
BellSouth Telecommunications, Inc.

150 South Monroe Street
Suite 400
Tallahassee, Florida 32301

nancy.sims@bellsouth.com

Nancy H. Sims

Director
Regulatory Relations

Phone: (850) 222-1201

Fax (850) 222-8640

June 29, 2005

Ms. Beth Salak
Director
Division of Competitive Markets and Enforcement
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Dear Ms. Salak:

Pursuant to Florida Statute 364.051, we are filing herewith revisions to the BellSouth® General Subscriber Service Tariff. Following are the affected pages:

General Subscriber Service Tariff and Private Line Services Tariff

See attached list.

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

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

Your consideration and approval is appreciated.

Sincerely,

Nancy H. Sims (slg)

Nancy H. Sims
Director
Regulatory Relations

Attachments

All BellSouth marks contained herein are owned by BellSouth Intellectual Property Corporation

GENERAL SUBSCRIBER SERVICE TARIFF

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PRIVATE LINE SERVICES TARIFF

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	Second Revised Page 67
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EXECUTIVE SUMMARY
(FL2005-144)

Introduction

This tariff filing introduces new FlexServ® Service capabilities for SMARTRing® Service in the General Subscriber Service Tariff and Private Line Services Tariff.

Service Description

FlexServ® Service presently provides a varied range of surveillance and reconfiguration capabilities for various services.

SMARTRing® Service in the Private Line Services Tariff presently provides customers with ring capacities from an OC-3 (3 DS3) through an OC-192 (192 DS3). The service also contains interface capabilities from the DS1 level up through an OC-48. This filing introduces the ability for SMARTRing® Service customers to subscribe to FlexServ® Service surveillance and reconfiguration capabilities for their rings.

The filing introduces new FlexServ® Service surveillance and reconfiguration capabilities for SMARTRing® Service that will serve to meet customer's needs.

Cost Information

The new features for SMARTRing® will cover its costs.

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

Tariff Revisions
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A32. INTEGRATION PLUS* MANAGEMENT SERVICES (IPMS) (T)(P)

A32.1 Integration Plus* Management Services (IPMS) Description (Cont'd) (T)

A32.1.3 FlexServ® Service (Cont'd) (T)

A. Regulations (Cont'd)

1. Basic FlexServ® Service (Cont'd) (T)

With the customer's initial order for basic FlexServ® service, the Company provides the capability for one connection to the Company for the communication of monitoring and reconfiguration signals. This capability is referred to in this Tariff as access to FlexServ® service or "User Access". One customer identification code with password security is included with such access. (T)

With the customer's initial order, the Company provides one customer training class for up to five (5) persons. The class length of this initial training is two consecutive eight hour days. These training classes are conducted at a designated Company location. Transportation, lodging and food for the attendees will be the responsibility of the customer. If the customer desires for the initial training to be conducted on his premises, then the customer is responsible for the transportation, lodging, and food for the trainer. In addition, the customer is responsible for having the appropriate equipment on his premises. (E)

Reconfiguration and monitoring are not available during the performance of routine maintenance of the Company's facilities and equipment used to provide FlexServ® service. (T)

Different switching options may be available in the same central office. If customers desire more than one switching option in the same central office and facilities are available, a channel connection is required for each FlexServ® service switching option connected. (T)

The regulations and rates specified herein are in addition to the applicable regulations and rates specified in other sections of this Tariff.

The Company is authorized to provide FlexServ® service for use in application testing subject to the general regulations set forth in A2.5.11 and subject to the specific FlexServ® service regulations provided following: (T)

a. Up to three (3) FlexServ® service Digital DS0 Channel Connections (USOC:DSLSA) may be utilized in a typical applications test configuration for a customer. The Company is authorized to deviate from this average in order to fully participate in an application test with a customer which cannot otherwise be performed to the customer's satisfaction. Such Digital DS0 Channel Connections shall be available only in conjunction with SynchroNet® service which is also being installed for the purpose of conducting an application test (subject to the general regulations set forth in B2.1.16. of the Private Line Service Tariff). Customer requests for the Company to perform FlexServ® service reconfigurations (USOC:FSSRA) during the application test period shall be made at no charge. (T)

2. Customer Circuits

There are ~~three~~ five (5) types of channel connections which can be connected to FlexServ service - DS0 (Single channel), DS1 (1.544 Mbps) digital circuits, ~~and~~ DS3 (44.736 Mbps) digital circuits, SMARTRing service and STS-1 (51.84Mbps) digital circuits. (C)

DS0 Channel Connections - There are two types of DS0 channel connections - Voice Grade and Digital. Both types of DS0 connections will be switched at a DS0 level.

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A32. INTEGRATION PLUS* MANAGEMENT SERVICES (IPMS)⁴ (T)(N)

A32.1 Integration Plus* Management Services (IPMS) Description (Cont'd) (T)

A32.1.3 FlexServ[®] Service (Cont'd) (T)

A. Regulations (Cont'd)

2. Customer Circuits (Cont'd)

DS1 Channel Connections - There are two types of connections available for a customer desiring to terminate a DS1 circuit - DS0 switching and DS1 switching. For example, if a customer needs to be able to monitor or reconfigure the twenty-four DS0 circuits riding on the DS1 channel, then the customer would purchase a DS1 channel connection with DS0 switching. If the customer does not need access to the individual DS0 circuits, then the customer would purchase a DS1 channel connection with DS1 switching.

DS3 Channel Connections - There are two types of connections available for terminating a DS3 circuit - DS0 and DS1. If a customer needs monitoring or reconfiguration capability for 672 individual DS0 circuits, then the customer would purchase a DS3 channel connection with DS0 switching. If the customer only needs access to the twenty-eight DS1 circuits, then the customer would purchase a DS3 channel connection with DS1 switching.

SMARTRing service Channel Connections - FlexServ service is available only with OC-3 OC-3+, OC-12, OC-48, OC-48+, OC-192 or OC-192+ SMARTRing service. There are two options available for SMARTRing service channel connections - Surveillance and Reconfiguration. Surveillance allows the customer to monitor the ring and retrieve performance monitoring data. Surveillance will be ordered on a per SMARTRing node basis. Customers who order Surveillance must order it for all nodes on the ring. Reconfiguration will allow the customer to reconfigure circuits associated with SMARTRing service channel interfaces and must be ordered on a per interface basis. Customers who order Reconfiguration must already be subscribing to Surveillance or be ordering Surveillance coincident with Reconfiguration. Reconfiguration may not be ordered without Surveillance. Within each STS-1 group, all activated interfaces must be optioned the same (either all Surveillance only or all Surveillance and Reconfiguration). A Service Establishment Charge for new customer account setup applies as well as a charge for a Security Card, which is required for web access of the Management Terminal Interface. (N)

FlexServ service is available on the following SMARTRing service Overlay Ring Arrangements: (S=Surveillance and R=Reconfiguration) (N)

<u>OVERLAYING</u> SMARTRing Service	<u>HOST SMARTRing Service</u>					
	<u>OC-12</u>	<u>OC-48</u>	<u>OC-48+</u>	<u>OC-192</u>	<u>OC-192+</u>	
	<u>S</u> <u>R</u>	<u>S</u> <u>R</u>	<u>S</u> <u>R</u>	<u>S</u> <u>R</u>	<u>S</u> <u>R</u>	
<u>OC-3</u>	<u>X</u> <u>X</u>	<u>X</u> <u>X</u>	<u>X</u> <u>X</u>	<u>X</u> <u>X</u>	<u>X</u> <u>X</u>	(N)
<u>OC-3+</u>		<u>X</u> <u>X</u>	<u>X</u> <u>X</u>	<u>X</u> <u>X</u>	<u>X</u> <u>X</u>	(N)
<u>OC-12</u>		<u>X</u> <u>X</u>	<u>X</u> <u>X</u>	<u>X</u> <u>X</u>	<u>X</u> <u>X</u>	(N)
<u>OC-48</u>				<u>X</u> <u>X</u>	<u>X</u> <u>X</u>	(N)

On an Overlay Ring arrangement, Surveillance must be ordered for each node on both the host ring and the overlay ring. (N)

3. Maintenance

Due to the nature of FlexServ[®] service it may be necessary to perform preventive maintenance on the system. This will mean that the FlexServ[®] service controller will be unavailable for circuit reconfiguration during these periods of time when maintenance is being performed. Any circuits which are working will continue in operation, only the reconfiguration capability will not be usable. It may also be necessary to periodically take the FlexServ[®] service system out of service for software updates and other maintenance. In these cases the customers will be notified in advance as to the time and duration of these outages. (T)

4. Service Availability

FlexServ[®] service is furnished only in serving wire centers where facilities are available. (T)

5. Local and Interoffice Channels

The Local and Interoffice Channels which are terminated into FlexServ[®] service are provided out of this Tariff and the Private Line Services Tariff, and are subject to all regulations and charges contained in their respective tariffs in addition to those contained herein. (T)

~~6. Local exchange services connecting to FlexServ service utilizing a voice grade DS0 channel connection are available with Network Access Register (NAR) Packages located in Section A3. of this Tariff.~~ (M)

Material previously appearing on this page now appears on page(s) 8 of this section.

BELLSOUTH
TELECOMMUNICATIONS, INC.
FLORIDA

GENERAL SUBSCRIBER SERVICE TARIFF

First Revised Original Page 7
Cancels Original Page 7

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

~~Calls routed to Public Service Answering Positions for 911 emergency calls over services terminated in FlexServ service will result in incorrect address information being generated in an emergency situation. When local exchange type services terminate in FlexServ service, the customer has reconfiguration capability. Therefore the address on the customer record is the central office where the dialtone originates and terminates into FlexServ service. The Company will not be liable for any actions which occur as a result of emergency vehicles being dispatched to an incorrect address.~~

~~**Note 1:** Text is shown as new due to reissue of all Tariff Sections. No changes in rates or regulations were made with this filing.~~

Material previously appearing on this page now appears on page(s) 8 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.

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BY: ~~Joseph P. Lacher~~ Marshall Criser III, President - FL
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A32. INTEGRATION PLUS[®] MANAGEMENT SERVICES (IPMS)⁴

(T)

A32.1 Integration Plus[®] Management Services (IPMS) Description (Cont'd)

(T)

A32.1.3 FlexServ[®] Service (Cont'd)

(T)

A. Regulations (Cont'd)

6. Local exchange services connecting to FlexServ[®] service utilizing a voice grade DS0 channel connection are available with Network Access Register (NAR) Packages located in Section A3. of this Tariff. ~~(Cont'd)~~ (T)

Calls routed to Public Service Answering Positions for 911 emergency calls over services terminated in FlexServ[®] service will result in incorrect address information being generated in an emergency situation. When local exchange type services terminate in FlexServ[®] service, the customer has reconfiguration capability. Therefore the address on the customer record is the central office where the dialtone originates and terminates into FlexServ[®] service. The Company will not be liable for any actions which occur as a result of emergency vehicles being dispatched to an incorrect address. (M)(T)

Customers are prohibited from using FlexServ[®] service to cross-connect any services in any manner that would result in the misapplication of charges for any services provided by the Company. The Company may audit the use of service to assure compliance with this restriction. When the Company's audits reveal violations of this restriction, the Company will issue a written notice of tariff violation to the customer. Continued violation after such notice will be grounds for termination of the FlexServ[®] service 30 days after a second notice of tariff violation. In such event, the customer will be responsible for payment of all nonrecurring charges associated with any required service rearrangements and for any termination charges resulting from such rearrangement. In addition, the customers will be responsible for payment of the charges avoided by such misuse of FlexServ[®] service. If such charges cannot be precisely determined from the Company's records, they may be estimated based upon audit data for any period of time greater than seven days, average usage levels for the service by the customer or other customers, and the highest potentially applicable rates. (T)

7. Security

FlexServ[®] service employs a multilevel system to ensure the privacy of customer networks. To access the network controller, a customer must enter a log-in ID and password. Additional security is offered with access to the network controller via a private line. (T)

8. Shared FlexServ[®] Service Arrangement

The customer may include circuits with FlexServ[®] service purchased from this Tariff in the same FlexServ[®] service arrangement with interexchange carriers who have purchased FlexServ[®] service for use in connection with dedicated access services used to provide interLATA service to the customer. (A FlexServ[®] service arrangement consists of all dedicated access services and private line services that can be monitored and reconfigured through the same User Access.) (T)

The customer must be authorized to represent the interexchange carrier(s) in all transactions and communications with the Company regarding the shared FlexServ[®] service arrangement or circuits included in that arrangement including reconfigurations, monitoring, ordering of additional dedicated access services and private line services in the arrangement and removal of dedicated access services and private line services from the arrangement. The Company will not process any orders or requests affecting that arrangement or circuits included in that arrangement except those submitted to the Company by the customer. (T)

The Company will not be liable for any loss to any of the interexchange carriers in a shared FlexServ[®] service arrangement caused directly or indirectly by actions of the customer. Each interexchange carrier in the shared arrangement and the customer indemnify the Company for the costs of any and all claims arising directly or indirectly out of the actions of the customer or any interexchange carrier in the shared arrangement, including, but not limited to, the cost of defending against such claims. (T)

Note 1: ~~Text is shown as new due to reissue of all Tariff Sections. No changes in rates or regulations were made with this filing.~~

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BY: ~~Joseph P. Lacher~~ Marshall Criser III, President - FI
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A32. INTEGRATION PLUS* MANAGEMENT SERVICES (IPMS)⁴ (T)

A32.1 Integration Plus* Management Services (IPMS) Description (Cont'd) (T)

A32.1.3 FlexServ[®] Service (Cont'd) (T)

D. Rate Element Description (Cont'd)

2. Rates and Charges (Cont'd)

b. Basic FlexServ[®] Service (Cont'd) (T)

(3) DS3 Channel Connections

	Installation Charge	Month to Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
(a) DS0 switching, per DS3 channel	\$125.00	\$1,425.00	\$1,310.00	\$1,210.00	\$1,170.00	DSL3A
(b) DS1 switching, per DS3 channel	125.00	375.00	345.00	320.00	300.00	DSL3B
(4) SMARTRing service Channel Connections						(N)
(a) Surveillance, Per Node, OC-3, OC-3+, OC-12	-	40.00	36.80	34.00	32.00	SHNSN (N)
(b) Surveillance, Per Node, OC-48, OC-48+	-	80.00	75.00	70.00	65.00	SHNS4 (N)
(c) Surveillance, Per Node, OC-192, OC-192+	-	120.00	110.00	100.00	95.00	SHNS9 (N)
(d) Reconfiguration, Per Customer or Central Office Channel Interface, DS1, DS3, OC-3 and OC-12	15.00	5.00	4.50	4.00	3.50	SHNRC (N)
(e) Reconfiguration, Per Customer or Central Office Channel Interface, OC-48	15.00	5.00	4.50	4.00	3.50	SHNRC (N)
(f) Reconfiguration, Per Customer or Central Office Channel Interface, 10 Mbps, 100 Mbps, 1000 Mbps and Fractional 1000 Mbps	15.00	5.00	4.50	4.00	3.50	SHNRO (N)
(g) Service Establishment Charge, Per New Customer Account Setup	250.00	:	:	:	:	SHNTD (N)
(h) Security Card, per card	200.00	:	:	:	:	SHNTC (N)
(5) STS Channel Connections						(N)
(a) VT1.5 switching, Per STS-1 channel	250.00	375.00	345.00	320.00	300.00	DSL5X (N)

c. FlexServ[®] Service Options (T)

(1) Additional Concurrent User Access

(a) Per Additional Concurrent User Access	125.00	68.00	60.00	57.00	54.00	FSSFU
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(2) Additional User Identification Codes

				Nonrecurring Charge	USOC
(a) Per Additional User Identification Code				\$3.00	FSSFA
(3) Additional Customer Training					
(a) Per eight hour day of training after initial installation				450.00	FSSFT

(4) Multipoint Bridging (M)

	Installation Charge	Month to Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
(a) Voice Grade Connections Per bridging leg	\$20.00	\$5.00	\$4.50	\$4.40	\$4.30	FSSEFM
(b) Multipoint Junction Unit Per 2.4, 4.8, 9.6 or 56 Kbps Channel	15.00	-6.00	5.25	5.00	4.75	FSSEJ

Material previously appearing on this page now appears on page(s) 13 of this section.

BELLSOUTH
TELECOMMUNICATIONS, INC.
FLORIDA

GENERAL SUBSCRIBER SERVICE TARIFF

~~Second First Revised~~ Page 12
Cancels ~~First Revised~~ Page 1212

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

(e) Multipoint Junction Unit Per 19.2	15.00	9.45	8.90	8.40	7.90	FSSF9
Connection [†]						
Kbps Channel Connection [†]						

Note 1: — One unit contains 5 connections so must purchase in groups of 5.

(M)

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A32. INTEGRATION PLUS* MANAGEMENT SERVICES (IPMS)⁴ (T)

A32.1 Integration Plus* Management Services (IPMS) Description (Cont'd) (T)

A32.1.3 FlexServ[®] Service (Cont'd) (T)

D. Rate Element Description (Cont'd)

2. Rates and Charges (Cont'd)

c. FlexServ[®] Service Options (Cont'd) (T)

(4) Multipoint Bridging (M)

	Installation Charge	Month to Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC	
(a) <u>Voice Grade Connections</u> <u>Per bridging leg</u>	<u>\$20.00</u>	<u>\$5.00</u>	<u>\$4.50</u>	<u>\$4.40</u>	<u>\$4.30</u>	FSSF	(M)
(b) <u>Multipoint Junction Unit</u> <u>Per 2.4, 4.8, 9.6 or 56 Kbps Channel Connection¹</u>	<u>15.00</u>	<u>6.00</u>	<u>5.25</u>	<u>5.00</u>	<u>4.75</u>	FSSFJ	(M)
(c) <u>Multipoint Junction Unit Per 19.2</u> <u>Kbps Channel Connection¹</u>	<u>15.00</u>	<u>9.45</u>	<u>8.90</u>	<u>8.40</u>	<u>7.90</u>	FSSF9	(M)
(5) <u>Subrate Reconfiguration Capability</u>							
(a) <u>Per DS0 Equipped (DS0B)</u>	\$45.00	\$-	\$-	\$-	\$-	DSL	(T)
(b) <u>Per DS0A</u> <u>9.6 Kbps, requires 5</u>	5.00	8.75	8.15	7.60	7.20	DSL	
(c) <u>Per DS0A</u> <u>4.8 Kbps, requires 10</u>	5.00	7.40	6.80	6.30	5.95	DSL	
(d) <u>Per DS0A</u> <u>2.4 Kbps, requires 20</u>	5.00	7.00	6.45	5.95	5.60	DSL	
(6) <u>Reconfiguration by Company Personnel,</u> <u>Request for Company to perform</u> <u>reconfiguration activity</u>							
(a) <u>Per Request</u>					Nonrecurring Charge \$25.00	USOC FSSRA	

A32.1.4 Network Usage Information Service

A. Regulations

- The rates in C. following are in addition to all other applicable rates required to provide these services.
- The Service Ordering charge found in Section A4. of this Tariff is applicable in addition to other rates and charges identified for this service.
- Network Usage Information Service will be available where facilities and technology permit.
- Where applicable, the customer is responsible for providing compatible premises equipment and software.
- A customer may request one traffic report to be provided to them annually at no charge. Charges are applicable for all Traffic Reports provided beyond the first report requested by and provided to the customer. A Traffic Report is done on a per measurement ID (i.e. Trunk Groups, Simulated Facility Groups, Single Line Usage as typical). A Service Establishment Charge and Port Connection Charge are not applicable. When a Traffic Report is requested by the customer, a study time will be determined based on availability of equipment utilized for this offering. The offering is provided on a per-report basis and will consist of a one-week analysis of the customer's central office based facilities.

Note 1: One unit contains 5 connections so must purchase in groups of 5. (M)

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B7. DIGITAL NETWORK SERVICE

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

B7.7.1 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. (T)
- 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. (T)
- 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. (T)
- 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. (T)
- 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. (N)
- 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. (N)
- 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. (N)

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 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). (T)(E)

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B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing[®]) Service (Cont'd) (T)

B7.7.2 Application of Rates (Cont'd) (T)

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. (T)
- 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. (T)

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. (T)(F)

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. (T)(F)

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. (N)

B7.7.3 Architecture

A. SMARTRing[®] Service (T)

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

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B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing®) Service (Cont'd) (T)

B7.7.3 Architecture (Cont'd)

A. SMARTRing® Service (Cont'd) (T)

- 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. (T)
- 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. (T)
- 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: (C)

Regeneration Node, all ring capacities, non-rated SHNRD

Regeneration Node Surveillance, all ring capacities, non-rated SHNRS (N)

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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)

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

(b) Reconfiguration, Per STS-1 group, per Node

-	-	255.00	SHNRR
-	-	365.00	SHNRI

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.
- 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 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.

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.
- 3. ~~The performance guarantee for SMARTPath service is as follows:~~

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

BELLSOUTH
TELECOMMUNICATIONS, INC.
FLORIDA

PRIVATE LINE SERVICES TARIFF

~~Second~~ First-Revised Page 67
Cancels First Revised Page 67

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

- ~~a. Guaranteed Service Installation—the Company will meet negotiated due date or credit an amount equal to the nonrecurring charge according to the Service Installation Guarantee described in B2.4.17.~~

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B7. DIGITAL NETWORK SERVICE

B7.8 SMARTPath Service (Cont'd)

B7.8.2 Regulations (Cont'd)

A. Description of Service (Cont'd)

3. The performance guarantee for SMARTPath service is as follows: ~~(Cont'd)~~ (T)(F)
 - a. Guaranteed Service Installation - the Company will meet negotiated due date or credit an amount equal to the nonrecurring charge according to the Service Installation Guarantee described in B2.4.17. (M)
 - b. Service Continuity - in the event of primary facility failure, service is guaranteed to switch to an alternate facility path in sixty seconds or less. Failure to meet this guarantee will result in a credit as described in B7.8.2.E.2. following where the trouble is in the network on public right-of-way.

B. Definitions

SMARTPath service Area Connection (F)

The SMARTPath service Area Connection provides for the connection at the designated premises where the customer gains access to SMARTPath service and transport to a designated junction in the same SMARTPath service Area. (F)

SMARTPath service Area Junction (F)

The SMARTPath service Area Junction provides for the connection between the SMARTPath service network 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) DS1 Basic Channelization, FlexServ service, or LightGate service, or (b) a SMARTPath service Area Junction of another SMARTPath service Area in the same Metropolitan Area. (F)

C. Application of Rates

1. Monthly rates and charges as specified in B7.8.3 following apply for each SMARTPath service. The transport provided within a SMARTPath service Area is provided at 1.544 Mbps. Rate categories include a SMARTPath service Area Connection, and a SMARTPath service Area Junction. (F)
2. Recurring and nonrecurring charges apply for each SMARTPath service Area connection and SMARTPath service Area Junction Connection. (F)
3. SMARTPath service is available under several payment plans: Month-to-month (with a 4 month minimum), Plan A (24-48 Months), Plan B (49-72 Months). Plan A and Plan B are provided under conditions specified in the Channel Services Payment Plan (CSPP), B2.4.9.B. preceding. If upon completion of a payment period option the customer does not select a new payment period or does not request discontinuance of service, service will be continued under the terms specified in B2.4.9.A.7 of this Tariff. (F)
4. The rates applicable to a month-to-month payment plan are subject to Company initiated changes. Rates stabilized under a CSPP arrangement are exempt from Company initiated increases, however, decreases for any rate element will automatically flow through to the customer.
5. A SMARTPath service performance credit, as specified in B7.8.2.E.2. will apply. (F)

D. Connections

1. Customer-Provided Terminal Equipment, Customer-Provided Derivation Equipment and Customer-Provided Communications Systems may be connected to SMARTPath service when such connection is made in accordance with the provisions specified in 2. and 3. following. (F)
2. Responsibility of the Company
 - a. The responsibility of the Company shall be limited to the furnishing and maintenance of SMARTPath service to a network interface on the customer's premises. (F)

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A32. INTEGRATION PLUS MANAGEMENT SERVICES (IPMS) (T)

A32.1 Integration Plus Management Services (IPMS) Description (Cont'd) (T)

A32.1.3 FlexServ Service (Cont'd) (T)

A. Regulations (Cont'd)

1. Basic FlexServ Service (Cont'd) (T)

With the customer's initial order for basic FlexServ service, the Company provides the capability for one connection to the Company for the communication of monitoring and reconfiguration signals. This capability is referred to in this Tariff as access to FlexServ service or "User Access". One customer identification code with password security is included with such access. (T)

With the customer's initial order, the Company provides one customer training class for up to five (5) persons. The class length of this initial training is two consecutive eight hour days. These training classes are conducted at a designated Company location. Transportation, lodging and food for the attendees will be the responsibility of the customer. If the customer desires for the initial training to be conducted on his premises, then the customer is responsible for the transportation, lodging, and food for the trainer. In addition, the customer is responsible for having the appropriate equipment on his premises. (T)

Reconfiguration and monitoring are not available during the performance of routine maintenance of the Company's facilities and equipment used to provide FlexServ service. (T)

Different switching options may be available in the same central office. If customers desire more than one switching option in the same central office and facilities are available, a channel connection is required for each FlexServ service switching option connected. (T)

The regulations and rates specified herein are in addition to the applicable regulations and rates specified in other sections of this Tariff.

The Company is authorized to provide FlexServ service for use in application testing subject to the general regulations set forth in A2.5.11 and subject to the specific FlexServ service regulations provided following: (T)

a. Up to three (3) FlexServ service Digital DS0 Channel Connections (USOC:DSLSA) may be utilized in a typical applications test configuration for a customer. The Company is authorized to deviate from this average in order to fully participate in an application test with a customer which cannot otherwise be performed to the customer's **satisfaction**. Such Digital DS0 Channel Connections shall be available only in conjunction with SynchroNet service which is also being installed for the purpose of conducting an application test (subject to the general regulations set forth in B2.1.16. of the Private Line Service Tariff). Customer requests for the Company to perform FlexServ service reconfigurations (USOC:FSSRA) during the application test period shall be made at no charge. (T)

2. Customer Circuits

There are **five (5)** types of channel connections which can be connected to FlexServ service - DS0 (Single channel), DS1 (1.544 Mbps) digital circuits, DS3 (44.736 Mbps) digital circuits, **SMARTRing service and STS-1 (51.84Mbps) digital circuits**. (C)

DS0 Channel Connections - There are two types of DS0 channel connections - Voice Grade and Digital. Both types of DS0 connections will be switched at a DS0 level.

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A32. INTEGRATION PLUS MANAGEMENT SERVICES (IPMS) (T)

A32.1 Integration Plus Management Services (IPMS) Description (Cont'd) (T)

A32.1.3 FlexServ Service (Cont'd) (T)

A. Regulations (Cont'd)

2. Customer Circuits (Cont'd)

DS1 Channel Connections - There are two types of connections available for a customer desiring to terminate a DS1 circuit - DS0 switching and DS1 switching. For example, if a customer needs to be able to monitor or reconfigure the twenty-four DS0 circuits riding on the DS1 channel, then the customer would purchase a DS1 channel connection with DS0 switching. If the customer does not need access to the individual DS0 circuits, then the customer would purchase a DS1 channel connection with DS1 switching.

DS3 Channel Connections - There are two types of connections available for terminating a DS3 circuit - DS0 and DS1. If a customer needs monitoring or reconfiguration capability for 672 individual DS0 circuits, then the customer would purchase a DS3 channel connection with DS0 switching. If the customer only needs access to the twenty-eight DS1 circuits, then the customer would purchase a DS3 channel connection with DS1 switching.

SMARTRing service Channel Connections - FlexServ service is available only with OC-3 OC-3+, OC-12, OC-48, OC-48+, OC-192 or OC-192+ SMARTRing service. There are two options available for SMARTRing service channel connections - Surveillance and Reconfiguration. Surveillance allows the customer to monitor the ring and retrieve performance monitoring data. Surveillance will be ordered on a per SMARTRing node basis. Customers who order Surveillance must order it for all nodes on the ring. Reconfiguration will allow the customer to reconfigure circuits associated with SMARTRing service channel interfaces and must be ordered on a per interface basis. Customers who order Reconfiguration must already be subscribing to Surveillance or be ordering Surveillance coincident with Reconfiguration. Reconfiguration may not be ordered without Surveillance. Within each STS-1 group, all activated interfaces must be optioned the same (either all Surveillance only or all Surveillance and Reconfiguration). A Service Establishment Charge for new customer account setup applies as well as a charge for a Security Card, which is required for web access of the Management Terminal Interface. (N)

FlexServ service is available on the following SMARTRing service Overlay Ring Arrangements: (S=Surveillance and R=Reconfiguration) (N)

OVERLAYING SMARTRing Service	HOST SMARTRing Service									
	OC-12		OC-48		OC-48+		OC-192		OC-192+	
	S	R	S	R	S	R	S	R	S	R
OC-3	X	X			X	X	X	X	X	X
OC-3+			X	X	X	X	X	X	X	X
OC-12			X	X	X	X	X	X	X	X
OC-48							X	X	X	X

On an Overlay Ring arrangement, Surveillance must be ordered for each node on both the host ring and the overlay ring. (N)

3. Maintenance

Due to the nature of FlexServ service it may be necessary to perform preventive maintenance on the system. This will mean that the FlexServ service controller will be unavailable for circuit reconfiguration during these periods of time when maintenance is being performed. Any circuits which are working will continue in operation, only the reconfiguration capability will not be usable. It may also be necessary to periodically take the FlexServ service system out of service for software updates and other maintenance. In these cases the customers will be notified in advance as to the time and duration of these outages. (T)

4. Service Availability

FlexServ service is furnished only in serving wire centers where facilities are available. (T)

5. Local and Interoffice Channels

The Local and Interoffice Channels which are terminated into FlexServ service are provided out of this Tariff and the Private Line Services Tariff, and are subject to all regulations and charges contained in their respective tariffs in addition to those contained herein. (T)

(M)

Material previously appearing on this page now appears on page(s) 8 of this section.

A32. INTEGRATION PLUS MANAGEMENT SERVICES (IPMS)

(T)

A32.1 Integration Plus Management Services (IPMS) Description (Cont'd)

(T)

A32.1.3 FlexServ Service (Cont'd)

(T)

A. Regulations (Cont'd)

6. Local exchange services connecting to FlexServ service utilizing a voice grade DS0 channel connection are available with Network Access Register (NAR) Packages located in Section A3. of this Tariff. (T)
Calls routed to Public Service Answering Positions for 911 emergency calls over services terminated in FlexServ service will result in incorrect address information being generated in an emergency situation. When local exchange type services terminate in FlexServ service, the customer has reconfiguration capability. Therefore the address on the customer record is the central office where the dialtone originates and terminates into FlexServ service. The Company will not be liable for any actions which occur as a result of emergency vehicles being dispatched to an incorrect address. (M)(T)
Customers are prohibited from using FlexServ service to cross-connect any services in any manner that would result in the misapplication of charges for any services provided by the Company. The Company may audit the use of service to assure compliance with this restriction. When the Company's audits reveal violations of this restriction, the Company will issue a written notice of tariff violation to the customer. Continued violation after such notice will be grounds for termination of the FlexServ service 30 days after a second notice of tariff violation. In such event, the customer will be responsible for payment of all nonrecurring charges associated with any required service rearrangements and for any termination charges resulting from such rearrangement. In addition, the customers will be responsible for payment of the charges avoided by such misuse of FlexServ service. If such charges cannot be precisely determined from the Company's records, they may be estimated based upon audit data for any period of time greater than seven days, average usage levels for the service by the customer or other customers, and the highest potentially applicable rates. (T)
7. Security (T)
FlexServ service employs a multilevel system to ensure the privacy of customer networks. To access the network controller, a customer must enter a log-in ID and password. Additional security is offered with access to the network controller via a private line. (T)
8. Shared FlexServ Service Arrangement (T)
The customer may include circuits with FlexServ service purchased from this Tariff in the same FlexServ service arrangement with interexchange carriers who have purchased FlexServ service for use in connection with dedicated access services used to provide interLATA service to the customer. (A FlexServ service arrangement consists of all dedicated access services and private line services that can be monitored and reconfigured through the same User Access.) (T)
The customer must be authorized to represent the interexchange carrier(s) in all transactions and communications with the Company regarding the shared FlexServ service arrangement or circuits included in that arrangement including reconfigurations, monitoring, ordering of additional dedicated access services and private line services in the arrangement and removal of dedicated access services and private line services from the arrangement. The Company will not process any orders or requests affecting that arrangement or circuits included in that arrangement except those submitted to the Company by the customer. (T)
The Company will not be liable for any loss to any of the interexchange carriers in a shared FlexServ service arrangement caused directly or indirectly by actions of the customer. Each interexchange carrier in the shared arrangement and the customer indemnify the Company for the costs of any and all claims arising directly or indirectly out of the actions of the customer or any interexchange carrier in the shared arrangement, including, but not limited to, the cost of defending against such claims. (T)

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A32. INTEGRATION PLUS MANAGEMENT SERVICES (IPMS) (T)

A32.1 Integration Plus Management Services (IPMS) Description (Cont'd) (T)

A32.1.3 FlexServ Service (Cont'd) (T)

D. Rate Element Description (Cont'd)

2. Rates and Charges (Cont'd)

b. Basic FlexServ Service (Cont'd) (T)

(3) DS3 Channel Connections

	Installation Charge	Month to Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
(a) DS0 switching, per DS3 channel	\$125.00	\$1,425.00	\$1,310.00	\$1,210.00	\$1,170.00	DSL3A
(b) DS1 switching, per DS3 channel	125.00	375.00	345.00	320.00	300.00	DSL3B
(4) SMARTRing service Channel Connections (N)						
(a) Surveillance, Per Node, OC-3, OC-3+, OC-12 (N)	-	40.00	36.80	34.00	32.00	SHNSN
(b) Surveillance, Per Node, OC-48, OC-48+ (N)	-	80.00	75.00	70.00	65.00	SHNS4
(c) Surveillance, Per Node, OC- 192, OC-192+ (N)	-	120.00	110.00	100.00	95.00	SHNS9
(d) Reconfiguration, Per Customer or Central Office Channel Interface, DS1, DS3, OC-3 and OC-12 (N)	15.00	5.00	4.50	4.00	3.50	SHNRC
(e) Reconfiguration, Per Customer or Central Office Channel Interface, OC-48 (N)	15.00	5.00	4.50	4.00	3.50	SHNRC
(f) Reconfiguration, Per Customer or Central Office Channel Interface, 10 Mbps, 100 Mbps, 1000 Mbps and Fractional 1000 Mbps (N)	15.00	5.00	4.50	4.00	3.50	SHNRO
(g) Service Establishment Charge, Per New Customer Account Setup (N)	250.00	-	-	-	-	SHNTD
(h) Security Card, per card (N)	200.00	-	-	-	-	SHNTC
(5) STS Channel Connections (N)						
(a) VT1.5 switching, Per STS-1 channel (N)	-	375.00	345.00	320.00	300.00	DSL5X
c. FlexServ Service Options (T)						
(1) Additional Concurrent User Access						
(a) Per Additional Concurrent User Access	125.00	68.00	60.00	57.00	54.00	FSSFU
(2) Additional User Identification Codes						
(a) Per Additional User Identification Code					Nonrecurring Charge \$3.00	USOC FSSFA
(3) Additional Customer Training						
(a) Per eight hour day of training after initial installation					450.00	FSSFT

(M)

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A32. INTEGRATION PLUS MANAGEMENT SERVICES (IPMS) (T)

A32.1 Integration Plus Management Services (IPMS) Description (Cont'd) (T)

A32.1.3 FlexServ Service (Cont'd) (T)

D. Rate Element Description (Cont'd)

2. Rates and Charges (Cont'd)

c. FlexServ Service Options (Cont'd) (T)

(4) Multipoint Bridging (M)

	Installation Charge	Month to Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC	
(a) Voice Grade Connections Per bridging leg	\$20.00	\$5.00	\$4.50	\$4.40	\$4.30	FSSF9	(M)
(b) Multipoint Junction Unit Per 2.4, 4.8, 9.6 or 56 Kbps Channel Connection ¹	15.00	6.00	5.25	5.00	4.75	FSSFJ	(M)
(c) Multipoint Junction Unit Per 19.2 Kbps Channel Connection ¹	15.00	9.45	8.90	8.40	7.90	FSSF9	(M)
(5) Subrate Reconfiguration Capability							
(a) Per DS0 Equipped (DS0B)	45.00	-	-	-	-	DSLSB	(T)
(b) Per DS0A 9.6 Kbps, requires 5	5.00	8.75	8.15	7.60	7.20	DSLS9	
(c) Per DS0A 4.8 Kbps, requires 10	5.00	7.40	6.80	6.30	5.95	DSLS4	
(d) Per DS0A 2.4 Kbps, requires 20	5.00	7.00	6.45	5.95	5.60	DSLS2	
(6) Reconfiguration by Company Personnel, Request for Company to perform reconfiguration activity							
(a) Per Request						Nonrecurring Charge \$25.00	USOC FSSRA

A32.1.4 Network Usage Information Service

A. Regulations

- The rates in C. following are in addition to all other applicable rates required to provide these services.
- The Service Ordering charge found in Section A4. of this Tariff is applicable in addition to other rates and charges identified for this service.
- Network Usage Information Service will be available where facilities and technology permit.
- Where applicable, the customer is responsible for providing compatible premises equipment and software.
- A customer may request one traffic report to be provided to them annually at no charge. Charges are applicable for all Traffic Reports provided beyond the first report requested by and provided to the customer. A Traffic Report is done on a per measurement ID (i.e. Trunk Groups, Simulated Facility Groups, Single Line Usage as typical). A Service Establishment Charge and Port Connection Charge are not applicable. When a Traffic Report is requested by the customer, a study time will be determined based on availability of equipment utilized for this offering. The offering is provided on a per-report basis and will consist of a one-week analysis of the customer's central office based facilities.

Note 1: One unit contains 5 connections so must purchase in groups of 5. (M)

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B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd) (T)

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. (T)
- 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. (T)
- 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. (T)
- 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. (T)
- 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. (N)

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. (N)

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. (N)

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 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). (T)

B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd) (T)

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. (T)
- 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. (T)

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. (T)

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. (T)

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. (N)

B7.7.3 Architecture

A. SMARTRing Service (T)

B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd) (T)

B7.7.3 Architecture (Cont'd)

A. SMARTRing Service (Cont'd) (T)

- 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. (T)
- 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. (T)
- 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:** (C)

Regeneration Node, all ring capacities, non-rated

SHNRD

Regeneration Node Surveillance, all ring capacities, non-rated

SHNRS

(N)

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	(N)
(b) Reconfiguration, Per STS-1 group, per Node	-	-	365.00	SHNRI	(N)

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.
- 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 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. (T)

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. (T)
- 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) 68 of this section.

B7. DIGITAL NETWORK SERVICE

B7.8 SMARTPath Service (Cont'd)

B7.8.2 Regulations (Cont'd)

A. Description of Service (Cont'd)

3. The performance guarantee for SMARTPath service is as follows: (T)
 - a. Guaranteed Service Installation - the Company will meet negotiated due date or credit an amount equal to the nonrecurring charge according to the Service Installation Guarantee described in B2.4.17. (M)
 - b. Service Continuity - in the event of primary facility failure, service is guaranteed to switch to an alternate facility path in sixty seconds or less. Failure to meet this guarantee will result in a credit as described in B7.8.2.E.2. following where the trouble is in the network on public right-of-way.

B. Definitions

SMARTPath service Area Connection

The SMARTPath service Area Connection provides for the connection at the designated premises where the customer gains access to SMARTPath service and transport to a designated junction in the same SMARTPath service Area.

SMARTPath service Area Junction

The SMARTPath service Area Junction provides for the connection between the SMARTPath service network 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) DS1 Basic Channelization, FlexServ service, or LightGate service, or (b) a SMARTPath service Area Junction of another SMARTPath service Area in the same Metropolitan Area.

C. Application of Rates

1. Monthly rates and charges as specified in B7.8.3 following apply for each SMARTPath service. The transport provided within a SMARTPath service Area is provided at 1.544 Mbps. Rate categories include a SMARTPath service Area Connection, and a SMARTPath service Area Junction.
2. Recurring and nonrecurring charges apply for each SMARTPath service Area connection and SMARTPath service Area Junction Connection.
3. SMARTPath service is available under several payment plans: Month-to-month (with a 4 month minimum), Plan A (24-48 Months), Plan B (49-72 Months). Plan A and Plan B are provided under conditions specified in the Channel Services Payment Plan (CSPP), B2.4.9.B. preceding. If upon completion of a payment period option the customer does not select a new payment period or does not request discontinuance of service, service will be continued under the terms specified in B2.4.9.A.7 of this Tariff.
4. The rates applicable to a month-to-month payment plan are subject to Company initiated changes. Rates stabilized under a CSPP arrangement are exempt from Company initiated increases, however, decreases for any rate element will automatically flow through to the customer.
5. A SMARTPath service performance credit, as specified in B7.8.2.E.2. will apply.

D. Connections

1. Customer-Provided Terminal Equipment, Customer-Provided Derivation Equipment and Customer-Provided Communications Systems may be connected to SMARTPath service when such connection is made in accordance with the provisions specified in 2. and 3. following.
2. Responsibility of the Company
 - a. The responsibility of the Company shall be limited to the furnishing and maintenance of SMARTPath service to a network interface on the customer's premises.

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