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**BellSouth Telecommunications, Inc.**

150 South Monroe Street  
Suite 400  
Tallahassee, Florida 32301

[jerry.hendrix@bellsouth.com](mailto:jerry.hendrix@bellsouth.com)

**Jerry D. Hendrix**  
Vice-President  
Regulatory Relations

Phone: (850) 577-5550  
Fax (850) 222-8640

November 29, 2005

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

Dear Mrs. Salak:

Pursuant to Florida Statute 364.051, we are filing revisions to our Private Line Services Tariff. Attached for filing with the Commission are the following tariff pages:

**Private Line Services Tariff**

B7 - Sixth Revised Page 58  
- Sixth Revised Page 59

The purpose of this filing is to introduce new interface capabilities for 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)

Regulatory Vice President

Attachments

## **EXECUTIVE SUMMARY**

### **Introduction**

This tariff filing expands the interface capabilities associated with OC-48+ and OC-192+ SMARTRing® Service arrangements in the Private Line Services Tariff.

SMARTRing® Service customers have a need for enhanced interface capabilities to meet their ever-increasing communication requirements. Approval of this filing will allow BellSouth to meet customer needs for such improved capabilities.

### **Service Description**

SMARTRing® Service in the Private Line Services Tariff provides customers with SONET ring transport arrangements from those of an OC-3 (3 DS3 capacity) up through an OC-192 (192 DS3 capacity). These SMARTRing® Services 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.

Presently, SMARTRing® Service has a Flex DS1 interface that is available with certain ring capacities, i.e., OC-12, OC-48 and OC-192. This filing proposes to expand the capability of the existing Flex DS1 interface by making it available for use with OC-48+ and OC-192+ SMARTRing® Service arrangements and to clarify the application of Flex DS1 interfaces with DS3 Asymmetrical arrangements.

### **Revenue Impact**

BellSouth will recover its costs for the provision of the new interface capabilities.

## B7. DIGITAL NETWORK SERVICE

Legislative  
Format Not  
For Approval

### 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. 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.

BELLSOUTH  
TELECOMMUNICATIONS, INC.  
FLORIDA

PRIVATE LINE SERVICES TARIFF

~~Sixth Revised Page 58~~~~Fifth Revised Page 58~~  
~~Cancels Fifth Revised Page 58~~~~Cancels Fourth Revised Page 58~~

~~ISSUED: November 29, 2005~~ISSUED: November 18, 2004

~~EFFECTIVE: December 14, 2005~~EFFECTIVE: December 3, 2004

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

Legislative Format  
Not For Approval

**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:

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

**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<sup>96</sup>.

**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:** 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 4:** 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 96<sup>108</sup>.

**Note 5:** 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.

Material previously appearing on this page now appears on page(s) 59.0.1 of this section.

ISSUED: November 29, 2005  
BY: Marshall M. Criser III, President -FL  
Miami, Florida

EFFECTIVE: December 14, 2005

## 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. 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.** (C)

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.** (C)

## 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 <sup>1</sup>	Yes <sup>1</sup>	No <sup>1</sup>	Yes <sup>1</sup>	No <sup>1</sup>	
DS3	Yes	Yes	Yes	Yes	Yes	Yes	Yes <sup>2</sup>	
STS-1	Yes	Yes	Yes	Yes	Yes	Yes	Yes <sup>2</sup>	
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 <sup>2</sup>	
28 DS1 Channel System (STS-1)	Yes	Yes	Yes	Yes	Yes	Yes	Yes <sup>2</sup>	
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 <sup>2</sup>	Yes <sup>2</sup>	Yes	Yes <sup>2</sup>	
10 Mbps	No	No	Yes <sup>3</sup>					
100 Mbps	No	No	Yes <sup>3</sup>					
Fractional 1000 Mbps at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps	No	No	Yes <sup>3</sup>					
Fractional 1000 Mbps at 600 Mbps	No	No	No	Yes <sup>3</sup>	Yes <sup>3</sup>	Yes <sup>3</sup>	Yes <sup>3</sup>	
Flex DS1 <sup>4</sup>	No	No	Yes	Yes	Yes <sup>5</sup>	Yes	Yes <sup>5</sup>	

**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:** 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 4:** 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 5:** 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.