	(T)(M)
- 150 Mbps 1310 NM Single-mode	450.00	560.00	230.00	210.00	190.00	SHN3P	(S)
- 300 Mbps <u>850 nm Multi-mode</u>	450.00	600.00	300.00	280.00	260.00	SHN1R	(T)(M)
- 300 Mbps 1310 NM Single-mode	450.00	600.00	300.00	280.00	260.00	SHN3R	(S)
- 450 Mbps <u>850 nm Multi-mode</u>	450.00	640.00	340.00	310.00	290.00	SHN1U	(T)(M)
- 450 Mbps 1310 NM Single-mode	450.00	640.00	340.00	310.00	290.00	SHN3U	(S)
- 600 Mbps <u>850 nm Multi-mode</u>	450.00	700.00	380.00	340.00	320.00	SHN1V	(T)(M)
- 600 Mbps 1310 NM Single-mode	450.00	700.00	380.00	340.00	320.00	SHN3V	(S)
(r) Per Flex DS1	360.00	45.00	34.00	27.00	25.00	SHN1Q	(T)(M)

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B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

B7.7.4 Rates and Charges (Cont'd)

A. Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing Service) (Cont'd)

7. Central Office Node (per Node)

	Nonrecurring Charge	Month To Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
(a) OC-3 capacity	\$370.00	\$1,400.00	\$990.00	\$900.00	\$810.00	SHNH3
(b) OC-3+ capacity	370.00	2,250.00	1,845.00	1,575.00	1,350.00	SHNH5
(c) OC-12 capacity	375.00	2,680.00	1,980.00	1,800.00	1,575.00	SHNH1
(d) OC-48 capacity	375.00	4,860.00	4,110.00	4,050.00	3,510.00	SHNH8
(e) OC-48+ capacity	375.00	5,490.00	4,110.00	4,050.00	3,510.00	SHNH9
(f) OC-192 capacity	540.00	25,000.00	9,375.00	8,250.00	7,300.00	SHNH7
(g) OC-192+ capacity	540.00	25,000.00	9,375.00	8,250.00	7,300.00	SHNH6

8. Central Office Channel Interface (per Central Office Node)

(a) Per DS1	125.00	40.00	35.00	30.00	25.00	SHNCB
(b) Per DS3	185.00	115.00	85.00	80.00	75.00	SHNYT
(c) Per STS-1	215.00	150.00	105.00	100.00	90.00	SHNO2
(d) Per OC-3, 2 fiber	340.00	255.00	190.00	170.00	160.00	SHNCD
(e) Per OC-3, 4 fiber	340.00	515.00	380.00	340.00	320.00	SHNO4
(f) Per OC-12, 2 fiber	540.00	745.00	515.00	475.00	440.00	SHNCF
(g) Per OC-12, 4 fiber	540.00	1,490.00	1,030.00	950.00	880.00	SHNC9
(h) Per OC-48, 2 fiber	650.00	1,600.00	1,325.00	1,215.00	1,050.00	SHNCJ
(i) Per OC-48, 4 fiber	650.00	3,200.00	2,650.00	2,430.00	2,100.00	SHNCK
(j) Per 28 DS1 Channel System (DS3)	140.00	700.00	600.00	550.00	525.00	SHNW8
(k) Per 28 DS1 Channel System (STS-1)	140.00	750.00	550.00	500.00	450.00	SHNCS
(l) Per DS1 on 28 DS1 Channel System (DS3)	140.00	18.00	12.00	9.00	8.00	SHNCA
(m) Per DS1 on 28 DS1 Channel System (STS-1)	155.00	40.00	35.00	30.00	25.00	SHNCG
(n) Per DS1 within an STS-1 Asymmetrical Arrangement	360.00	25.00	22.00	20.00	18.00	SHNCH
(o) Per DS3 (Asymmetrical with DS1)	400.00	550.00	450.00	400.00	350.00	SHNCT
(p) Per 1000 Mbps	400.00	740.00	520.00	475.00	425.00	SHNCW
(q) Per 10 Mbps	450.00	500.00	175.00	155.00	140.00	SHNCM
(r) Per 100 Mbps (3 STS-1)	450.00	540.00	210.00	190.00	170.00	SHNCN
(s) Per Fractional 1000 Mbps						
- 50 Mbps	450.00	520.00	190.00	170.00	150.00	SHNCO
- 150 Mbps	450.00	560.00	230.00	210.00	190.00	SHNCP
- 300 Mbps	450.00	600.00	300.00	280.00	260.00	SHNCR
- 450 Mbps	450.00	640.00	340.00	310.00	290.00	SHNCU
- 600 Mbps	450.00	700.00	380.00	340.00	320.00	SHNCV
(t) Per Flex DS1	250.00	40.00	30.00	25.00	20.00	SHNCQ

Material previously appearing on this page now appears on page(s) 67 of this section.

B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

B7.7.4 Rates and Charges (Cont'd)

A. Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing Service) (Cont'd)

9. Channel Interface Capacity Reallocation

(a) Per Node, Per occurrence	Nonrecurring Charge	\$290.00	USOC
			SHRBC

10. Concatenation Rearrangement Charge

(a) Per OC-3, OC-12 or OC-48 optical circuit rearranged as concatenated or non-concatenated subsequent to the initial installation of the circuit	Monthly Rate	Nonrecurring Charge	USOC
	\$-	Initial Subsequent	NRCCN
		\$- \$500.00	

11. SMARTRing Service Rearrangement

(a) Surveillance, Per Node, per SMARTRing service	-	-	255.00	SHNRR
(b) Reconfiguration, Per STS-1 group, per Node	-	-	365.00	SHNR1

12. Basic Shared Ethernet LAN Access Link – Customer Premises

	<u>Nonrecurring Charge</u>	<u>Month to Month</u>	<u>24 to 48 Months</u>	<u>49 to 72 Months</u>	<u>73 to 96 Months</u>	<u>USOC</u>
(a) Per 10 Mbps Basic Shared Ethernet LAN Access Link - Electrical1	<u>2,050.00</u>	<u>730.00</u>	<u>250.00</u>	<u>220.00</u>	<u>200.00</u>	<u>SHN1G</u>
(b) Per 100 Mbps Basic Shared Ethernet LAN Access Link - Electrical1	<u>2,050.00</u>	<u>780.00</u>	<u>300.00</u>	<u>280.00</u>	<u>250.00</u>	<u>SHN1H</u>
(c) Per 100 Mbps Basic Shared Ethernet LAN Access Link – Optical 1310 nm Single-mode1	<u>2,050.00</u>	<u>780.00</u>	<u>300.00</u>	<u>280.00</u>	<u>250.00</u>	<u>SHN1I</u>
(d) Per Fractional 1000 Mbps Basic Shared Ethernet LAN Access Link - Optical1						
- 50 Mbps 850 nm Multi-mode	<u>2,050.00</u>	<u>750.00</u>	<u>280.00</u>	<u>250.00</u>	<u>240.00</u>	<u>SHN1S</u>
- 50 Mbps 1310 nm Single-mode	<u>2,050.00</u>	<u>750.00</u>	<u>280.00</u>	<u>250.00</u>	<u>240.00</u>	<u>SHN3S</u>
- 150 Mbps 850 nm Multi-mode	<u>2,050.00</u>	<u>810.00</u>	<u>330.00</u>	<u>300.00</u>	<u>280.00</u>	<u>SHN1W</u>
- 150 Mbps 1310 nm Single-mode	<u>2,050.00</u>	<u>810.00</u>	<u>330.00</u>	<u>300.00</u>	<u>280.00</u>	<u>SHN3W</u>
- 300 Mbps 850 nm Multi-mode	<u>2,050.00</u>	<u>870.00</u>	<u>440.00</u>	<u>410.00</u>	<u>380.00</u>	<u>SHN1X</u>
- 300 Mbps 1310 nm Single-mode	<u>2,050.00</u>	<u>870.00</u>	<u>440.00</u>	<u>410.00</u>	<u>380.00</u>	<u>SHN3X</u>
- 450 Mbps 850 nm Multi-mode	<u>2,050.00</u>	<u>930.00</u>	<u>490.00</u>	<u>450.00</u>	<u>420.00</u>	<u>SHN1Y</u>
- 450 Mbps 1310 nm Single-mode	<u>2,050.00</u>	<u>930.00</u>	<u>490.00</u>	<u>450.00</u>	<u>420.00</u>	<u>SHN3Y</u>
- 600 Mbps 850 nm Multi-mode	<u>2,050.00</u>	<u>1,020.00</u>	<u>550.00</u>	<u>490.00</u>	<u>460.00</u>	<u>SHN1Z</u>
- 600 Mbps 1310 nm Single-mode	<u>2,050.00</u>	<u>1,020.00</u>	<u>550.00</u>	<u>490.00</u>	<u>460.00</u>	<u>SHN3Z</u>

13. Virtual Packet Ring Rearrangement Charge

(a) Per service order associated with a rearrangement to increase or decrease a virtual packet ring subsequent to the initial setup of the virtual packet ring	Monthly Rate	Nonrecurring Charge	USOC
	-	Initial Subsequent	SHNRP
		- \$500.00	

Note 1: Basic Shared Ethernet LAN Access Link interfaces are available based on equipment capability and only at Customer Nodes.

B7.8 SMARTPath Service

Material previously appearing on this page now appears on page(s) 67.1 of this section.
Material previously appearing on this page now appears on page(s) 68 of this section.

FLORIDA

ISSUED: April 27, 2006

EFFECTIVE: May 12, 2006

BY: Marshall M. Criser III, President -FL
Miami, Florida

B7.8.1 General

- ~~A. SMARTPath service is furnished for Private Line IntraLATA Communications by the Company.~~
- ~~B. SMARTPath service is a service for transmission of digital signals only and uses only digital transmission facilities.~~
- ~~C. SMARTPath service is a shared high capacity network service capable of providing a 1.544 Mbps transport link with high performance and reliability parameters and a level of redundancy/diversity designed to limit a single event from interrupting service.~~
- ~~D. This service is available only in those locations within specified SMARTPath service Areas which the Company determines can be incorporated into the SMARTPath service network enabling the Company to provide the specified level of performance and reliability. For locations where a customer requests SMARTPath service and facilities are not available, construction charges will apply as set forth on Section B5. preceding.~~
- ~~E. SMARTPath service Areas are identified in the NATIONAL EXCHANGE CARRIER TARIFF (NECA) F.C.C. No. 4.~~
- ~~F. The technical specifications and standard network interfaces for SMARTPath service are contained in BellSouth Services Technical Reference Publication 73575. This publication is available from BellSouth Services Documentation Operations, North W5A1, 3535 Colonnade Parkway, Birmingham, Alabama 35243.~~
- ~~G. DS1s carried over Synchronous Optical Network (SONET) transport systems can incur phase transients as a result of pointer adjustments. In some instances timing problems could surface in customer's equipment with Stratum 3 or better clocks. This may result in the customer's clock disqualifying its synchronization reference, generating an alarm and/or selecting an alternate reference or entering holdover. To insure proper operation, channelized DS1 circuits must comply with Belleore Technical Advisory, TA NWT 000436, Digital Synchronization Network Plan, and ANSI T1.101 1994. When timing is taken from a Company transported DS1, the customer's equipment must be capable of accommodating SONET pointer adjustments.~~

B7.8.2 Regulations

A. Description of Service

- ~~1. SMARTPath service provides a transport link between a customer designated premises where the network is accessed and (1) another customer designated premises, in the same SMARTPath service Area or (2) a serving wire center in the same SMARTPath service Area for connection to (a) MegaLink Channel Service, FlexServ service, or LightGate service, or (b) a SMARTPath service Area Junction of another SMARTPath service area in the same Metropolitan Area.~~
- ~~2. The performance objectives for SMARTPath service are as follows:
 - ~~a. Meet or exceed 99.99 percent Circuit Availability on a monthly basis. This objective applies except where a customer's equipment is disconnected and/or inoperative.~~
 - ~~b. Meet or exceed 99.95 percent Error Free Seconds on a monthly basis.~~
 - ~~c. Meet or exceed .009 percent Severely Errored Seconds on a monthly basis.~~~~

Material previously appearing on this page now appears on page(s) 67.1 of this section.

Material previously appearing on this page now appears on page(s) 68 of this section.

ISSUED: April 27, 2006

EFFECTIVE: May 12, 2006

BY: Marshall M. Criser III, President -FL
Miami, Florida

B7. DIGITAL NETWORK SERVICE

B7.8 SMARTPath Service

B7.8.1 General

- A. SMARTPath service is furnished for Private Line IntraLATA Communications by the Company.
- B. SMARTPath service is a service for transmission of digital signals only and uses only digital transmission facilities.
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B7.8.2 Regulations

A. Description of Service

- 1. SMARTPath service provides a transport link between a customer designated premises where the network is accessed and (1) another customer designated premises, in the same SMARTPath service Area or (2) a serving wire center in the same SMARTPath service Area for connection to (a) MegaLink Channel Service, FlexServ service, or LightGate service, or (b) a SMARTPath service Area Junction of another SMARTPath service area in the same Metropolitan Area.
- 2. The performance objectives for SMARTPath service are as follows:
 - a. Meet or exceed 99.99 percent Circuit Availability on a monthly basis. This objective applies except where a customer's equipment is disconnected and/or inoperative.
 - b. Meet or exceed 99.95 percent Error Free Seconds on a monthly basis.
 - c. Meet or exceed .009 percent Severely Errored Seconds on a monthly basis.

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B7. DIGITAL NETWORK SERVICE

CONTENTS

B7.5 MegaLink ISDN Service (Obsoleted. See Section B107.)		⊕
B7.6 Reserved for Future Use	58	
B7.7 SMARTRing Service	58	⊕
B7.7.1 General	58	
B7.7.2 Application of Rates	59 <u>59.3</u>	⊕
B7.7.3 Architecture	62 <u>63</u>	⊕
B7.7.4 Rates and Charges	64	
B7.8 SMARTPath Service	67 <u>67.1</u>	⊕
B7.8.1 General	67 <u>67.1</u>	⊕
B7.8.2 Regulations	67.1 <u>67</u>	⊕
B7.8.3 Rates and Charges	70	
B7.9 MegaLink Plus Service	72	⊕
B7.9.1 General	72	
B7.9.2 Regulations	72	
B7.9.3 Rates and Charges	74	
B7.10 MegaLink Light Service	76	⊕
B7.10.1 General	76	
B7.10.2 Regulations	76	
B7.10.3 Rates and Charges	79	
B7.11 Business Programs	81	
B7.11.1 BellSouth Select Business Program	81	⊕

B7. DIGITAL NETWORK SERVICE

B7.4 LightGate Service (Cont'd)

B7.4.1 General (Cont'd)

- C. Channel interface availability varies with system size and transport architecture (asynchronous vs. synchronous). The following table lists the channel interfaces available with each LightGate service System.

Local Channel Systems:

Customer Channel Interfaces	Asynchronous	Synchronous				
	LG1	STS-1	OC-3	OC-12	OC-48	OC-192
DS1	Yes	Yes	Yes	No	Yes ¹	Yes ¹
Flex DS1	No	No	No	Yes ²	Yes ²	Yes ²
DS3	Yes	No	Yes	Yes	Yes	Yes ¹
DS3 Asymmetrical with DS1	No	No	Yes	No	No	No
DS3 Asymmetrical with Flex DS1	No	No	No	Yes ²	Yes ²	Yes ²
STS-1	No	Yes	Yes	Yes	Yes	Yes ¹
OC-3	No	No	Yes	Yes	Yes	Yes
OC-12	No	No	No	No	Yes	Yes
OC-48	No	No	No	No	No	Yes
10 Mbps	No	No	Yes ³	Yes ³	Yes ³	Yes ³
100 Mbps	No	No	Yes ³	Yes ³	Yes ³	Yes ³
1000 Mbps	No	No	No	No	Yes ⁴	Yes ⁴
Fractional 1000 Mbps at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps	No	No	Yes ³	Yes ³	Yes ³	Yes ³
Fractional 1000 Mbps at 600 Mbps	No	No	No	No	Yes ³	Yes ³

Note 1: Available only for systems installed on or after October 20, 2003. The maximum number of DS1 Circuits available in a system is 108. (C)

Note 2: Available only for systems installed on or after April 14, 2005. The maximum number of Flex DS1 circuits available in a system is 108. (C)

Note 3: Available only for **OC-12, OC-48 or OC-192** systems installed on or after December 3, 2004, that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer. **10 Mbps, 100 Mbps and Fractional 1000 Mbps at 50 Mbps interfaces are available for OC-3 systems only that were installed on or after May 12, 2006. 100 Mbps interface service components are further defined regarding the number of STS-1s used to provision the interface.** (C)

Note 4: Available only for systems installed on or after October 20, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

Material previously appearing on this page now appears on page(s) 35.1.0.1 of this section.

B7. DIGITAL NETWORK SERVICE

B7.4 LightGate Service (Cont'd)

B7.4.1 General (Cont'd)

- C. Channel interface availability varies with system size and transport architecture (asynchronous vs. synchronous). The following table lists the channel interfaces available with each LightGate service System. (Cont'd)

Local Channel Systems: (Cont'd)

	Asynchronous		Synchronous			
	LG1	STS-1	OC-3	OC-12	OC-48	OC-192
Central Office Channel Interfaces						
DS1	Yes	Yes	Yes	No	Yes ¹	Yes ¹
Flex DS1	No	No	No	Yes ²	Yes ²	Yes ²
DS3	Yes	No	Yes	Yes	Yes	Yes ¹
DS3 Asymmetrical with DS1	No	No	Yes	No	No	No
DS3 Asymmetrical with Flex DS1	No	No	No	Yes ²	Yes ²	Yes ²
STS-1	No	Yes	Yes	Yes	Yes	No
OC-3	No	No	Yes	Yes	Yes	Yes
OC-12	No	No	No	No	Yes	Yes
OC-48	No	No	No	No	No	Yes
28 DS1 Channel System	No	No	No	Yes	Yes	Yes ¹
STS-1 Channel System	No	No	No	Yes	Yes	Yes ¹

Note 1: Available only for systems installed on or after October 20, 2003. The maximum number of DS1 Circuits available in a system is 108.

Note 2: Available only for systems installed on or after April 14, 2005. The maximum number of Flex DS1 circuits available in a system is 108.

Note 3: Available only for OC-12, OC-48 or OC-192 systems installed on or after December 3, 2004 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer. 10 Mbps, 100 Mbps and Fractional 1000 Mbps at 50 Mbps interfaces are available for OC-3 systems installed on or after May 12, 2006. 100 Mbps interface service components are further defined regarding the number of STS-1s used to provision the interface.

Note 4: Available only for systems installed on or after December 2, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

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B7. DIGITAL NETWORK SERVICE

B7.4 LightGate Service (Cont'd)

B7.4.1 General (Cont'd)

C. (Cont'd)

Local Channel Systems:

	Asynchronous		Synchronous				
	LG1	STS-1	OC-3	OC-12	OC-48	OC-192	
Central Office Channel Interfaces (Cont'd)							
OC-3 Channel System	No	No	No	Yes	Yes	Yes	
OC-12 Channel System	No	No	No	No	No	Yes	
OC-48 Channel System	No	No	No	No	No	Yes	
10 Mbps	No	No	Yes ³	Yes ¹	Yes ¹	Yes ¹	(C)
100 Mbps	No	No	Yes ³	Yes ¹	Yes ¹	Yes ¹	(C)
1000 Mbps	No	No	No	No	Yes ²	Yes ²	
Fractional 1000 Mbps at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps	No	No	Yes ³	Yes ¹	Yes ¹	Yes ¹	(C)
Fractional 1000 Mbps at 600 Mbps	No	No	No	No	Yes ¹	Yes ¹	

Interoffice Channel Systems:

Central Office Channel Interfaces

DS1	No	No	No	No	No	No	
DS3	Yes	No	Yes	Yes	Yes	Yes ³	
STS-1	No	Yes	Yes	Yes	Yes	Yes ³	
OC-3	No	No	Yes	Yes	Yes	Yes	
OC-12	No	No	No	Yes	Yes	Yes	
OC-48	No	No	No	No	Yes	Yes	
28 DS1 Channel System	Yes	No	Yes	Yes	Yes	Yes ³	
STS-1 Channel System	No	Yes	Yes	Yes	Yes	Yes ³	
OC-3 Channel System	No	No	Yes	Yes	Yes	Yes	
OC-12 Channel System	No	No	No	No	No	Yes	
OC-48 Channel System	No	No	No	No	No	Yes	
10 Mbps	No	No	No	Yes ¹	Yes ¹	Yes ¹	
100 Mbps	No	No	No	Yes ¹	Yes ¹	Yes ¹	
1000 Mbps	No	No	No	No	Yes ²	Yes ²	
Fractional 1000 Mbps at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps	No	No	No	Yes ¹	Yes ¹	Yes ¹	
Fractional 1000 Mbps at 600 Mbps	No	No	No	No	Yes ¹	Yes ¹	

Note 1: Available only for *OC-12, OC-48 or OC-192* systems installed on or after December 3, 2004, that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer. *10 Mbps, 100 Mbps and Fractional 1000 Mbps at 50 Mbps interfaces are available for OC-3 systems only that were installed on or after May 12, 2006. 100 Mbps interface service components are further defined regarding the number of STS-1s used to provision the interface.* (C)

Note 2: Available only for systems installed on or after October 20, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

Note 3: Available only for systems installed on or after October 20, 2003.

FLORIDA
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BY: Marshall M. Criser III, President -FL
Miami, Florida

EFFECTIVE: May 12, 2006

B7. DIGITAL NETWORK SERVICE

B7.4 LightGate Service (Cont'd)

(T)

B7.4.5 Rates and Charges (Cont'd)

A. LightGate service Local Channel Systems (Cont'd)

(T)

The Basic System includes photonic common equipment and first one-half air mile of local channel fiber optic facilities.

7. Central Office Channel Interfaces

	Nonrecurring Charge	Month to Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
(a) Per DS1	\$125.00	\$24.00	\$20.00	\$17.00	\$16.00	1PQE8
(b) Per DS3	125.00	115.00	95.00	90.00	85.00	1PQE3
(c) Per DS3 (Asymmetrical with DS1/Flex DS1)	290.00	500.00	390.00	365.00	350.00	1PQEG
(d) Per STS-1	125.00	175.00	140.00	130.00	120.00	1PQE4
(e) Per OC-3 (2 Fiber)	200.00	240.00	190.00	175.00	160.00	1PQE5
(f) Per OC-3 (4 Fiber)	200.00	425.00	330.00	300.00	270.00	1PQE6
(g) Per OC-12 (2 Fiber)	360.00	640.00	495.00	450.00	405.00	1PQEE
(h) Per OC-12 (4 Fiber)	400.00	1,280.00	990.00	900.00	810.00	1PQED
(i) Per OC-48 (2 Fiber)	500.00	1,600.00	1,325.00	1,215.00	1,050.00	1PQEO
(j) Per OC-48 (4 Fiber)	500.00	3,200.00	2,650.00	2,430.00	2,100.00	1PQEF
(k) Per 28 DS1 Channel System	125.00	600.00	490.00	465.00	450.00	MQ3CO
(l) Per DS1 on 28 DS1 Channel System	125.00	15.00	8.00	7.00	6.00	1PQEA
(m) Per STS-1 Channel System	125.00	600.00	490.00	465.00	450.00	1PQE7
(n) Per OC-3 Channel System	125.00	1,325.00	1,100.00	1,000.00	900.00	1PQE9
(o) Per OC-12 Channel System	125.00	2,650.00	2,200.00	2,000.00	1,800.00	1PQ12
(p) Per OC-48 Channel System	125.00	5,490.00	4,410.00	4,050.00	3,510.00	1PQ48
(q) Per 1000 Mbps ¹	400.00	740.00	520.00	475.00	425.00	1PQEK
(r) Per 10 Mbps ²	450.00	500.00	175.00	155.00	140.00	1PQEH
(s) Per 100 Mbps (3 STS-1) ²	450.00	540.00	210.00	190.00	170.00	1PQEJ
(t) Per Fractional 1000 Mbps ²						
- 50 Mbps	450.00	520.00	190.00	170.00	150.00	1PQEM
- 150 Mbps	450.00	560.00	230.00	210.00	190.00	1PQEN
- 300 Mbps	450.00	600.00	300.00	280.00	260.00	1PQER
- 450 Mbps	450.00	640.00	340.00	310.00	290.00	1PQES
- 600 Mbps	450.00	700.00	380.00	340.00	320.00	1PQET
(u) Per Flex DS1	130.00	24.00	20.00	17.00	16.00	1PQEQ

(T)

Note 1: Available only for systems installed on or after October 20, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

Note 2: Available only for systems installed on or after December 3, 2004, that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

B7. DIGITAL NETWORK SERVICE

B7.4 LightGate Service (Cont'd)

B7.4.5 Rates and Charges (Cont'd)

A. LightGate service Local Channel Systems (Cont'd)

The Basic System includes photonic common equipment and first one-half air mile of local channel fiber optic facilities.
(Cont'd)

8. Customer Channel Interfaces

	Nonrecurring Charge	Month to Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC	
(a) Per DS1	\$170.00	\$24.00	\$20.00	\$17.00	\$16.00	1PQF1	
(b) Per DS3	125.00	115.00	95.00	90.00	85.00	1PQF3	
(c) Per DS3 (Asymmetrical with DS1/Flex DS1)	280.00	500.00	390.00	365.00	350.00	1PQFG	
(d) Per STS-1	125.00	240.00	195.00	185.00	175.00	1PQF4	
(e) Per OC-3 (2 Fiber)	125.00	240.00	190.00	175.00	160.00	1PQF5	
(f) Per OC-3 (4 Fiber)	125.00	475.00	380.00	350.00	320.00	1PQF6	
(g) Per OC-12 (2 Fiber)	275.00	715.00	570.00	525.00	480.00	1PQF8	
(h) Per OC-12 (4 Fiber)	275.00	1,430.00	1,140.00	1,050.00	960.00	1PQF7	
(i) Per OC-48 (2 Fiber)	300.00	1,600.00	1,325.00	1,215.00	1,050.00	1PQF2	
(j) Per OC-48 (4 Fiber)	300.00	3,200.00	2,650.00	2,430.00	2,100.00	1PQFO	
(k) Per 1000 Mbps <i>850 nm Multi-mode</i> ¹	400.00	740.00	520.00	475.00	425.00	1PQFK	(T)
(l) Per 1000 Mbps 1310 nm Single-mode ¹	400.00	740.00	520.00	475.00	425.00	1PQ3K	(N)
(m) Per 10 Mbps (3 STS-1) - <i>Electrical</i> ²	450.00	500.00	175.00	155.00	140.00	1PQFH	(T)
(n) Per 100 Mbps ²	450.00	540.00	210.00	190.00	170.00	1PQFJ	(T)
(o) Per 100 Mbps (3 STS-1) - 1310 nm Single-mode ²	450.00	540.00	210.00	190.00	170.00	1PQ3J	(N)
(p) Per Fractional 1000 Mbps ²							(T)
- 50 Mbps <i>850 nm Multi-mode</i>	450.00	520.00	190.00	170.00	150.00	1PQFM	(T)
- 50 Mbps 1310 nm Single-mode	450.00	520.00	190.00	170.00	150.00	1PQ3M	(N)
- 150 Mbps <i>850 nm Multi-mode</i>	450.00	560.00	230.00	210.00	190.00	1PQFN	(T)
- 150 Mbps 1310 nm Single-mode	450.00	560.00	230.00	210.00	190.00	1PQ3N	(N)
- 300 Mbps <i>850 nm Multi-mode</i>	450.00	600.00	300.00	280.00	260.00	1PQFR	(T)
- 300 Mbps 1310 nm Single-mode	450.00	600.00	300.00	280.00	260.00	1PQ3R	(N)
- 450 Mbps <i>850 nm Multi-mode</i>	450.00	640.00	340.00	310.00	290.00	1PQFS	(T)
- 450 Mbps 1310 nm Single-mode	450.00	640.00	340.00	310.00	290.00	1PQ3S	(N)
- 600 Mbps <i>850 nm Multi-mode</i>	450.00	700.00	380.00	340.00	320.00	1PQFT	(T)
- 600 Mbps 1310 nm Single-mode	450.00	700.00	380.00	340.00	320.00	1PQ3T	(N)
(r) Per Flex DS1	260.00	24.00	20.00	17.00	16.00	1PQFQ	(T)

B. LightGate service Local Channel Mileage³

1. Mileage for all LightGate service Local Channel Systems

(a) First one-half mile (included in system charge)	-	-	-	-	-	NA	(T)
(b) Each additional one-half mile	NA	225.00	190.00	170.00	150.00	1LPEA	

Note 1: Available only for systems installed on or after October 20, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

Note 2: Available only for systems installed on or after December 3, 2004, that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

Note 3: Month to month rates are only available at the end of a contract rate period.

B7. DIGITAL NETWORK SERVICE B7.6 Reserved for Future Use

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service

B7.7.1 General

- A. SMARTRing service is a dedicated, high capacity, network designed to provide increased reliability and functionality via a self-healing ring topology between multiple customer designated locations and Company Central Offices where facilities can be made available as determined by the Company. This service is provided via diversely routed facilities utilizing SONET technology and DS1 and DS3 electrical interfaces. This network consists of fiber routed through local, alternate central office, internodal and/or interoffice channel facilities that transmit DS1, DS3, STS-1, OC-3, OC-12 and/or OC-48 channel services simultaneously over primary and alternate paths between customer designated locations and Company Central Offices. This ring topology will continually monitor DS1, DS3, STS-1, OC-3, OC-12 and/or OC-48 service quality, detect any failure within the system, and automatically self-heal itself around a point of failure to ensure the flow of DS1, DS3, STS-1, OC-3, OC-12 and/or OC-48 Services between locations within the self-healing network. *SMARTRing service further provides an adjunct optional feature and function capability for the establishment of a virtual packet ring which may be utilized for the transport of Basic Shared Ethernet LAN traffic on a best effort basis.* For locations where a customer requests SMARTRing service and facilities are not available, construction charges will apply as set forth in Section B5. of this Tariff for cases involving extraordinary cost. (C)

- B. SMARTRing service is available at OC-3, OC-3+, OC-12, OC-48, OC-48+, OC-192 and OC-192+ capacities. OC-3 SMARTRing service is available as an individual service or in an Overlay Ring Arrangement riding the customer's host OC-12, OC-48, OC-48+, OC-192, or OC-192+ SMARTRing service. OC-3 SMARTRing service provides an equivalent capacity of 3 DS3s, or any combination thereof not to exceed an OC-3 capacity.

Channel Interface Capacity Reallocation allows the customer to reallocate channel interfaces on a node subsequent to the initial installation of the channel interfaces.

Effective December 3, 2004, OC-3+ SMARTRing service is not available for new individual service installations. Existing OC-3+ SMARTRing service installed as an individual service, or in combination with OC-12 SMARTRing service, as of December 3, 2004, may continue in place. OC-3+ SMARTRing service Overlay Ring Arrangements riding the customer's host OC-48, OC-48+, OC-192 or OC-192+ SMARTRing service are available for host rings installed prior to December 3, 2004. OC-3+ SMARTRing service provides an equivalent OC-3 capacity, not to exceed 3 DS3s at each node, with a maximum ring capacity of 12 DS3s, not to exceed an OC-12 ring capacity.

When a customer orders OC-3+ SMARTRing service in combination with OC-12 SMARTRing service, capacity and channel interface availability at each Customer Node and Central Office Node location is determined by the size node ordered by the customer.

OC-12 SMARTRing service is available as an individual service, or in combination with OC-3+ SMARTRing service, or in an Overlay Ring Arrangement riding the customer's host OC-48, OC-48+, OC-192, or OC-192+ SMARTRing service. OC-12 SMARTRing service provides an equivalent capacity of 12 DS3s.

OC-48 SMARTRing service is available as an individual service, or with overlaying rings in capacities of OC-3, OC-3+ and/or OC-12 or in an Overlay Ring Arrangement riding the customer's OC-192 or OC-192+ SMARTRing service. OC-48 SMARTRing service provides an equivalent capacity of 48 DS3s.

OC-48+ SMARTRing service is available as an individual bi-directional service, or with overlaying rings in capacities of OC-3, OC-3+ or OC-12, or in an Overlay Ring Arrangement riding the customer's OC-192+ SMARTRing service. It provides equivalent capacity of 24 DS3s between consecutive node locations on the ring. The maximum capacity of the OC-48+ SMARTRing service is determined by the number of Customer and Central Office nodes on the ring. For OC-48+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), the Flex DS1 capability may involve locked STS-1s between two nodes due to the bi-directional attributes of the ring. As such, the quantity of Flex DS1s on an OC-48+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) and their associated attributes are based on equipment capabilities and the customer's service configuration.

OC-192 SMARTRing service is available as an individual service, or with overlaying rings in capacities of OC-3, OC-3+, OC-12 and/or OC-48. OC-192 SMARTRing service provides an equivalent capacity of 192 DS3s.

OC-192+ SMARTRing service is available as an individual bi-directional service, or with overlaying rings in capacities of OC-3, OC-3+, OC-12, OC-48 and/or OC-48+. It provides equivalent capacity of 96 DS3s between consecutive node locations on the ring. The maximum capacity of the OC-192+ SMARTRing service is determined by the number of Customer and Central Office nodes on the ring. For OC-192+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), the Flex DS1 capability may involve locked STS-1s between two nodes due to the bi-directional attributes of the ring. As such, the quantity of Flex DS1s on an OC-192+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) and their associated attributes are based on equipment capabilities and the customer's service configuration.

B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

B7.7.1 General (Cont'd)

B. (Cont'd)

SMARTRing service Channel Interfaces are available as follows:

<u>Channel Interfaces</u>	<u>NODES</u>							
	<u>OC-3</u>	<u>OC-3+</u>	<u>OC-12</u>	<u>OC-48</u>	<u>OC-48+</u>	<u>OC-192</u>	<u>OC-192+</u>	
DS1	Yes	Yes	No ¹	Yes ¹	No ¹	Yes ¹	No ¹	
DS3	Yes	Yes	Yes	Yes	Yes	Yes	Yes ²	
STS-1	Yes	Yes	Yes	Yes	Yes	Yes	Yes ²	
OC-3	No	No	Yes	Yes	Yes	Yes	Yes	
OC-12	No	No	No	Yes	Yes	Yes	Yes	
OC-48	No	No	No	No	No	Yes	Yes	
28 DS1 Channel System (DS3)	Yes	Yes	Yes	Yes	Yes	Yes	Yes ²	
28 DS1 Channel System (STS-1)	Yes	Yes	Yes	Yes	Yes	Yes	Yes ²	
DS3 (Asymmetrical with DS1)	Yes	Yes	No	No	No	No	No	
DS3 (Asymmetrical with Flex DS1)	No	No	Yes	Yes	Yes	Yes	Yes	
DS1 Within an STS-1 Asymmetrical Arrangement	Yes	Yes	No	No	No	No	No	
1000 Mbps	No	No	No	Yes ²	Yes ²	Yes	Yes ²	
10 Mbps	Yes ³	No	Yes ⁴	(C)				
100 Mbps	No	No	Yes ⁴	(T)				
Fractional 1000 Mbps at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps	Yes ³	No	Yes ⁴	(C)				
Fractional 1000 Mbps at 600 Mbps	No	No	No	Yes ⁴	Yes ⁴	Yes ⁴	Yes ⁴	(T)
Flex DS1 ⁵	No	No	Yes	Yes	Yes ⁶	Yes	Yes ⁶	(T)

Note 1: DS1 interfaces are available via OC-3, OC-3+ or 28 DS1 Channel System arrangements only for OC-12, OC-48+ and OC-192+ nodes and for OC-48, OC-48+ and OC-192+ SMARTRing service Nodes installed prior to October 20, 2003. For OC-48 and OC-192 nodes, installed on or after that date to December 3, 2004, DS1 interfaces are available with a maximum quantity per node of 108.

Note 2: DS3, STS-1, channel systems and 1000 Mbps interfaces are only available for nodes installed after October 20, 2003. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

Note 3: 10 Mbps and Fractional 1000 Mbps at 50 Mbps interfaces only are available on OC-3 rings installed on or after May 12, 2006. (N)

Note 4: Available on rings installed on or after December 3, 2004. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer. (T)

Note 5: Effective December 3, 2004, DS1 interfaces for OC-12, OC-48 or OC-192 rings install on or after this date will be installed as a Flex DS1 interface. The maximum number of DS1 circuits available in a system is 108. (T)

Note 6: Flex DS1 capabilities are as described previously in this Section for OC-48+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) and OC-192+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). The maximum number of DS1 circuits available in a system is 108. (T)

B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

B7.7.1 General (Cont'd)

- C. SMARTRing service is connectible at Company central offices to any compatible high capacity service as provided in Section B7. of this Tariff and to Broadband Exchange Line Service at compatible data rates (e.g., 1.586 Mbps) as provided in Section A40.5 of the General Subscriber Service Tariff. Rates and charges for such other services are as set forth in the applicable sections of this Tariff for such other services.
- D. The customer must provide suitable floor space, controlled environment, and source of non-switched suitable power to support this service.
- E. Where the customer provides two separate entrance facility cable routes for SMARTRing service, the primary and alternate entrance facilities will be separate and will enter the customer node over such different routes. When the customer requests a connection at a Customer Node via two Local Channels and Telephone Company facilities do not exist for the second Local Channel, the Telephone Company may provide an equivalent second Local Channel via an existing alternate route. When facilities become available for the second Local Channel, the Telephone Company may rearrange the alternate route at any time.
- F. The compatibility requirements, technical specifications, and generic requirements for SMARTRing service terminated at the customer's designated locations are referenced in Technical Reference ANSI T1.404-1989, and ANSI T1.403-1989.
- G. DS3 interface combinations and technical specifications are referenced in Bellcore TR-INS-000342.
- H. DS1 interface combinations and technical specifications are referenced in Bellcore TR-NPL-000054.
- I. SMARTRing service DS3 high capacity service channels have a performance objective of 99.5 percent error-free seconds over a continuous twenty-four hour period. Self-healing multi-nodal DS1 high capacity service channels have a performance objective of 99.95 percent error-free seconds over a continuous twenty-four hour period.
- J. SMARTRing service OC-3, OC-3+, OC-12, OC-48, OC-48+, OC-192 or OC-192+ capacity installed on or after June 3, 1994, is also available with FlexServ service Customer Network Management (CNM) under the rates and regulations set forth following. FlexServ service CNM is available with two options: (1) Surveillance or (2) Reconfiguration. Customers wishing to incorporate either of these capabilities into their SMARTRing service should advise the Telephone Company at the time the initial service is requested. When the customer requests to add either FlexServ service option subsequent to the initial service installation, a SMARTRing service Rearrangement charge applies as set forth in 7.5.14 following. Customers who desire to only monitor their rings may order only Surveillance. However, customers who order Reconfiguration must already be subscribing to Surveillance or be ordering Surveillance coincident with Reconfiguration. Reconfiguration may not be ordered without Surveillance.

Reconfiguration is provided on a per STS-1 basis. Within each STS-1 group, all activated interfaces must be optioned the same (either all Surveillance only or all Surveillance and Reconfiguration). Customers who wish to utilize this service to reconfigure DS1 interfaces must purchase the FlexServ service Reconfiguration option for all DS1 interfaces associated with the STS-1 group with which the customer desires to have equipped with FlexServ service capability.

When the customer orders Reconfiguration, the customer must order a sufficient quantity of SMARTRing service channel interfaces at every Customer Node and Central Office Node where reconfiguration capability is desired.

- K. SMARTRing service ordered and installed after May 4, 2006, is available with an optional feature and function capability in which a customer may utilize all or part of his SMARTRing service to establish an adjunct virtual packet ring. A virtual packet ring is separate and apart from the SONET capabilities associated with high capacity channel transport via DS1 through OC-48 interfaces. A virtual packet ring provides the capability for a customer to transport Ethernet LAN traffic utilizing Basic Shared Ethernet LAN Access Links that have best effort service capabilities in which the throughput associated with a virtual packet ring are controlled/affected by the customer's traffic and network configuration. (N)

SMARTRing service Basic Shared Ethernet LAN Access Links are available based on equipment capability and a customer's requested service configuration. Upon a customer request for Basic Shared Ethernet LAN Access Links, equipment capability associated with the requested configuration shall be determined. Upon successful determination of the functionality of the customer's requested arrangement, the requested service shall be made available. (N)

Basic Shared Ethernet LAN Access Links are further defined per TR 73582. Basic Shared Ethernet LAN Access Links are available only at Customer Nodes. (N)

(M)

Material previously appearing on this page now appears on page(s) 59.3 of this section.

FLORIDA

ISSUED: April 27, 2006

EFFECTIVE: May 12, 2006

BY: Marshall M. Criser III, President -FL
Miami, Florida

B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

B7.7.1 General (Cont'd)

K. (Cont'd)

10 Mbps Basic Shared Ethernet LAN, 100 Mbps Basic Shared Ethernet LAN and/or Fractional 1000 Mbps Basic Shared Ethernet LAN Customer Channel Interfaces provide multipoint functionality, i.e., Ethernet frames are delivered to two or more locations on a customer's SMARTRing service on a best effort basis. This is a multipoint connection with a bandwidth defined by a Virtual Packet Ring. A Virtual Packet Ring Connection is the medium by which two or more locations exchange Ethernet frames. The bandwidth of the Virtual Packet Ring Connection is determined by the number of STS1's reserved for the Virtual Packet Ring Connection. In order for a customer to access the Virtual Packet Ring, SMARTRing service Customer Nodes must have a 10 Mbps Basic Shared Ethernet LAN, 100 Mbps Basic Shared Ethernet LAN and/or Fractional 1000 Mbps Basic Shared Ethernet LAN interface.

SMARTRing service Basic Shared Ethernet LAN Access Links are available as follows:

Access Links	NODES							
	OC-3	OC-3+	OC-12	OC-48	OC-48+	OC-192	OC-192+	
10 Mbps Basic Shared Ethernet LAN Access Link - Electrical	No	No	Yes ¹					
100 Mbps Basic Shared Ethernet LAN Access Link - Electrical	No	No	Yes ¹					
100 Mbps Basic Shared Ethernet LAN Access Link - Optical	No	No	Yes ¹					
Fractional 1000 Mbps Basic Shared Ethernet LAN Access Link - Optical at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps	No	No	Yes ¹					
Fractional 1000 Mbps Basic Shared Ethernet LAN Access Link - Optical at 600 Mbps	No	No	No	Yes ¹	Yes ¹	Yes ¹	Yes ¹	

The Virtual Packet Ring sizes available for the various SMARTRing service rings capacities and the Basic Shared Ethernet Access Links available on a Virtual Packet Ring are as follows:

SMARTRing Service Ring Capacity	VIRTUAL PACKET RING SIZE (MBPS)						
	50	150	300	450	600	1000	
OC-12	Yes	Yes	Yes	Yes	No	No	
OC-48 or OC-48+	Yes	Yes	Yes	Yes	Yes	Yes	
OC-192 or OC-192+	Yes	Yes	Yes	Yes	Yes	Yes	

Basic Shared Ethernet Channel Interfaces	VIRTUAL PACKET RING SIZE (MBPS)						
	50	150	300	450	600	1000	
10 Mbps Basic Shared Ethernet LAN Access Link - Electrical	Yes	Yes	Yes	Yes	Yes	Yes	
100 Mbps Basic Shared Ethernet LAN Access Link - Electrical	No	Yes	Yes	Yes	Yes	Yes	
100 Mbps Basic Shared Ethernet LAN Access Link - Optical	No	Yes	Yes	Yes	Yes	Yes	
Fractional 1000 Mbps Basic Shared Ethernet LAN Access Link :							
- Optical at 50 Mbps	No	Yes	Yes	Yes	Yes	Yes	
- Optical at 150 Mbps	No	No	Yes	Yes	Yes	Yes	
- Optical at 300 Mbps	No	No	No	Yes	Yes	Yes	
- Optical at 450 Mbps	No	No	No	No	Yes	Yes	
- Optical at 600 Mbps	No	No	No	No	No	Yes	

Note 1: Available for rings installed on or after May 12, 2006.

B7. DIGITAL NETWORK SERVICE

(N)

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

(N)

B7.7.2 Application of Rates

(M)

- A. Monthly rates and charges as specified in B7.7.4 following apply for each SMARTRing service. Customers must specify network capacity at the time of the initial order. In an Overlay Ring Arrangement where a customer's overlaying SMARTRing service rides the customer's host SMARTRing service, the overlay ring will share the transport of the host ring between common node locations. Rate categories at OC-3, OC-3+, OC-12, OC-48, OC-48+ and OC-192+ capacity levels include Customer Nodes, Central Office Nodes, Local Channels, Alternate Central Office Channels, Interoffice Channels and Internodal Channels. Channel Interfaces are required at each node on the network and must be associated with a SMARTRing service. An OC-3 Overlay Ring Arrangement requires an OC-3 Channel Interface at each node involved. An OC-3+ or OC-12 Overlay Ring Arrangement requires an OC-12 Channel Interface at each node involved. An OC-48/OC-48+ Overlay Ring arrangement requires an OC-48 Channel Interface at each node involved. In Overlay Ring Arrangements, the customer must order a Channel Interface for each entry to or exit from the host ring. In all other situations, the number of Channel Interfaces ordered will depend on whether the customer desires a working interface, or a working interface and a protection interface. The quantity of channel interfaces ordered may not exceed the capacity ordered. When a 28 DS1 Channel System is utilized to activate DS1 channels, the appropriate number of DS1 Channel Interfaces are required in lieu of an originating or terminating DS3 Channel Interface. SMARTRing service interfaces may be ordered as asymmetrical (i.e., a circuit enters one node at a lower level interface and exits at another node at a higher level interface).

(M)

Material appearing on this page previously appeared on page(s) 59.1 of this section.

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B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

B7.7.2 Application of Rates (Cont'd)

G. (Cont'd)

7. (Cont'd)

- b. The customer's SMARTRing service, to which the network services are reconfigured, must be ordered under a CSPP. However, individual DS1 and/or DS3 channel interfaces associated with SMARTRing service may be provided under month-to-month terms if the existing services were provided under month-to-month rates.
- c. Special promotional waivers will be processed as projects for each customer designated location, and all associated connect and disconnect orders must be placed at the same time. Reconfiguration work must be completed within twelve months of the customer order date. Only one reconfiguration plan will be permitted per customer location.
- d. Special promotional waivers shall not apply when the service is moved by the customer from one location to another.
- e. In the event the SMARTRing service is disconnected at the customer's request prior to the expiration of the CSPP, full nonrecurring charges associated with ring level billing will apply.

H. SMARTRing service Local Channel, Alternate Central Office Channel and Internodal Channel rates are distance sensitive. They are measured per quarter airline mile or fraction thereof from the customer's designated premises to the Serving Wire Center, Alternate Central Office, or other Customer Nodes. V&H coordinates are derived for each customer location through the use of longitude and latitude measurements. Using the V&H coordinate method as set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4, compute the mileage, convert to quarter miles, and multiply the appropriate per quarter mile rate by the distance involved. Any portion of a quarter mile will always round up to the next quarter mile before determining the mileage and applying the rate. For channels which are less than one quarter mile, a minimum charge of one quarter mile applies.

I. The SMARTRing service Interoffice Channel mileage is calculated per quarter airline mile between two directly connected central offices on the ring. Interoffice Channel mileage is computed by using the V&H coordinates method as set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4. To determine the rate to be billed, multiply the appropriate per quarter mile rate by the distance involved. Fractions of a quarter mile always round up to the next quarter mile before determining the mileage and applying the rate. For channels which are less than one quarter mile, a minimum charge of one quarter mile applies.

J. A nonrecurring charge applies for SMARTRing service Surveillance, one for each Customer Node and each Central Office Node, per SMARTRing service rearranged. A nonrecurring charge applies for Reconfiguration, one per reconfiguration of each STS-1 group at each node where such reconfiguration capability is desired. These rate elements apply when the Customer adds FlexServ service to an existing SMARTRing service.

K. For SMARTRing service configured with a Virtual Packet Ring(s), an individual VPR requires multiple (i.e., two or more) Basic Shared Ethernet LAN Access Links.

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B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

B7.7.3 Architecture

A. SMARTRing Service

The SMARTRing service configuration utilizes a multi-nodal ring architecture which is specified jointly by the Company and the customer. The minimum configuration provides dedicated DS3 (44.736 Mbps) and/or DS1 digital services and must include at least three nodes. One node must be a Central Office Node in Company Central Office. The remaining two nodes may be either Central Office Nodes in a Company Central Offices or Customer Nodes at customer designated locations, or one of each. Additional nodes above the three node minimum may be any combination thereof. The maximum number of nodes will be determined based on equipment capability. The nodes are connected by SMARTRing service Local Channels, Alternate Central Office Channels, Interoffice Channels and Internodal Channels as applicable. SMARTRing service may be connected to other high capacity services only at Central Office Nodes.

Applicable rate elements for this service are:

- Customer Nodes provide ring switching capabilities at customer designated locations other than Telephone Company Premises that are part of SMARTRing service. This rate element offers OC-3, OC-3+, OC-12, OC-48, OC-48+, OC-192 or OC-192+ network capacities. A summary of the channel interfaces available with each node are specified in B7.7.1 preceding.
- Customer Channel Interface provides DS1, DS3, STS-1, OC-3, OC-12, OC-48, 10 Mbps, 100 Mbps, Fractional 1000 Mbps and/or 1000 Mbps connectivity that may take place at each Customer Node of SMARTRing service. The Customer Channel Interface rate element applies for every interface capacity that originates or terminates at a Customer Node.
- Central Office Node provides ring switching capabilities at Company Central Offices that are a part of SMARTRing service. This rate element offers OC-3, OC-3+, OC-12, OC-48, OC-48+, OC-192 or OC-192+ network capacities. A summary of the channel interfaces available with each node are specified in B7.7.1 preceding.
- Central Office Channel Interface provides DS1, DS3, STS-1, OC-3, OC-12, OC-48, 10 Mbps, 100 Mbps, Fractional 1000 Mbps and/or 1000 Mbps connectivity that may take place at each Central Office Node located on SMARTRing service. The Central Office Channel Interface rate element applies for every interface capacity that originates or terminates at a Central Office Node. Customers with DS3 or STS-1 interfaces at the Customer Node electing to connect with DS1 services at a Central Office Node must obtain a 28-DS1 Channel System. STS-1 interfaces may only connect to other compatible STS-1 services.
- Local Channel (at least one for each Customer Node which is directly connected to the serving wire center), provides for the communications path between a Customer Node and the serving wire center of the premises where located.
- Alternate Central Office Channel (at least one for each Customer Node which is directly connected to an Alternate Central Office), provides for the communications path, where requested, between a Customer Node and an Alternate Central Office.
- Interoffice Channel (one for each path between each two directly connected Company Central Offices), provides for the communications path between directly connected Company Central Offices located on a SMARTRing service.

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B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

B7.7.3 Architecture (Cont'd)

A. SMARTRing Service (Cont'd)

- Internodal Channel (one for each path between two directly connected Customer Nodes), provides for the communications path between two directly connected Customer Nodes located (a) in the same Serving Wire Center area or (b) in the same Office Park/Campus Environment or contiguous property, located in contiguous Serving Wire Center areas.
- Channel Interface Capacity Reallocation (one per node per occurrence), allows the customer to reallocate channel interfaces on a node subsequent to the initial installation of the channel interfaces. For example, a customer may initially allocate, activated or spare, eighty-four DS1s at each node on the ring and may subsequently request Channel Interface Capacity Reallocation to drop one DS3 and fifty-six DS1s at each node, or other combination of DS3s and/or DS1s equivalent to an OC-3 network capacity.
- SMARTRing service OC-3, OC-12, or OC-48 channel interfaces are associated with optical circuits within a SMARTRing service arrangement. These optical circuits may be provisioned as concatenated. When an optical circuit is provisioned as concatenated, the multiple STS-1s within the optical circuit are provided as a single entity with a single overhead channel.
- SMARTRing service interfaces may be ordered as asymmetrical (i.e., a circuit enters one node at a lower level interface and exits at another node at a higher level interface). For example, a customer may have a service that connects to a ring via an OC-3 interface at a node. That service is then transported around the ring and connects via an OC-12 interface to another of the customer's services. The allowable asymmetrical interface arrangements for the various ring sizes are as shown in Technical Reference TR-73582.
- When the distance between nodes on a SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) is such that optical signal regeneration is required, then regeneration equipment will be provided at no additional charge to the customer to assure proper operation of the service. In some cases regeneration will be provided via SONET Add/Drop equipment called a Regeneration Node. A Regeneration Node does not contain the capability to add or drop services. Accordingly, FlexServ service Customer Network Management may not be ordered with a Regeneration Node, however, a customer may monitor a Regeneration Node via the FlexServ service Customer Network Management Surveillance option when a customer has established surveillance for a ring. Regeneration Node Surveillance is provided as a part of the charges associated with the customer's ring level FlexServ service Customer Network Management Surveillance. A Regeneration Node and Regeneration Node Surveillance, as applicable, will appear on a customer's records as a non-rated USOC, as follows:

Regeneration Node, all ring capacities, non-rated

SHNRD

Regeneration Node Surveillance, all ring capacities, non-rated

SHNRS

- SMARTRing service Virtual Packet Rings may be established to work with either electrical or optical Basic Shared Ethernet LAN Access Links. A Virtual Packet Ring established associated with electrical access links will only work with electrical Basic Shared Ethernet LAN Access Links and a Virtual Packet Ring established associated with optical access links will only work with optical Basic Shared Ethernet LAN Access Links. Electrical and optical access links may not be mixed on the same Virtual Packet Ring. (N)
- An individual Basic Shared Ethernet LAN Access Link associated with a VPR may not be equal to the size of the VPR and the sum of all or access links on a VPR must be equal to or less than the size (i.e., capacity) of the Virtual Packet Ring. An individual SMARTRing service arrangement may have multiple Virtual Packet Rings, up to and including the capacity of the ring. (N)
- Customer requested upgrades of SMARTRing service will involve a service outage associated with Basic Shared Ethernet LAN Access Links, for which a credit for service outage shall not apply. (N)

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BY: Marshall M. Criser III, President -FL
Miami, Florida

B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

B7.7.4 Rates and Charges (Cont'd)

A. Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing Service) (Cont'd)

4. Internodal Channel Mileage Rates (All Capacities)

	Nonrecurring Charge	Month To Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
(a) Per Internodal Channel, Same Wire Center area	\$505.00	\$-	\$-	\$-	\$-	1HNXX
(b) Per quarter air mile, Same Wire Center	-	1,400.00	535.00	415.00	345.00	1HNWX
(c) Per Internodal Channel, Same Office Park/Campus Environment in Contiguous Serving Wire Center areas	505.00	-	-	-	-	1HNZX
(d) Per quarter air mile, same Office Park/Campus Environment in contiguous Serving Wire Center areas	-	1,600.00	650.00	465.00	390.00	1HNCX

5. Customer Node (per Node)

(a) OC-3 capacity	370.00	2,300.00	990.00	900.00	810.00	SHNC3
(b) OC-3+ capacity	370.00	2,700.00	1,845.00	1,575.00	1,350.00	SHNN5
(c) OC-12 capacity	375.00	3,590.00	1,980.00	1,800.00	1,575.00	SHNC1
(d) OC-48 capacity	375.00	5,220.00	4,410.00	4,050.00	3,510.00	SHNN8
(e) OC-48+ capacity	375.00	5,850.00	4,410.00	4,050.00	3,510.00	SHNN9
(f) OC-192 capacity	540.00	25,000.00	9,375.00	8,250.00	7,300.00	SHNN6
(g) OC-192+ capacity	540.00	25,000.00	9,375.00	8,250.00	7,300.00	SHNN2

(M)

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B7. DIGITAL NETWORK SERVICE (N)

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (N)
(Cont'd)

B7.7.4 Rates and Charges (Cont'd) (N)

A. Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing Service) (Cont'd) (N)

6. Customer Channel Interface (per Node) (M)

	Nonrecurring Charge	Month To Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC	
(a) Per DS1	\$165.00	\$45.00	\$30.00	\$25.00	\$20.00	SHNBB	(M)
(b) Per DS3	130.00	170.00	135.00	130.00	125.00	SHNZT	(M)
(c) Per STS-1	130.00	220.00	170.00	150.00	140.00	SHN13	(M)
(d) Per OC-3, 2 fiber	130.00	255.00	190.00	170.00	160.00	SHN1D	(M)
(e) Per OC-3, 4 fiber	130.00	515.00	380.00	340.00	320.00	SHN15	(M)
(f) Per OC-12, 2 fiber	345.00	745.00	515.00	475.00	440.00	SHN1F	(M)
(g) Per OC-12, 4 fiber	345.00	1,490.00	1,030.00	950.00	880.00	SHN19	(M)
(h) Per OC-48, 2 fiber	420.00	1,600.00	1,325.00	1,215.00	1,050.00	SHN1A	(M)
(i) Per OC-48, 4 fiber	420.00	3,200.00	2,650.00	2,430.00	2,100.00	SHN1B	(M)
(j) Per DS1 within an STS-1 Asymmetrical Arrangement	330.00	25.00	22.00	20.00	18.00	SHNBS	(M)
(k) Per DS3 (Asymmetrical with DS1)	360.00	550.00	450.00	400.00	350.00	SHN1T	(M)
(l) Per 1000 Mbps <i>850 nm Multi-mode</i>	400.00	740.00	520.00	475.00	425.00	SHN1K	(T)(M)
(m) Per 1000 Mbps 1310 nm Single-mode	400.00	740.00	520.00	475.00	425.00	SHN3K	(N)
(n) Per 10 Mbps	450.00	500.00	175.00	155.00	140.00	SHN1M	(T)(M)
(o) Per 100 Mbps	450.00	540.00	210.00	190.00	170.00	SHN1N	(T)(M)
(p) Per 100 Mbps (3 STS-1) – Optical 1310 nm Single-mode	450.00	540.00	210.00	190.00	170.00	SHN3N	(N)
(q) Per Fractional 1000 Mbps							(T)
- 50 Mbps <i>850 nm Multi-mode</i>	450.00	520.00	190.00	170.00	150.00	SHN1O	(T)(M)
- 50 Mbps 1310 NM Single-mode	450.00	520.00	190.00	170.00	150.00	SHN3O	(N)
- 150 Mbps <i>850 nm Multi-mode</i>	450.00	560.00	230.00	210.00	190.00	SHN1P	(T)(M)
- 150 Mbps 1310 NM Single-mode	450.00	560.00	230.00	210.00	190.00	SHN3P	(N)
- 300 Mbps <i>850 nm Multi-mode</i>	450.00	600.00	300.00	280.00	260.00	SHN1R	(T)(M)
- 300 Mbps 1310 NM Single-mode	450.00	600.00	300.00	280.00	260.00	SHN3R	(N)
- 450 Mbps <i>850 nm Multi-mode</i>	450.00	640.00	340.00	310.00	290.00	SHN1U	(T)(M)
- 450 Mbps 1310 NM Single-mode	450.00	640.00	340.00	310.00	290.00	SHN3U	(N)
- 600 Mbps <i>850 nm Multi-mode</i>	450.00	700.00	380.00	340.00	320.00	SHN1V	(T)(M)
- 600 Mbps 1310 NM Single-mode	450.00	700.00	380.00	340.00	320.00	SHN3V	(N)
(r) Per Flex DS1	360.00	45.00	34.00	27.00	25.00	SHN1Q	(T)(M)

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B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

B7.7.4 Rates and Charges (Cont'd)

A. Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing Service) (Cont'd)

7. Central Office Node (per Node)

	Nonrecurring Charge	Month To Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC	
(a) OC-3 capacity	\$370.00	\$1,400.00	\$990.00	\$900.00	\$810.00	SHNH3	(T)
(b) OC-3+ capacity	370.00	2,250.00	1,845.00	1,575.00	1,350.00	SHNH5	
(c) OC-12 capacity	375.00	2,680.00	1,980.00	1,800.00	1,575.00	SHNH1	
(d) OC-48 capacity	375.00	4,860.00	4,110.00	4,050.00	3,510.00	SHNH8	
(e) OC-48+ capacity	375.00	5,490.00	4,110.00	4,050.00	3,510.00	SHNH9	
(f) OC-192 capacity	540.00	25,000.00	9,375.00	8,250.00	7,300.00	SHNH7	
(g) OC-192+ capacity	540.00	25,000.00	9,375.00	8,250.00	7,300.00	SHNH6	

8. Central Office Channel Interface (per Central Office Node)

(a) Per DS1	125.00	40.00	35.00	30.00	25.00	SHNCB	
(b) Per DS3	185.00	115.00	85.00	80.00	75.00	SHNYT	
(c) Per STS-1	215.00	150.00	105.00	100.00	90.00	SHNO2	
(d) Per OC-3, 2 fiber	340.00	255.00	190.00	170.00	160.00	SHNCD	
(e) Per OC-3, 4 fiber	340.00	515.00	380.00	340.00	320.00	SHNO4	
(f) Per OC-12, 2 fiber	540.00	745.00	515.00	475.00	440.00	SHNCF	
(g) Per OC-12, 4 fiber	540.00	1,490.00	1,030.00	950.00	880.00	SHNC9	
(h) Per OC-48, 2 fiber	650.00	1,600.00	1,325.00	1,215.00	1,050.00	SHNCJ	
(i) Per OC-48, 4 fiber	650.00	3,200.00	2,650.00	2,430.00	2,100.00	SHNCK	
(j) Per 28 DS1 Channel System (DS3)	140.00	700.00	600.00	550.00	525.00	SHNW8	
(k) Per 28 DS1 Channel System (STS-1)	140.00	750.00	550.00	500.00	450.00	SHNCS	
(l) Per DS1 on 28 DS1 Channel System (DS3)	140.00	18.00	12.00	9.00	8.00	SHNCA	
(m) Per DS1 on 28 DS1 Channel System (STS-1)	155.00	40.00	35.00	30.00	25.00	SHNCG	
(n) Per DS1 within an STS-1 Asymmetrical Arrangement	360.00	25.00	22.00	20.00	18.00	SHNCH	
(o) Per DS3 (Asymmetrical with DS1)	400.00	550.00	450.00	400.00	350.00	SHNCT	
(p) Per 1000 Mbps	400.00	740.00	520.00	475.00	425.00	SHNCW	
(q) Per 10 Mbps	450.00	500.00	175.00	155.00	140.00	SHNCM	
(r) Per 100 Mbps (3 STS-1)	450.00	540.00	210.00	190.00	170.00	SHNCN	(T)
(s) Per Fractional 1000 Mbps							
- 50 Mbps	450.00	520.00	190.00	170.00	150.00	SHNCO	
- 150 Mbps	450.00	560.00	230.00	210.00	190.00	SHNCP	
- 300 Mbps	450.00	600.00	300.00	280.00	260.00	SHNCR	
- 450 Mbps	450.00	640.00	340.00	310.00	290.00	SHNCU	
- 600 Mbps	450.00	700.00	380.00	340.00	320.00	SHNCV	
(t) Per Flex DS1	250.00	40.00	30.00	25.00	20.00	SHNCQ	

B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

B7.7.4 Rates and Charges (Cont'd)

A. Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing Service) (Cont'd)

9. Channel Interface Capacity Reallocation

(a) Per Node, Per occurrence	Nonrecurring Charge	USOC
	\$290.00	SHRBC

10. Concatenation Rearrangement Charge

(a) Per OC-3, OC-12 or OC-48 optical circuit rearranged as concatenated or non-concatenated subsequent to the initial installation of the circuit	Monthly Rate	Nonrecurring Charge	USOC
	\$-	Initial Subsequent	NRCCN
		\$- \$500.00	

11. SMARTRing Service Rearrangement

(a) Surveillance, Per Node, per SMARTRing service	-	-	255.00	SHNRR
(b) Reconfiguration, Per STS-1 group, per Node	-	-	365.00	SHNR1

12. Basic Shared Ethernet LAN Access Link – Customer Premises

	Nonrecurring Charge	Month to Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
(a) Per 10 Mbps Basic Shared Ethernet LAN Access Link - Electrical1	2,050.00	730.00	250.00	220.00	200.00	SHN1G (N)
(b) Per 100 Mbps Basic Shared Ethernet LAN Access Link - Electrical1	2,050.00	780.00	300.00	280.00	250.00	SHN1H (N)
(c) Per 100 Mbps Basic Shared Ethernet LAN Access Link – Optical 1310 nm Single-mode1	2,050.00	780.00	300.00	280.00	250.00	SHN1I (N)
(d) Per Fractional 1000 Mbps Basic Shared Ethernet LAN Access Link - Optical1						
- 50 Mbps 850 nm Multi-mode	2,050.00	750.00	280.00	250.00	240.00	SHN1S (N)
- 50 Mbps 1310 nm Single-mode	2,050.00	750.00	280.00	250.00	240.00	SHN3S (N)
- 150 Mbps 850 nm Multi-mode	2,050.00	810.00	330.00	300.00	280.00	SHN1W (N)
- 150 Mbps 1310 nm Single-mode	2,050.00	810.00	330.00	300.00	280.00	SHN3W (N)
- 300 Mbps 850 nm Multi-mode	2,050.00	870.00	440.00	410.00	380.00	SHN1X (N)
- 300 Mbps 1310 nm Single-mode	2,050.00	870.00	440.00	410.00	380.00	SHN3X (N)
- 450 Mbps 850 nm Multi-mode	2,050.00	930.00	490.00	450.00	420.00	SHN1Y (N)
- 450 Mbps 1310 nm Single-mode	2,050.00	930.00	490.00	450.00	420.00	SHN3Y (N)
- 600 Mbps 850 nm Multi-mode	2,050.00	1,020.00	550.00	490.00	460.00	SHN1Z (N)
- 600 Mbps 1310 nm Single-mode	2,050.00	1,020.00	550.00	490.00	460.00	SHN3Z (N)

13. Virtual Packet Ring Rearrangement Charge

(a) Per service order associated with a rearrangement to increase or decrease a virtual packet ring subsequent to the initial setup of the virtual packet ring	Monthly Rate	Nonrecurring Charge	USOC
	-	Initial Subsequent	SHNRP (N)
		- \$500.00	

Note 1: Basic Shared Ethernet LAN Access Link interfaces are available based on equipment capability and only at Customer Nodes. (N)

(M)

B7. DIGITAL NETWORK SERVICE

B7.8 SMARTPath Service

B7.8.1 General

- A. SMARTPath service is furnished for Private Line IntraLATA Communications by the Company. (M)
- B. SMARTPath service is a service for transmission of digital signals only and uses only digital transmission facilities. (M)
- C. SMARTPath service is a shared high capacity network service capable of providing a 1.544 Mbps transport link with high performance and reliability parameters and a level of redundancy/diversity designed to limit a single event from interrupting service. (M)
- D. This service is available only in those locations within specified SMARTPath service Areas which the Company determines can be incorporated into the SMARTPath service network enabling the Company to provide the specified level of performance and reliability. For locations where a customer requests SMARTPath service and facilities are not available, construction charges will apply as set forth on Section B5. preceding. (M)
- E. SMARTPath service Areas are identified in the NATIONAL EXCHANGE CARRIER TARIFF (NECA) F.C.C. No. 4. (M)
- F. The technical specifications and standard network interfaces for SMARTPath service are contained in BellSouth Services Technical Reference Publication 73575. This publication is available from BellSouth Services Documentation Operations, North W5A1, 3535 Colonnade Parkway, Birmingham, Alabama 35243. (M)
- G. DS1s carried over Synchronous Optical Network (SONET) transport systems can incur phase transients as a result of pointer adjustments. In some instances timing problems could surface in customer's equipment with Stratum 3 or better clocks. This may result in the customer's clock disqualifying its synchronization reference, generating an alarm and/or selecting an alternate reference or entering holdover. To insure proper operation, channelized DS1 circuits must comply with Bellcore Technical Advisory, TA-NWT-000436, Digital Synchronization Network Plan, and ANSI T1.101-1994. When timing is taken from a Company transported DS1, the customer's equipment must be capable of accommodating SONET pointer adjustments. (M)

B7.8.2 Regulations

- A. Description of Service (M)
 - 1. SMARTPath service provides a transport link between a customer designated premises where the network is accessed and (1) another customer designated premises, in the same SMARTPath service Area or (2) a serving wire center in the same SMARTPath service Area for connection to (a) MegaLink Channel Service, FlexServ service, or LightGate service, or (b) a SMARTPath service Area Junction of another SMARTPath service area in the same Metropolitan Area. (M)
 - 2. The performance objectives for SMARTPath service are as follows: (M)
 - a. Meet or exceed 99.99 percent Circuit Availability on a monthly basis. This objective applies except where a customer's equipment is disconnected and/or inoperative. (M)
 - b. Meet or exceed 99.95 percent Error Free Seconds on a monthly basis. (M)
 - c. Meet or exceed .009 percent Severely Errored Seconds on a monthly basis. (M)

Material appearing on this page previously appeared on page(s) 67 of this section.

B7. DIGITAL NETWORK SERVICE

CONTENTS

B7.5	MegaLink ISDN Service (Obsoleted. See Section B107.)		
B7.6	Reserved for Future Use	58	
B7.7	SMARTRing Service	58	
B7.7.1	General	58	
B7.7.2	Application of Rates	59.3	(T)
B7.7.3	Architecture	63	(T)
B7.7.4	Rates and Charges	64	
B7.8	SMARTPath Service	67.1	(T)
B7.8.1	General	67.1	(T)
B7.8.2	Regulations	67.1	(T)
B7.8.3	Rates and Charges	70	
B7.9	MegaLink Plus Service	72	
B7.9.1	General	72	
B7.9.2	Regulations	72	
B7.9.3	Rates and Charges	74	
B7.10	MegaLink Light Service	76	
B7.10.1	General	76	
B7.10.2	Regulations	76	
B7.10.3	Rates and Charges	79	
B7.11	Business Programs	81	
B7.11.1	BellSouth Select Business Program	81	