

BELLSOUTH TELECOMMUNICATIONS, INC.  
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29657, 675 W. Peachtree St., N.E.  
Atlanta, Georgia 30375  
ISSUED: NOVEMBER 1, 1996

TARIFF F.C.C. NO. 1  
5TH REVISED PAGE 7-1  
CANCELS 4TH REVISED PAGE 7-1

EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (T)

#### 7.1 General

Special Access (a.k.a. BellSouth SPA) service provides a transmission path to connect customer designated premises or a customer designated premises and a WATS serving office, either directly or through a Telephone Company Hub where bridging or channelization functions are performed. Special Access (a.k.a. BellSouth SPA) service includes all exchange access not utilizing Telephone Company end office switches. (T)

The connections provided by Special Access (a.k.a. BellSouth SPA) service can be either analog or digital. Analog connections are differentiated by spectrum and bandwidth. Digital connections are differentiated by bit rate. (T)

#### 7.1.1 Channel Types

There are ten types of channels used to provide Special Access (a.k.a. BellSouth SPA) services. Each type has its own characteristics. All are subdivided by one or more of the following: (T)

- Transmission specifications,
- Bandwidth,
- Speed (i.e., bit rate),
- Spectrum

Customers can order a basic channel and select, from a list of available transmission parameters and channel interfaces, those that they desire to meet specific communications requirements.

For purposes of ordering channels, each has been identified as a type of Special Access (a.k.a. BellSouth SPA) service. However, such identification is not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use. For example, if a customer's equipment is capable of transmitting voice over a channel that is identified as a Metallic (a.k.a. BellSouth SPA Metallic) service in this tariff, there is no restriction against doing so. (T)

Note 1: Telephone Company Centrex Type Services switches, Packet Switches included in Public Packet Switching Network (PPSN) service and Telephone Company Answering Service Concentrators are considered to be customer premises for purposes of administering regulations and rates contained in this tariff.

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ISSUED: AUGUST 17, 1998

TARIFF F.C.C. NO. 1  
11TH REVISED PAGE 7-2  
CANCELS 10TH REVISED PAGE 7-2

EFFECTIVE: SEPTEMBER 1, 1998

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.1 General (Cont'd)

##### 7.1.1 Channel Types (Cont'd)

Following is a brief description of each type of channel:

Metallic (a.k.a. BellSouth SPA Metallic) - a channel for the transmission of low speed varying signals at rates up to 30 baud.

Telegraph Grade (a.k.a. BellSouth SPA Telegraph) - a channel for the transmission of binary signals at rates of 0 to 75 baud or 0 to 150 baud.

Voice Grade (a.k.a. BellSouth SPA DSO VG) - a channel for the transmission of analog signals within an approximate bandwidth of 300-3000 Hz.

WATS Access Line (WAL) (a.k.a. BellSouth SPA WATS Lines) - A channel from a customer designated premises to a WATS serving office for BellSouth SWA 8XX Toll Free Dialing Ten Digit Screening service, WATS (a.k.a. BellSouth SPA WATS), or similar services.

Program Audio (a.k.a. BellSouth SPA Program Audio) - a channel for the transmission of audio signals. The nominal frequency bandwidths are from 50 to 15000 Hz, from 200 to 3500 Hz, from 100 to 5000 Hz or from 50 to 8000 Hz.

Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video) - a channel for the transmission of a standard 525 line/60 field National Television Systems Committee (NTSC) - System M video signal and one or two associated 15 or 20 kHz audio signals. The video bandwidth is 4.2 MHz wide. (C)

Commercial Quality Video (a.k.a. BellSouth SPA Commercial Quality Video) - Transports a single or multichannel standard 525-line/60 field National Television Systems Committee (NTSC) - System M video signal, and two associated 15 kHz audio signals. The video bandwidth is 4.2 MHz wide. This video service has less stringent technical parameters than Broadcast Quality Video Service.

DS3 Digital Video Service (a.k.a. BellSouth SPA DS3 Digital Video) - provides one-way transmission capability via fiber optic facilities for compressed, 525 line/60 field, System M, National Television Systems Committee (NTSC) video signal transmitting at 45 Mbps at near broadcast quality performance. The video bandwidth is 4.2 MHz wide. This service includes four associated 15 KHz audio channels per video channel.

BellSouth SPA Modular Video Transport service is a dedicated fiber transport service that interconnects at least two customer designated end point locations. Multiple locations may be interconnected with transport links to form one way video rings.

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ISSUED: FEBRUARY 10, 2003

TARIFF F.C.C. NO. 1  
1ST REVISED PAGE 7-2.1  
CANCELS ORIGINAL PAGE 7-2.1  
EFFECTIVE: FEBRUARY 25, 2003

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.1 General (Cont'd)

##### 7.1.1 Channel Types (Cont'd)

70 MHz Transport (a.k.a. BellSouth SPA 70 MHz Transport) service provides for a 70 MHz, point-to-point, one-way, analog, intermediate frequency transport channel over dedicated fiber optic facilities. The customer interface for this service is a 75 ohm, -7.0 dbm signal with a bandwidth of 100 MHz centered on 70 MHz Carrier.

Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) service is a fiber optic transport of high quality video service for customers who desire a BellSouth transport network that is controlled by the end-user. (T)  
Two 15 kHz audio signals are provided with this service.

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ISSUED: NOVEMBER 1, 1996

TARIFF F.C.C. NO. 1  
7TH REVISED PAGE 7-3  
CANCELS 6TH REVISED PAGE 7-3  
EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.1 General (Cont'd)

##### 7.1.1 Channel Types (Cont'd)

Wideband Analog (a.k.a. BellSouth SPA Wideband Analog) - a channel for the transmission of wideband signals. The bandwidths are from 60 to 108 kHz (group), from 312 to 552 kHz (supergroup), from 564 to 3084 kHz (mastergroup), from 300 Hz to 18 kHz, from 29 to 44 kHz or from 28 to 44 kHz.

Wideband Data (a.k.a. BellSouth SPA Wideband Data) - an analog channel for the transmission of synchronous serial data at rates of 19.2, 50.0 or 230.4 kbps or asynchronous serial data at rates of up to 19.2, 50.0 or 230.4 kbps. Optional arrangements are available for transmission of synchronous serial data rates at 18.75 or 40.8 kbps.

Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) - a digital data channel derived from a two-wire local exchange facility that transmits voice and data signals simultaneously.

Digital Data (a.k.a. BellSouth SPA DS0 Digital Data) - a channel for the digital transmission of synchronous serial data at rates of 2.4, 4.8, 9.6, 19.2, 56.0 or 64.0 kbps.

High Capacity (a.k.a. BellSouth SPA High Capacity) - a channel for the transmission of isochronous serial digital data at rates of 1.544 Mbps (DS1), 3.152 Mbps (DS1C), 6.312 Mbps (DS2), or 44.736 Mbps (DS3).

Detailed descriptions of each of the channel types are provided in 7.2 following.

The customer also has the option of ordering Wideband analog (a.k.a. BellSouth SPA Wideband Analog) and digital high capacity (a.k.a. BellSouth SPA High Capacity) facilities i.e., Group, Supergroup, Mastergroup, DS1 (1.544 Mbps), DS1C (3.152 Mbps), DS2 (6.312 Mbps), and DS3 (44.736 Mbps) to a Telephone Company Hub for channelization to individual channels of a lower capacity or bandwidth. (T)

Descriptions of the types of channelization available at the Hubs, as well as the number of individual channels which may be derived from each type of facility are set forth in 7.2 following. Additionally, the customer may specify optional features for the individual channels derived from the facility to further tailor the channel to meet specific communications requirements. Descriptions of the optional features and functions available are also set forth in 7.2 following.

For example, a customer may order LightGate service (a.k.a. BellSouth SPA Point to Point Network) with DS3 channel interfaces at a customer designated premises and terminate it at a Telephone Company Hub with DS1 (a.k.a. BellSouth SPA DS1) (1.544 Mbps) channel interfaces. These DS1 (a.k.a. BellSouth SPA DS1) channels may be further channelized to Voice Grade (a.k.a. BellSouth SPA DS0 VG) or Wideband Analog (a.k.a. BellSouth SPA Wideband Analog) (i.e., Group level) channels or may be extended to other customer designated premises or a different Hub. Optional features may be added to either the DS1 (a.k.a. BellSouth SPA DS1) or the Voice Grade (a.k.a. BellSouth SPA DS0 VG) channels. (T)  
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TARIFF F.C.C. NO. 1  
12TH REVISED PAGE 7-4  
CANCELS 11TH REVISED PAGE 7-4

EFFECTIVE: JANUARY 9, 2004

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.1 General (Cont'd)

##### 7.1.2 Rate Categories

The following rate categories apply to Special Access (a.k.a. BellSouth SPA) Service:

- Local Channels (described in 7.1.2(A) following)
- Interoffice Channels (described in 7.1.2(B) following)
- Optional Features and Functions (described in 7.1.2(C) following)
- SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) rate categories (described in 7.1.2(D) following)
- SMARTPath Area Connection (described in 7.1.2(E) following)
- SMARTPath Area Junction (described in 7.1.2(E) following)
- SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) rate categories (described in 7.1.2(F) following)
- Fast Packet Access Services (as set forth in Section 21 of this Tariff)
- Digital Subscriber Line Access Services (as set forth in Section 28 of this Tariff)
- Optical Transport Access Services (as set forth in Section 29 of this Tariff)

(D)  
(D)

#### (A) Local Channel

In general, the Local Channel rate category provides for the communications path between a customer-designated premises and the serving wire center of that premises. Included as part of the Local Channel is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. The signaling capability itself is provided as an optional feature as set forth in (C) following. One Local Channel charge will apply per customer-designated premises at which the channel is terminated. This charge will also apply where the customer designated premises and the serving Wire Center are collocated in a Telephone Company building. This charge will also apply where both customer-designated premises are in the same building, or where the service is provided without physically traversing the serving wire center. The charge also applies where the designated premises is served from a wire center other than the one from which the customer would normally obtain dial tone, i.e., an alternate serving wire center, as described in 7.2.9(A) following.

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ISSUED: NOVEMBER 1, 1996

TARIFF F.C.C. NO. 1  
ORIGINAL PAGE 7-4.1

EFFECTIVE: DECEMBER 16, 1996

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (N)

7.1 General (Cont'd) (N)

7.1.2 Rate Categories (Cont'd) (N)

(B) Interoffice Channel (M)

The Interoffice Channel rate category provides for the transmission (M)  
facilities between the serving wire centers associated with two (M)  
customer-designated premises, between a serving wire center associated (M)  
with a customer-designated premises and a Telephone Company Hub or (M)  
between two Telephone Company Hubs. A serving wire center associated (M)  
with a customer-designated premises may be either the wire center from (M)  
which the customer would normally obtain dial tone or an alternate (M)  
serving wire center as described in 7.2.9(A) following. An Interoffice (M)  
Channel is portrayed in mileage bands except for Voice Grade (a.k.a. (T)  
BellSouth SPA DSO VG), Digital Data Access (a.k.a. BellSouth SPA DSO (T)  
Digital Data) service (DDAS), DS1 High Capacity (a.k.a. BellSouth SPA (T)  
DS1) service and Derived Data Channel (a.k.a. BellSouth SPA Derived Data (T)  
Channel) service (DDCS). There are two rates that apply for each band, (T)  
i.e., a flat rate per band and a rate per mile. (M)

Material now appearing on this page previously appeared on 8th Revised Page  
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ISSUED: JULY 29, 2005

TARIFF F.C.C. NO. 1  
7TH REVISED PAGE 7-5  
CANCELS 6TH REVISED PAGE 7-5

EFFECTIVE: AUGUST 13, 2005

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.1 General (Cont'd)

##### 7.1.2 Rate Categories (Cont'd)

###### (B) Interoffice Channel (Cont'd)

For the Voice Grade (a.k.a. BellSouth SPA DSO VG), DDAS (a.k.a. BellSouth SPA DSO Digital Data), DS1 High Capacity (a.k.a. BellSouth SPA DS1) service and DDCS Channel (a.k.a. BellSouth SPA Derived Data Channel) Interoffice rate elements a "fixed" and "per mile" rate apply as set forth in 7.5.3, 7.5.8, 7.5.9 and 7.5.15 following. Interoffice Channel rates are applicable to all Voice Grade (a.k.a. BellSouth SPA DSO VG), DDAS (a.k.a. BellSouth SPA DSO Digital Data), DS1 High Capacity (a.k.a. BellSouth SPA DS1) service and DDCS channels (a.k.a. BellSouth SPA Derived Data Channel) with mileage greater than zero.

###### (C) Optional Features and Functions

The Optional Features and Functions rate category provides for optional features and functions, which may be added to a Special Access (a.k.a. BellSouth SPA) service to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific equipment, but rather represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of equipment.

Although the equipment necessary to perform a specified function may be installed at various locations along the path of the service, they will be charged for as a single rate element.

Examples of Optional Features and Functions that are available include, but are not limited to, the following:

- Signaling Capability
- Hubbing Functions
- Conditioning
- Transfer Arrangements
- BellSouth Customer Network Management Service
- Data Over Voice Channel

(C)

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ISSUED: JULY 29, 2005

TARIFF F.C.C. NO. 1  
7TH REVISED PAGE 7-6  
CANCELS 6TH REVISED PAGE 7-6

EFFECTIVE: AUGUST 13, 2005

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.1 General (Cont'd)

##### 7.1.2 Rate Categories (Cont'd)

##### (C) Optional Features and Functions (Cont'd)

A Hub is a Telephone Company designated serving wire center at which bridging or channelization functions are performed. The bridging functions performed are to connect three or more customer designated premises in a multipoint arrangement. The channelization functions are to channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth. NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4 identifies serving wire centers, Hub locations and the type of bridging or multiplexing functions available.

Descriptions for each of the available Optional Features and Functions are set forth in 7.2 following. Some of the Optional Features and Functions are ONA BSE capabilities. The following chart provides the Bellcore ONA BSE generic name where the name used by BellSouth differs from the name used in the ONA Services User Guide.

<u>BellSouth BSE Name</u>	<u>ONA Services User Guide BSE Name</u>	
Automatic Loop Transfer	Automatic Protection Switching	
Conditioning	Private Line Conditioning	
BellSouth Customer Network Management Service	Network Configuration	(C) (C)
Public Packet Switching Network - Interface Arrangement, Transport and Feature	Packet Switching Options - CUG, Hunt Group, Call Redirection, Direct Call, Fast Select Packet	
Data Over Voice Channel	Clear Access to Derived Channel	



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ISSUED: SEPTEMBER 29, 2003

TARIFF F.C.C. NO. 1  
7TH REVISED PAGE 7-6.1  
CANCELS 6TH REVISED PAGE 7-6.1  
EFFECTIVE: SEPTEMBER 30, 2003

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.1 General (Cont'd)

##### 7.1.2 Rate Categories (Cont'd)

#### (D) Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing) Service (a.k.a. BellSouth SPA Dedicated Ring)

##### (1) Customer Node

Customer Nodes provide ring switching capabilities at customer designated locations other than Telephone Company Premises that are part of SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). This rate element offers OC-3, OC-3+, OC-12, OC-24, OC-48, OC-48+, OC-192, or OC-192+ network capacities. An OC-1 network capacity is available only in an Overlay Ring Arrangement riding the customer's host OC-12, OC-48, or OC-48+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) installed on or after June 3, 1994. A summary of the channel interfaces available with each node are specified in 7.2.11(A) following. (C)

OC-24 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) customer nodes are only available to existing CSPP customers or under month-to-month arrangements.

##### (2) Customer Channel Interface

A Customer Channel Interface provides DS1, DS3, STS-1 electrical channelization and/or OC-3, OC-12, OC-48 and/or 1000 Mbps optical channelization that may take place at each Customer Node of SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). The Customer Channel Interface rate element applies for every interface capacity that originates or terminates at a Customer Node. A summary of the channel interfaces available with each node are specified in 7.2.11(A) following. (C)

DS3 Customer Channel Interfaces are available with OC-24 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). OC-24 service is only available to existing CSPP customers or under month-to-month arrangements.

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.1 General (Cont'd)

7.1.2 Rate Categories (Cont'd)

(D) Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing) Service (a.k.a. BellSouth SPA Dedicated Ring) (Cont'd)

(3) Central Office Node

Central Office Nodes provide ring switching capabilities at Telephone Company Central Offices that are a part of SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). This rate element offers OC-3, OC-3+, OC-12, OC-48, OC-48+, OC-192, and OC-192+ network capacities. An OC-1 network capacity is available only in an Overlay Ring Arrangement riding the customer's host OC-12, OC-48 or OC-48+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) installed on or after June 3, 1994. A summary of the channel interfaces available with each node are specified in 7.2.11(A) following. (C)

OC-24 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) central office nodes are only available to existing CSPP customers or under month-to-month arrangements.

(4) Central Office Channel Interface

A Central Office Channel Interface provides DS1, DS3, STS-1 electrical channelization and/or OC-3, OC-12, OC-48 and/or 1000 Mbps optical channelization that may take place at each Central Office Node located on SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). The Central Office Channel Interface rate element applies for every interface capacity that originates or terminates at a Central Office Node. A summary of the channel interfaces available with each node are specified in 7.2.11(A) following. (C)

DS1 Central Office Channel Interfaces are available with OC-24 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) via a 28-DS1 Channel System. DS3 Central Office Channel Interfaces are available with OC-24 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). OC-24 service is only available to existing CSPP customers or under month-to-month arrangements.

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ISSUED: NOVEMBER 1, 1996

TARIFF F.C.C. NO. 1  
7TH REVISED PAGE 7-8  
CANCELS 6TH REVISED PAGE 7-8  
EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.1 General (Cont'd)

##### 7.1.2 Rate Categories (Cont'd)

#### (D) Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing) Service (a.k.a. BellSouth SPA Dedicated Ring) (Cont'd) (T)

##### (4) Central Office Channel Interface (Cont'd)

Customers with DS3 or STS-1 interfaces at the Customer Node electing to connect with DS1 services at a Central Office Node, must obtain a 28-DS1 Channel System.

##### (5) Local Channel

The Local Channel rate category provides for the communications path between a Customer Node and the serving wire center of the premises where located. Charges for Local Channels apply as described in paragraph 7.1.2 (A) preceding. It is available with all capacities of SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) except OC-1. (T)

##### (6) Alternate Central Office Channel

The Alternate Central Office Channel provides for the communications path between a customer node and an alternate central office. It is available with all capacities of SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) except OC-1. (T)  
(T)

##### (7) Interoffice Channel

The Interoffice Channel provides for the communications path between directly connected Telephone Company central offices located on a SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). It is available with all capacities of SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) except OC-1. This rate element does not apply where Central Office Nodes are adjacently connected in the same Central Office on the same SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) for the purpose of providing additional node capacity. (T)  
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ISSUED: JULY 29, 2005

TARIFF F.C.C. NO. 1  
13TH REVISED PAGE 7-8.1  
CANCELS 12TH REVISED PAGE 7-8.1

EFFECTIVE: AUGUST 13, 2005

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.1 General (Cont'd)

##### 7.1.2 Rate Categories (Cont'd)

#### (D) Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing) (a.k.a. BellSouth SPA Dedicated Ring) Service (Cont'd)

##### (8) Internodal Channel

The Internodal Channel (INC) provides for the communications path between two directly connected Customer Nodes of a given SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) 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. It is available with all capacities of SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) except OC-1. This rate element does not apply where Customer Nodes are adjacently connected in the same building on the same SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) for the purpose of providing additional node capacity.

##### (9) Channel Interface Capacity Reallocation

Channel Interface Capacity Reallocation allows the customer to reallocate STS-1, DS3 and/or DS1 capacity interfaces at each node subsequent to the initial service installation.

- (10) The SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) Rearrangement rate category applies when the customer adds BellSouth Customer Network Management Service options to an existing OC-1, OC-3, OC-3+ OC-12, OC-48, OC-48+, OC-192 or OC-192+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), installed on or after June 3, 1994. These charges do not apply when BellSouth Customer Network Management Service is added to an existing SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) installed prior to June 3, 1994, and the entire ring is being upgraded to a new SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) at the same time. (C) (C)

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ISSUED: JULY 29, 2005

TARIFF F.C.C. NO. 1  
4TH REVISED PAGE 7-8.1.1  
CANCELS 3RD REVISED PAGE 7-8.1.1

EFFECTIVE: AUGUST 13, 2005

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.1 General (Cont'd)

##### 7.1.2 Rate Categories (Cont'd)

#### (E) SMARTPath Service (a.k.a. BellSouth SPA DS1 Shared Ring)/SMARTPath DS3 Transport Service (a.k.a. BellSouth SPA DS3 Shared Ring)

- (1) The SMARTPath Area Connection for SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) and SMARTPath DS3 Transport service (a.k.a. BellSouth SPA DS3 Shared Ring) provides for the connection at the designated premises where the customer gains access to SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) and transport to a designated junction in the same SMARTPath service area.
- (2) The SMARTPath Area Junction for SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring), provides for the connection between the SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) network and (1) another customer-designated premises, in the same SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) area or (2) a serving wire center in the same SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) area for connection to (a) DS1 Basic Channelization, BellSouth Customer Network Management Service, LightGate service (a.k.a. BellSouth SPA Point to Point Network), or SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) as provided in Section 7 of this tariff, or BellSouth Virtual Expanded Interconnection services under Section 20 of this tariff, or (b) a SMARTPath Area Junction of another SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) area in the same metropolitan area. (C)

The SMARTPath DS3 Area Junction, for SMARTPath DS3 (a.k.a. BellSouth SPA DS3 Shared Ring) provides for the connection between the SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) network and (1) another customer designated premises, in the same SMARTPath (a.k.a. BellSouth SPA DS1 Shared Ring) area or (2) a serving wire center in the same SMARTPath Area for connection (a) to DS1 (a.k.a. BellSouth SPA DS1) service through a SMARTPath DS3 Transport service (a.k.a. BellSouth SPA DS3 Shared Ring) 28 DS1 Channel System, or to BellSouth Customer Network Management Service or to SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) as provided in Section 7 of this tariff, or to expanded interconnection services under Section 20 following, or (b) to a SMARTPath DS3 Area Junction or another SMARTPath area in the same metropolitan area. (C)

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ACCESS SERVICE

- 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)
- 7.1 General (Cont'd) (N)
- 7.1.2 Rate Categories (Cont'd) (N)
- (F) SMARTGate Service(a.k.a. BellSouth SPA Managed Share Ring Network) (T)
- (1) SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) provides a flat rate transport link between a customer designated premises where the network is accessed and a serving wire center or another customer designated premises in the same SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) area. There are two service components - an Off-Net component and an On-Net component for DS1 and DS3 (a.k.a. BellSouth SPA DS3) service. (T)(M)(M)(M)(T)(M)(T)
- (2) An Off-Net DS1 or an Off-Net DS3 is one that originates at a customer location as DS1 (a.k.a. BellSouth SPA DS1) or DS3 (a.k.a. BellSouth SPA DS3) high capacity traffic (where that customer location is not a collection point for SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) facilities) and is aggregated into SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) at a serving wire center in the SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) area. Standard tariff rates and charges for the DS1 (a.k.a. BellSouth SPA DS1) or DS3 (a.k.a. BellSouth SPA DS3) service apply for (1) the local channel from the Off-Net customer location to that premises' normal serving wire center and (2) an interoffice channel, if applicable, from the normal serving wire center to the connection point with SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network). The connection point with SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) is the wire center in the SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) area nearest Off-Net location's normal serving wire center. (M)(T)(T)(T)(T)(T)(T)(T)(T)(M)(M)(T)(T)(T)(T)(M)

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5TH REVISED PAGE 7-8.2  
CANCELS 4TH REVISED PAGE 7-8.2

EFFECTIVE: AUGUST 13, 2005

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.1 General (Cont'd)

##### 7.1.2 Rate Categories (Cont'd)

##### (F) SMARTGate Service (a.k.a. BellSouth SPA Managed Shared Ring Network) (Cont'd)

- (3) An On-Net DS1 or an On-Net DS3 is one that originates at a collection location that is served by SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) service facilities and is transported over SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) facilities to the aggregation location.

##### (G) BellSouth Expanded Interconnection Service Cross Connects

Terms and conditions and rates for BellSouth Expanded Interconnection Service Cross Connects are as set forth in Section 20 of this Tariff.

##### 7.1.3 Service Configurations

There are four types of service configurations over which Special Access (a.k.a. BellSouth SPA) services are provided: link service, two-point service, multipoint service, and SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring).

A change from one Special Access (a.k.a. BellSouth SPA) Service configuration to another will be treated as a discontinuance of existing service and an installation of a new service as set forth in 5.6 preceding, except for BellSouth Customer Network Management Service reconfigurations service or link (C) service configurations.

##### (A) Link Service

A link is a service configuration provided as a DS3 or DS1 channel of a LightGate service (a.k.a. BellSouth SPA Point to Point Network) local channel and/or interoffice channel. DS3 or DS1 channels provided in a LightGate service (a.k.a. BellSouth SPA Point to Point Network) interoffice channel must either be combined with corresponding DS3 or DS1 channels in a LightGate service (a.k.a. BellSouth SPA Point to Point Network) local channel system to form a single link, or they may be provided on a stand-alone link basis with BellSouth Customer Network Management Service, SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), or hubbing applications at Voice Grade channel (a.k.a. BellSouth SPA DS VG) service levels when not directly connected with LightGate service (a.k.a. BellSouth SPA Point to Point Network) local channels. (C)

Individual links may be installed, maintained in service, and subsequently disconnected without affecting other links connected to them. Disconnection of a link, which forms a part of a two-point service configuration, necessitates the disconnection of the non-link service elements in the two-point configuration also.

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.1 General (Cont'd)

#### 7.1.3 Service Configurations (Cont'd)

##### (A) Link Service (Cont'd)

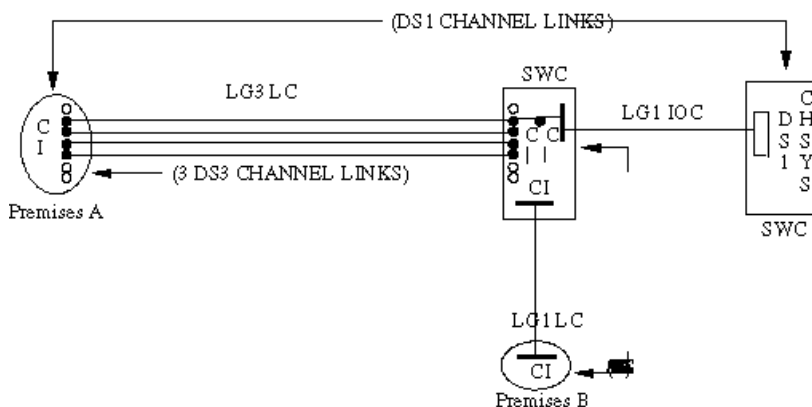
Applicable rate elements are:

- One LightGate service (a.k.a. BellSouth Point to Point Network) (T)
- Local Channel and/or LightGate service (a.k.a. BellSouth Point to Point Network) Interoffice Channel (T)
- Optional Features and Functions (when applicable). (T)

##### (1) Asynchronous Transport

In addition, a Special Access (a.k.a. BellSouth SPA) Surcharge as set forth in 7.4.2 following and a Message Station Equipment Recovery Charge as set forth in 7.4.3 following may be applicable. (T)

The following diagram depicts Link service connecting customer premises "A" with several locations.



Applicable rate elements to this diagram are:

- Local Channels [LC] (LG1, 3)
- Interoffice Channels (as applicable)
- DS1 Channel System
- Channel Interfaces [CI] (DS1s, DS3s)



EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

(T)

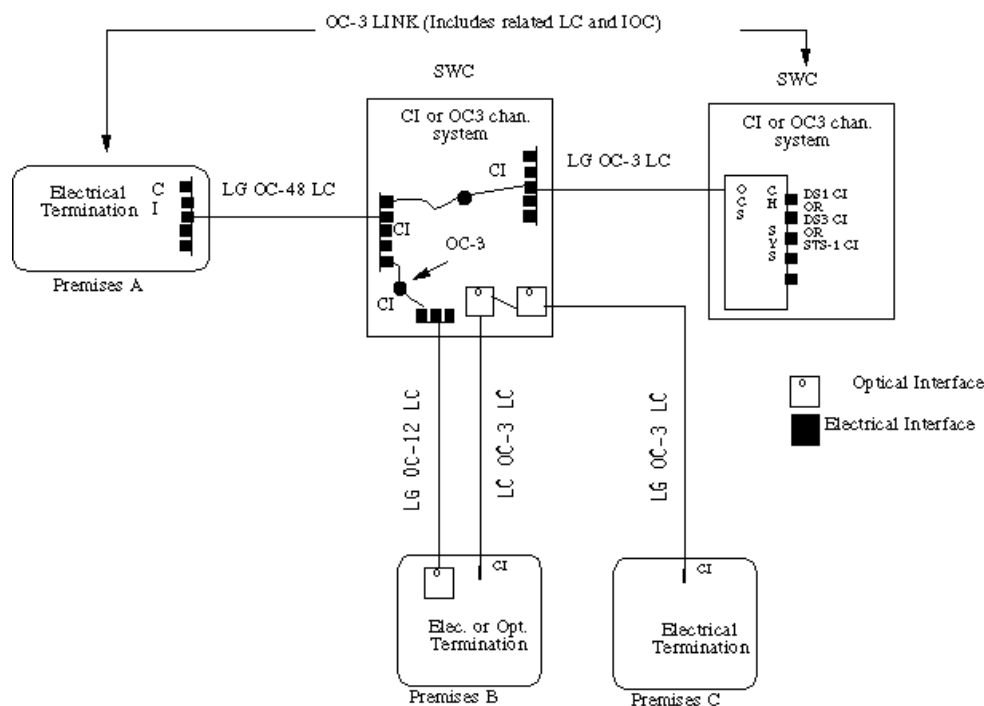
#### 7.1 General (Cont'd)

#### 7.1.3 Service Configurations (Cont'd)

##### (A) Link Service (Cont'd)

##### (2) Synchronous Transport

The following diagram depicts Link service(s) connecting customer premises "A" with several locations.



Rate elements applicable to this diagram are:

- Local Channels [LC] (OC-3 with opt. SWC termination, OC-12 opt. cust. termination, OC-48 electrical)
- Interoffice Channels [IOC] (OC-3)
- Electrical Channel Interface [CI] (OC-3)
- OC-3 Channel System [CS] (OC-3)
- Electrical Channel Interface [CI] (DS1)
- Electrical Channel Interface [CI] (DS3)
- Electrical Channel Interface [CI] (STS-1)

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## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.1 General (Cont'd)

#### 7.1.3 Service Configurations (Cont'd)

##### (B) Two-Point Service

A two-point service connects two customer designated premises, either on a directly connected basis, through a Hub where multiplexing functions are performed, or through BellSouth Customer Network Management Service (C) or an optional feature for BellSouth Customer Network Management Service. (C)

Applicable rate elements are:

- Local Channels (two applicable, except WATS (a.k.a. BellSouth SPA WATS) where only one is applicable)
- Interoffice Channels (as applicable)
- Optional Features and Functions (when applicable)

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## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

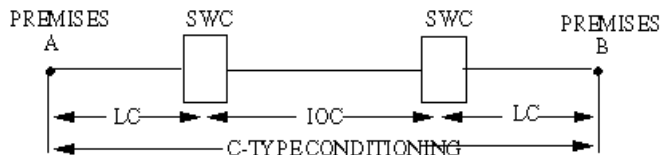
#### 7.1 General (Cont'd)

##### 7.1.3 Service Configurations (Cont'd)

###### (B) Two-Point Service (Cont'd)

In addition, a Special Access (a.k.a. BellSouth SPA) Surcharge as set forth in 7.4.2 following and a Message Station Equipment Recovery Charge as set forth in 7.4.3 following may be applicable. (T)

The following diagram depicts a two-point Voice Grade (a.k.a. BellSouth SPA DSO VG) service connecting two customer designated premises located 15 miles apart. The service is provided with C-Type Conditioning. (T)



LC - Local Channel<sup>1</sup>  
IOC - Interoffice Channel<sup>2</sup>  
SWC - Serving Wire Center

Applicable rate elements are:

- Local Channels<sup>1</sup>
- Interoffice Channels<sup>2</sup> (mileage band over 8 to 25 miles)
- C-Type Conditioning Optional Feature

Note 1: Two Local Channels are applicable except with WATS Access Line (a.k.a. BellSouth SPA WATS Line) service. WAL (a.k.a. BellSouth SPA WATS Line) service requires only one Local Channel for the (end users) customer designated premises and none for the BellSouth SWA WATS serving office. (T)

Note 2: Interoffice Channels (IOC) are applicable to a WATS Access Line (a.k.a. BellSouth SPA WATS Line) Extension when the BellSouth SWA WATS serving office and the customer's Serving Wire Center (SWC) are not colocated. (T)

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ISSUED: NOVEMBER 1, 1996

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## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.1 General (Cont'd)

#### 7.1.3 Service Configurations (Cont'd)

##### (C) Multipoint Service

Multipoint service connects three or more customer designated premises through a BellSouth Hub. There is no limitation on the number of mid-links available with multipoint service. However, when more than three mid-links are provided in tandem, the quality of the service may be degraded. A mid-link is a channel between Hubs (i.e., bridging locations). Only certain types of Special Access (a.k.a. BellSouth SPA) service are provided as multipoint service. These are so designated in the Service Descriptions set forth in 7.2. following. (T)

Multipoint service utilizing a customized technical specifications package as set forth in 7.2 following will be provided when technically possible. If BellSouth determines that the requested characteristics for a multipoint service are not compatible, the customer will be advised and given the opportunity to change the order.

When ordering, the customer will specify the desired bridging Hub(s) selected from the NATIONAL EXCHANGE CARRIER ASSOCIATION INC. TARIFF F.C.C. No. 4. This tariff identifies the type(s) of bridging functions which are available and the serving wire centers at which they are available.

Applicable Rate Elements are:

- Local Channels (one per customer designated premises)
- Interoffice Channels (as applicable between serving wire centers associated with two customer designated premises, between a serving wire center and a Hub, or between Hubs)
- Bridging
- Additional Optional Features (when applicable)

In addition, a Special Access (a.k.a. BellSouth SPA) Surcharge as set forth in 7.4.2 following and a Message Station Equipment Recovery Charge as set forth in 7.4.3 following may be applicable. (T)

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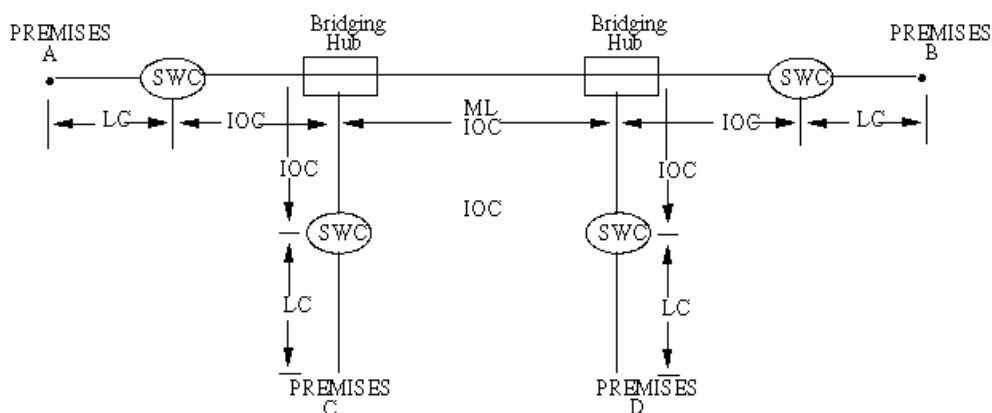
### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.1 General (Cont'd)

#### 7.1.3 Service Configurations (Cont'd)

##### (C) Multipoint Service (Cont'd)

Example: Voice Grade (a.k.a. BellSouth SPA DSO VG) multipoint service connecting four customer premises via two customer specified bridging Hubs. (T)



LC = Local Channel  
 IC = Interoffice Channel  
 B = Bridging  
 SWC = Serving Wire Center  
 ML = Mid-Link

Applicable rate elements are:

- Local Channels (4 applicable)
- Interoffice Channels (5 sections, each from appropriate mileage band)
- Bridging Optional Feature (6 applicable, i.e., each bridge port)

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7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

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ISSUED: SEPTEMBER 29, 2003

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EFFECTIVE: SEPTEMBER 30, 2003

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.1 General (Cont'd)

##### 7.1.3 Service Configurations (Cont'd)

###### (D) SMARTRing Service (a.k.a. BellSouth SPA Dedicated Ring)

The SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) configuration utilizes a multi-nodal ring architecture which is specified jointly by the Telephone Company and the customer. The minimum configuration provides dedicated DS3 and/or DS1 digital services and must include at least three nodes. The three nodes may all be Central Office Nodes in Telephone Company Central Offices, or the three nodes may be a Central Office Node in a Telephone Company Central Office, a Customer Node at a customer's designated location and the third node may be either a Central Office Node or a node at a another customer designated location. Additional nodes for either arrangement may be any combination thereof. The maximum number of nodes will be determined based on equipment capability. The nodes are connected by SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) Local Channels, Alternate Central Office Channels, Interoffice Channels and Internodal Channels as applicable. SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) may be connected to other DS3/DS1 services only at Central Office Nodes. With OC-12 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) installed on or after June 3, 1994, and with OC-48 and OC-48+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) the customer may request an OC-1 and/or OC-3 Overlay Ring Arrangement riding the customer's host OC-12, OC-48, or OC-48+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). With OC-48 or OC-48+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), the customer may request an OC3+ and/or OC-12 Overlay Ring Arrangement riding the customer's host OC-48 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). With OC-192+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), the customer may request an OC3+, OC-12, OC-48, and/or OC-48+ Overlay Ring Arrangement riding the customer's host OC-192+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). With OC-192 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), the customer may request an OC3+, OC-12 and/or OC-48 Overlay Ring Arrangement riding the customer's host OC-192 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). In an Overlay Ring Arrangement, node and channel configuration requirements apply to the host SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring).

(C)

(N)

(N)

(N)

(N)

(N)

(N)

(N)

(N)

Applicable rate elements for this service are:

- Customer Node (at least one for configurations other than three Central Office Node arrangement)
- Customer Channel Interface (one for each originating/terminating activated DS1, DS3, STS-1, OC-3, OC-12, OC-48 and/or 1000 Mbps for each Customer Node)
- Central Office Node (at least one for configurations other than three Central Office Node arrangement)
- Central Office Channel Interface (one for each originating/terminating activated DS1, DS3, STS-1, OC-3 and/or OC-12, OC-48 and/or 1000 Mbps for each Central Office Node or one for each 28 DS1 Channel System and associated DS1 Channel Interfaces for each activated DS3)

(C)

(C)

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ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(D) SMARTRing Service (a.k.a. BellSouth SPA Dedicated Ring) (Cont'd) (T)

Applicable rate elements for this service are: (Cont'd)

- Local Channel  
(at least one for each Customer Node which is directly connected to the serving wire center)
- Alternate Central Office Channel  
(at least one for each Customer Node which is directly connected to an Alternate Central Office)
- Internodal Channel  
(one for each path between two directly connected customer nodes)
- Interoffice Channel  
(one for each path between each two directly connected Telephone Company Central Offices)
- Channel Interface Capacity Reallocation (one per node per occurrence)
- SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) (T)  
Rearrangement (Surveillance, per Node, per SMARTRing service  
(a.k.a. BellSouth SPA Dedicated Ring) rearranged; Reconfiguration, (T)  
per STS-1 group, per Node)

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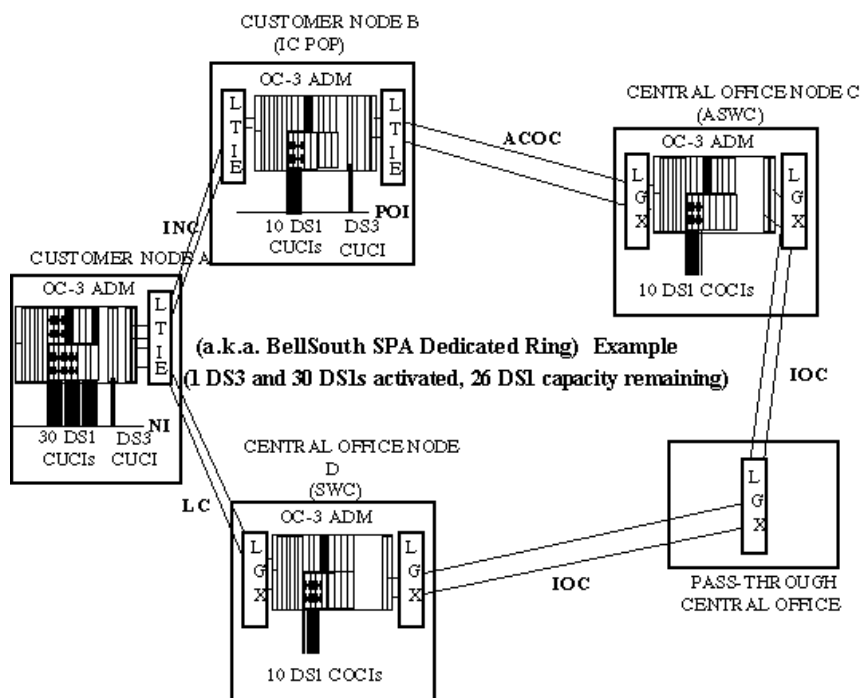
### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.1 General (Cont'd)

#### 7.1.3 Service Configurations (Cont'd)

#### (D) SMARTRing Service (a.k.a. BellSouth SPA Dedicated Ring) (T)

Example: SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) OC-3 capacity. (T)



For this example the following rate elements are applicable:

- 2 Customer Nodes
- 2 Central Office Nodes
- 1 Local Channel
- 1 Internodal Channel
- 1 Alternate Central Office Channel
- 2 Interoffice Channels
- 2 DS3 Customer Channel Interfaces
- 40 DS1 Customer Channel Interfaces
- 20 DS1 Central Office Channel Interfaces

# ACCESS SERVICE

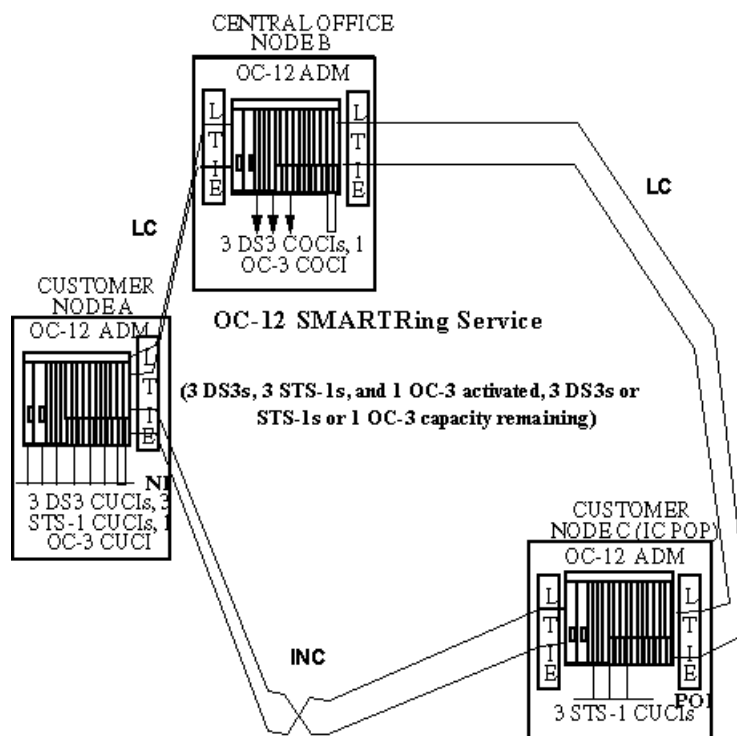
## 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

### 7.1 General (Cont'd)

#### 7.1.3 Service Configurations (Cont'd)

##### (D) SMARTRing Service (a.k.a. BellSouth SPA Dedicated Ring) (Cont'd)

Example: SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) OC-12 capacity.



For this example the following rate elements are applicable:

- 2 Customer Nodes
- 1 Central Office Node
- 2 Local Channels
- 1 Internodal Channel
- 3 DS3 Customer Channel Interfaces
- 3 DS3 Central Office Channel Interfaces
- 6 STS-1 Customer Channel Interfaces<sup>1</sup>
- 1 OC-3 Customer Channel Interface<sup>1</sup>
- 1 OC-3 Central Office Channel Interface<sup>1</sup>

\* Note 1: Available with SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) installed on or after June 3, 1994.

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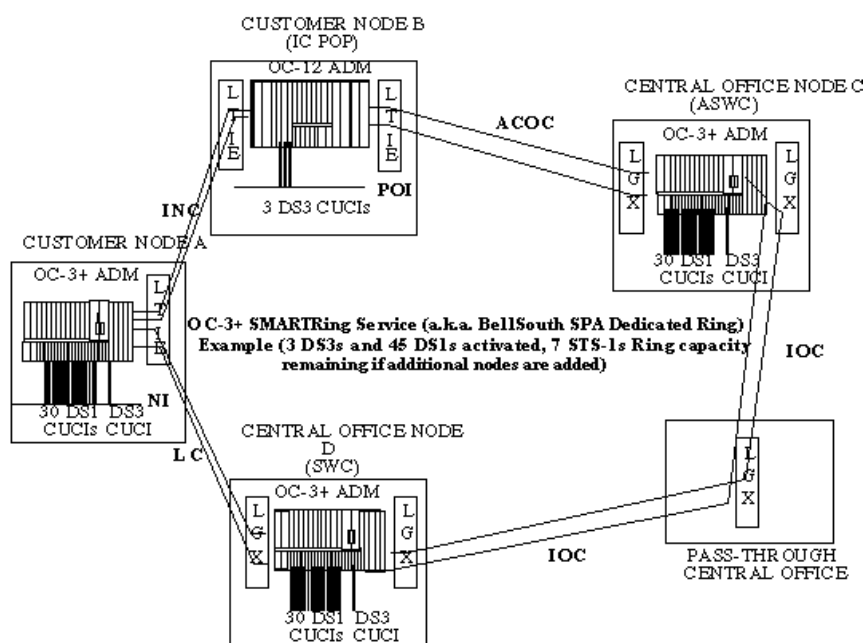
### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.1 General (Cont'd)

#### 7.1.3 Service Configurations (Cont'd)

#### (D) SMARTRing Service (a.k.a. BellSouth SPA Dedicated Ring) (Cont'd) (T)

Example: SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring)  
 OC-3+ capacity. (T)



For this example the following rate elements are applicable:

- 2 Customer Nodes
- 2 Central Office Nodes
- 1 Local Channel
- 1 Internodal Channel
- 1 Alternate Central Office Channel
- 2 Interoffice Channels
- 4 DS3 Customer Channel Interfaces
- 2 DS3 Central Office Channel Interfaces
- 30 DS1 Customer Channel Interfaces
- 60 DS1 Central Office Channel Interfaces

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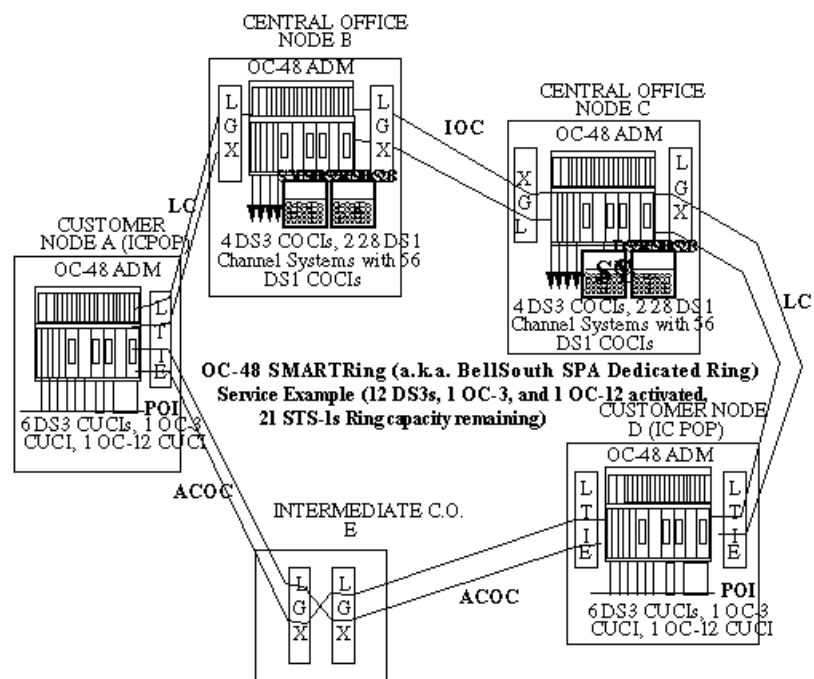
### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.1 General (Cont'd)

#### 7.1.3 Service Configurations (Cont'd)

#### (D) SMARTRing (a.k.a. BellSouth SPA Dedicated Ring) Service (Cont'd) (T)

Example: SMARTRing (a.k.a. BellSouth SPA Dedicated Ring) service OC-48 capacity. (T)



For this example the following rate elements are applicable:

- 2 Customer Nodes
- 2 Central Office Nodes
- 2 Local Channels
- 2 Alternate Central Office Channels
- 1 Interoffice Channel
- 12 DS3 Customer Channel Interfaces
- 8 DS3 Central Office Channel Interfaces
- 4 28 DS1 Channel Systems (DS3)
- 112 DS1 Central Office Channel Interfaces
- 2 OC-3 Customer Channel Interfaces
- 2 OC-12 Customer Channel Interfaces

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(T)



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EFFECTIVE: JANUARY 9, 2004

## ACCESS SERVICE

- 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (N)
- 7.1 General (Cont'd) (N)
- 7.1.3 Service Configurations (Cont'd) (N)
- (E) BellSouth Cross Connect Service (N)
- Terms and conditions and rates for the following BellSouth Cross Connect Services are as set forth in Section 13 of this Tariff: (N)
- Intra-Office Collocation Cross Connect Service (N)
- Physical Access Cross Connect Service (N)
- Virtual Access Cross Connect Service (N)

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ISSUED: OCTOBER 1, 2003

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EFFECTIVE: OCTOBER 16, 2003

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.1 General (Cont'd)

##### 7.1.4 Alternate Use

Alternate Use occurs when a service is arranged by the Telephone Company so that the customer can select different types of transmission at different times. A customer may use a service in any privately beneficial manner. However, where technical or engineering changes are required to effectuate an alternate use, the Telephone Company will make such special arrangements available on an individual case basis.

The arrangement required to transfer the service from one operation to the other (i.e., the transfer relay and control leads) will be rated and provided on an individual case basis and filed in Section 12 of this Tariff. The customer will pay the stated tariff rates for the Access Service rate elements for the service ordered (i.e., Local Channels, Interoffice Channels [as applicable] and Optional Features [if any]). (T)

##### 7.1.5 Special Facilities Routing

A customer may request that the facilities used to provide Special Access Service (a.k.a. BellSouth SPA) be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are set forth in Section 11 of this Tariff. (T)

Special Facilities Routing is not available with BellSouth ADSL service as set forth in Section 28 of this Tariff. (T)

##### 7.1.6 Design Layout Report

At the request of the customer, the Telephone Company will provide to the customer the make-up of the facilities and services provided under this tariff as Special Access Service (a.k.a. BellSouth SPA) to aid the customer in designing its overall service. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided to the customer at no charge, and will be reissued or updated whenever these facilities are materially changed.

A Design Layout Report is not available with BellSouth ADSL service as set forth in Section 28 of this Tariff. (T)

##### 7.1.7 Acceptance Testing

At no additional charge, the Telephone Company will, at the customer's request, cooperatively test, at the time of installation, the following parameters:

\*\*\*\*\*

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## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.1 General (Cont'd)

##### 7.1.7 Acceptance Testing (Cont'd)

(A) For Voice Grade (a.k.a. BellSouth SPA DS0 VG) analog services, acceptance tests will include tests for loss, 3-tone slope, DC continuity, operational signaling, C-notched noise, and C-message noise when these parameters are applicable and specified in the order for service. Additionally, for Voice Grade (a.k.a. BellSouth SPA DS0 VG) services, a balance (improved loss) test will be made if the customer has ordered the Improved Return Loss optional feature.

(B) For other analog services (i.e., Metallic (a.k.a. BellSouth SPA Metallic), Telegraph (a.k.a. BellSouth SPA Telegraph), Program Audio (a.k.a. BellSouth SPA Program Audio), Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video), Commercial Quality Video (a.k.a. BellSouth SPA Commercial Quality Video), 70 MHz Transport Service (a.k.a. BellSouth MHz Transport) service, Wideband Analog (a.k.a. BellSouth Wideband Analog), Wideband Data (a.k.a. BellSouth Wideband Data) and WATS Access Line (a.k.a. BellSouth SPA WATS Line) and for digital services (i.e., Digital Data Access service (a.k.a. BellSouth SPA DS0 Digital Data), DS3 Digital Video Service (a.k.a. BellSouth SPA DS3 Digital Video), Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) service, BellSouth SPA Modular Video Transport Service and High Capacity (a.k.a. BellSouth SPA High Capacity), acceptance tests will include tests for the parameters applicable to the service as specified in the order for service.

(C)

Acceptance tests are not performed for BellSouth ADSL service as set forth in Section 28 of this Tariff.

(T)  
(T)

In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade (a.k.a. BellSouth SPA DS0 VG) service to test other parameters, as described in 13.3.5 (B) following, is available at the customer's request. All tests results will be made available to the customer upon request.

##### 7.1.8 Ordering Options and Conditions

The customer places an access order with the Telephone Company for the provision of Special Access (a.k.a. BellSouth SPA) service.

The options and conditions for access orders are set forth in detail in Section 5 of this Tariff. Also included in Section 5 of this Tariff are other charges that may be associated with ordering Special Access (a.k.a. BellSouth SPA) service (e.g., Service Date Change Charges, Cancellation Charges, etc.).

(T)  
(T)  
(T)



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## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

(T)

#### 7.2 Service Descriptions

For the purposes of ordering, there are twelve categories of Special Access Service. These are:

Metallic (a.k.a. BellSouth SPA Metallic) (MT)  
Telegraph Grade (a.k.a. BellSouth SPA Telegraph) (TG)  
Voice Grade (a.k.a. BellSouth SPA DSO VG) (VG)  
Program Audio (a.k.a. BellSouth SPA Program Audio) (AP)  
Video (a.k.a. BellSouth SPA Video) (TV)  
Wideband Analog (a.k.a. BellSouth SPA Wideband Analog) (WA)  
Wideband Data (a.k.a. BellSouth SPA Wideband Data) (WD)  
Digital Data Access (a.k.a. BellSouth SPA DSO Digital Data) Service (DDAS)  
High Capacity (a.k.a. BellSouth SPA High Capacity) (HC)  
WATS Access Line (a.k.a. BellSouth SPA WATS Line) (WAL)  
Self-Healing Rings (SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring)  
Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) Service  
(DDCS)

(T)  
(T)  
(T)  
(T)  
(T)  
(T)  
(T)  
(T)  
(T)  
(T)  
(T)  
(T)

Each service consists of a basic channel to which a technical specifications package (predefined), channel interface(s) and, when desired, optional features and functions are added to construct the service desired by the customer. Each of the components of the service are described in this section.

The channel description specifies the characteristics of the basic channel and indicates whether the channel is provided between customer designated premises or between a customer designated premises and a Telephone Company Hub where bridging and/or channelization functions are performed.

Information pertaining to the technical specifications packages indicates the transmission parameters that are available with each package. This information is displayed in a matrix with the transmission parameters listed down the left side and the packages listed across the top. Each package is identified by a code, e.g., VG1. The first two letters of the code indicate the category of Special Access Service to which the parameters are applicable. The number "1" following the two letter code indicates the technical specifications package for a Voice Grade (a.k.a. BellSouth SPA DSO VG) service. The numeric designation following the two letter code indicates the specific predefined package. When appropriate, the Technical Reference which contains detailed specifications for the parameters is shown following the matrix.

(T)

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TARIFF F.C.C. NO. 1  
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EFFECTIVE: SEPTEMBER 1, 1998

#### ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

Channel interfaces at each point of termination on a two-point service may be symmetrical or asymmetrical. On a multipoint service they may also be symmetrical or asymmetrical. However, communications can only be provided between points of termination with compatible channel interfaces. Only certain channel interfaces are compatible. Technical references are set forth in 7.3.5 following.

Only certain channel interface combinations are available with the predefined technical specifications packages. These are delineated in the Technical References set forth at the end of this 7.2. When a customized channel is requested, all channel interface combinations available with the specified type of service are available with the customized channel.

The optional features and functions available with each type of Special Access (a.k.a. BellSouth SPA) service are described in this section. The optional features and functions information also indicates with which technical specifications packages they are available. Such information is displayed in a matrix with the optional feature or function listed down the left side and the technical specifications package listed across the top.

The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this tariff except that existing services with performance specifications exceeding the standard listed in this provision will be maintained at the performance levels specified in this tariff.

All services installed after the effective date of this tariff will conform to the transmission specification standards contained in this tariff or in the following Technical References for each category of service:

Metallic (a.k.a. BellSouth SPA Metallic)	TR-NPL-000336	
Telegraph Grade (a.k.a. BellSouth SPA Telegraph)	TR-NPL-000336	
Voice Grade (a.k.a. BellSouth SPA DSO VG)	TR-NWT-000335	
	MDP 326-584	
Program Audio (a.k.a. BellSouth SPA Program Audio)	TR-NPL-000337	
Video (a.k.a. BellSouth SPA Video)		(D)
		(D)
		(D)
		(D)
	TR-73583 (BellSouth)	
	TR-73606 (BellSouth)	
	TR-73607 (BellSouth)	
	TR-73608 (BellSouth)	(N)(x)
	TR-73609 (BellSouth)	
	TR-73611 (BellSouth)	(N)(x)
Wideband Analog (a.k.a. BellSouth SPA Wideband Analog)	TR-NPL-000339	
Wideband Data (a.k.a. BellSouth SPA Wideband Data)	TR-NPL-000340	

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TARIFF F.C.C. NO. 1  
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## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data) Service	TR-NWT-000341
For 2.4, 4.8, 9.6 & 56.0 kbps	ANSI T1.107b-1
For 19.2 kbps	ANSI T1.197b-1991
For 64.0 kbps	ANSI T1.107b-1991
High Capacity	TR-NPL-000054
	TR-INS-000342
WATS Access Line (a.k.a. BellSouth SPA WATS Line)	TR-NWT-000334
Self-healing Rings	TR-NWT-000496
Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) Service	TR-73548
	TR-73548, Addendum 1
SMARTPath Service (a.k.a. BellSouth SPA DS1 Shared Ring)	TR-73575
SMARTPath DS3 Transport (a.k.a. BellSouth SPA DS3 Shared Ring) Service	TR-73575, Addendum 1
BellSouth ADSL Service and BellSouth Session Based DSL Service	TR-73612

(C)  
(C)

#### 7.2.1 Metallic Service (a.k.a. BellSouth SPA Metallic)

##### (A) Basic Channel Description

A Metallic (a.k.a. BellSouth SPA Metallic) channel is an unconditioned two-wire channel capable of transmitting low speed varying signals at rates up to 30 baud. This channel is provided by metallic or equivalent facilities. Metallic (a.k.a. BellSouth SPA Metallic) channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub where bridging functions are performed. Interoffice metallic facilities will be limited in length to a total of five miles per channel.

##### (B) Technical Specifications Packages

Parameter	Package MT-		
	1	2	3
DC Resistance			
Between Conductors	X	X	
Loop Resistance			X
Shunt Capacitance			X

The technical specifications are delineated in Technical Reference TR-NPL-000336.

##### (C) Channel Interface

Compatible channel interfaces are set forth in Technical Reference TR-NPL-000336.

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 ISSUED: NOVEMBER 1, 1996

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 EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

### 7.2 Service Descriptions (Cont'd)

7.2.1 Metallic (a.k.a. BellSouth SPA Metallic) Service (Cont'd) (T)

#### (D) Optional Features and Functions

##### (1) Central Office Bridging Capability

(a) Three Premises Bridging - Provision of tip-to-tip and ring-to-ring connection in a central office of a metallic pair to a third customer designated premises.

(b) Series Bridging of up to 26 customer designated premises.

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package MT -		
	<u>1</u>	<u>2</u>	<u>3</u>
Three Premises Bridging	X		X
Series Bridging		X	

7.2.2 Telegraph Grade (a.k.a. BellSouth SPA Telegraph) Service (T)

#### (A) Basic Channel Description

A Telegraph (a.k.a. BellSouth SPA Telegraph) Grade channel is an unconditioned channel capable of transmitting binary signals at rates of 0-75 baud or 0-150 baud. This channel is furnished for half-duplex or duplex operation. Telegraph (a.k.a. BellSouth SPA Telegraph) Grade channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub. (T)

#### (B) Technical Specifications Packages

<u>Parameter</u>	<u>Package TG-</u>	
	<u>1</u>	<u>2</u>
Telegraph Distortion	X	X

The technical specifications are delineated in Technical Reference TR-NPL-000336.

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ISSUED: NOVEMBER 1, 1996

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ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

7.2 Service Descriptions (Cont'd)

7.2.2 Telegraph (a.k.a. BellSouth SPA Telegraph) Grade Service (Cont'd) (T)

(C) Channel Interfaces

Compatible channel interfaces are set forth in Technical Reference  
TR-NPL-000336.

(D) Optional Features and Functions

(1) Telegraph Bridging (two-wire and four-wire)

The following table shows the technical specifications packages with  
which the optional features and functions are available.

	<u>Available with Technical Specifications Package TG-</u>	
	<u>1</u>	<u>2</u>
Telegraph Bridging	X	X

7.2.3 Voice Grade (a.k.a. BellSouth SPA DS0 VG) Service (T)

(A) Basic Channel Description

A Voice Grade (a.k.a. BellSouth SPA DS0 VG) channel is a channel which  
provides voice frequency transmission capability in the nominal  
frequency range of 300 to 3000 Hz and may be terminated two-wire or  
four-wire. Voice Grade (a.k.a. BellSouth SPA DS0 VG) channels are  
provided between customer designated premises or between a customer  
designated premises and a Telephone Company Hub. (T)

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 ISSUED: NOVEMBER 1, 1996

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 EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

### 7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade (a.k.a. BellSouth SPA DSO VG) Service (Cont'd) (T)

#### (B) Technical Specifications Packages

Parameter	Package VG-											
	1	2	3	4	5	6	7	8	9	10	11	12
Attenuation												
Distortion	X	X	X	X	X	X	X	X	X	X	X	X
C-Message Noise	X	X	X	X	X	X	X	X	X	X	X	X
Echo Control	X	X	X		X		X	X			X	X
Envelope Delay												
Distortion						X	X	X	X	X	X	X
Frequency Shift						X	X	X	X	X	X	X
Impulse Noise					X	X	X	X	X	X	X	X
Intermodulation												
Distortion						X	X	X	X	X	X	
Loss Deviation	X	X	X	X	X	X	X	X	X	X	X	X
Phase Jitter						X	X	X	X	X	X	
Signal-to-C												
Message Noise				X								
Signal-to-C												
Notch Noise					X	X	X	X	X	X	X	X

The technical specifications for these parameters (except for dropouts, gain hits, and phase hits) are delineated in Technical Reference TR-NWT-000335. The technical specifications for dropouts, phase hits, and gain hits are delineated in Technical Reference MDP 326-584.

#### (C) Channel Interfaces

The following channel interfaces for Voice Grade (a.k.a. BellSouth SPA DSO VG) service do not require signaling capability: AH, DA, DB, DS, NO, PR and TF. (T)

The following channel interfaces for Voice Grade (a.k.a. BellSouth SPA DSO VG) service require signaling capability: AB, AC, CT, DX, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, RV and SF. (T)

Compatible channel interfaces are set forth in Technical Reference TR-NWT-000335 and MDP 326-584.

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## ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

### 7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade (a.k.a. BellSouth SPA DSO VG) Service (Cont'd) (T)

#### (D) Optional Features and Functions

##### (1) Central Office Bridging Capability

- (a) Voice Bridging\* (two-wire and four-wire)
- (b) Data Bridging\*\* (two-wire and four-wire)
- (c) Telephoto Bridging\*\*\* (two-wire and four-wire)

##### (2) Conditioning

Conditioning provides more specific transmission characteristics for Voice Grade (a.k.a. BellSouth SPA DSO VG) services. C-Type conditioning controls attenuation distortion and envelope delay distortion. Sealing Current helps maintain continuity on dry metallic loops. (T)

In addition, a customer may desire that either the attenuation distortion or the envelope delay distortion, or both, be improved to more stringent specifications than those provided for C-Type conditioning. In such cases the customer has the option of ordering either Improved Attenuation Distortion or Improved Envelope Delay Distortion with Improved Attenuation Distortion, as desired.

For two-point services, the parameters apply to each service. For multipoint services, the parameters apply to each mid link or end link. C-Type conditioning and D-Conditioning may be combined on the same service.

\* - Voice Bridging is intended for use with VG-2, -5 and -12, however, it may be used on VG-6 and VG-10 at a customer's request.

\*\* - Data Bridging is intended for use with VG-6 and VG-10, however, it may be used on VG-2, -5 and -12 at a customer's request.

\*\*\* - Telephoto Bridging is intended for use on VG-11.

\*\*\*\*\*

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ISSUED: NOVEMBER 1, 1996

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ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade (a.k.a. BellSouth SPA DSO VG) Service (Cont'd) (T)

(D) Optional Features and Functions (Cont'd)

(2) Conditioning (Cont'd)

(a) C-Type Conditioning

C-Type Conditioning is provided for the additional control of attenuation distortion and envelope delay distortion on data services. The attenuation distortion and envelope delay distortion specifications for C-Type Conditioning are:

Attenuation Distortion  
(Frequency Response)  
Relative to 1004 Hz

<u>Frequency Range (Hz)</u>	<u>Variation (dB)</u>
---------------------------------	---------------------------

504-2804	-1.0 to +3.0
304-3004	-2.0 to +6.0

<u>Frequency Range (Hz)</u>	<u>Envelope Delay Distortion Variation (micro-seconds)</u>
---------------------------------	--

1004-2604	≤500
604-2604	≤1500
504-2804	≤3000

\*\*\*\*\*



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ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade (a.k.a. BellSouth SPA DSO VG) Service (Cont'd) (T)

(D) Optional Features and Functions (Cont'd)

(2) Conditioning (Cont'd)

(b) Improved Attenuation Distortion

Improved attenuation distortion is provided for additional control of attenuation distortion. The improved attenuation distortion specifications are:

<u>Attenuation Distortion</u> <u>(Frequency Response)</u> <u>Relative to 1004 Hz</u>	
<u>Frequency</u> <u>Range (Hz)</u>	<u>Variation</u> <u>(dB)</u>
404-2804	-1.0 to +2.0
304-3004	-1.0 to +3.0
304-3204	-2.0 to +6.0

(c) Improved Envelope Delay Distortion

Improved envelope delay distortion is provided for additional control of envelope delay distortion. The improved envelope delay distortion specifications are:

<u>Envelope Delay</u> <u>Distortion</u>	
<u>Frequency</u> <u>Range (Hz)</u>	<u>Variation</u> <u>(micro-</u> <u>seconds)</u>
1004-2604	≤100
804-2604	≤200
604-2604	≤300
504-2804	≤600
504-3004	≤3000

\*\*\*\*\*

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## ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

### 7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade (a.k.a. BellSouth SPA DSO VG) Service (Cont'd) (T)

#### (D) Optional Features and Functions (Cont'd)

##### (2) Conditioning (Cont'd)

###### (d) Sealing Current Conditioning

Sealing Current Conditioning is provided to help maintain continuity on dry metallic loops. It is usually associated with four-wire DA or NO type channel interfaces.

##### (3) Customer Specified Premises Receive Level

This option allows the customer to specify the receive level at the Point of Termination for a two or four wire interface at the customer's premises. For a two-wire interface, the customer must order an effective four-wire channel and must specify a receive level within the range allowable for effective four-wire transmission. For a four-wire interface the receive level specified must be within the range allowable for four-wire transmission. The customer can order improved termination for a wider range of receive levels. The ranges are delineated in Technical Reference TR-NWT-000335.

##### (4) ECHO CONTROL

###### (a) Improved Return Loss

On Effective Two-Wire Transmission at Two-Wire Point of Termination (POT): provides for more stringent Echo Control Specifications. In order for this option to be applicable, the transmission path must be four-wire at one POT and two-wire at the other POT. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire POT. The Improved Return Loss parameters are delineated in Technical Reference TR-NWT-000335.

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#### ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade (a.k.a. BellSouth SPA DSO VG) Service (Cont'd) (T)

#### (D) Optional Features and Functions (Cont'd)

##### (4) ECHO CONTROL (Cont'd)

##### (b) ELEPL 2 (Equal Level Echo Path Loss)

On Effective Two-Wire Transmission at Four-Wire Point of Termination (POT): provides for more stringent Echo Control specifications. In order for this option to be applicable, the transmission path must be two-wire at one POT and four-wire at the other POT. Telephone Company equipment may be required at the customer's premises where this option is ordered. The ELEPL2 parameters are delineated in Technical Reference TR-NWT-000335.

##### (5) D-Conditioning

D-Conditioning provides improved transmission characteristics for data communications. Specifically, D-Conditioning upgrades the signal-to-C notched noise ration and intermodulation distortion limits. This option is available for use with Technical Specification Packages VG6, VG7 and VG10 on two-point and multipoint services. (However, it is not recommended for use with multipoint.) When a service equipped with D-Conditioning is used for voice communications, the quality of voice transmission may not be satisfactory.

The Signal to C-Notched Noise Ratio and Intermodulation Distortion parameters for D - Conditioning are:

- Signal to C-Notched Noise Ratio is equal to or greater than 32dB
- Intermodulation Distortion: Signal to second order modulation products (R2) is equal to or greater than 38dB Signal to third order modulation products (R3) is equal to or greater than 42dB

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EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

### 7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade (a.k.a. BellSouth SPA DSO VG) Service (Cont'd) (T)

#### (D) Optional Features and Functions (Cont'd)

##### (6) Telephoto Conditioning

T-Conditioning provides transmission characteristics suitable for telephotographic communications. Specifically, T-Conditioning is provided for the control of attenuation distortion and envelope delay distortion on telephotographic services. The attenuation distortion and envelope delay distortion parameters for T-Conditioning are:

<u>Attenuation Distortion</u> (2204 Hz Reference)		<u>Envelope Delay Distortion</u>	
<u>Frequency Range (Hz)</u>	<u>Variation (dB)</u>	<u>Frequency Range (Hz)</u>	<u>Variation mcs</u>
500-3000	-0.5 to +1.5	1000-2600	≤110
300-3200	-1.0 to +2.5	800-2800	≤180

##### (7) Signaling Capability

Signaling Capability provides for the process by which one customer premises alerts another customer premises on the same service with which it wishes to communicate.

#### (8) Public Packet Switching Network (PPSN) Interface Arrangement, Transport and Features (Packet Switching Options - CUG, Hunt Group, Call Redirection, Direct Call and Fast Select)

(a) The Interface Arrangement, consisting of an access port, central office data set and various optional features, provides the interface requirements necessary for a Voice Grade Special Access (a.k.a. BellSouth SPA DSO VG) Service to interface with a Public Packet Switching Network packet switch located in a Telephone Company premises. Telephone Company Public Packet Switched Network (PPSN) switches are considered to be customer premises for purposes of the application of rates in this tariff. (T)

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EFFECTIVE: DECEMBER 16, 1996

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade (a.k.a. BellSouth SPA DSO VG) Service (Cont'd) (T)

(D) Optional Features and Functions (Cont'd)

(8) Public Packet Switching Network (PPSN) Interface Arrangement,  
Transport and Features (Cont'd)

- (c) The interfaces, as defined by the CCITT, for X.25 and X.75 protocols are available in all of the Telephone Company operating areas. Charges for the X.25 and X.75 Interface Arrangements are contained in Section 7.5.3(E).
- (d) Public Packet Switching Network transport charges apply per associated Public Packet Switching Network Interface Arrangement. Public Packet Switching Network transport charges are contained in Section 7.5.3(G).
- (e) Public Packet Switching Network features are offered at no additional charge with initial subscription to the associated Public Packet Switching Network Interface Arrangement. The Feature Change Charge applies to any type of Public Packet Switching Network Interface Arrangement when a network feature or group of features is added or changed subsequent to the initial service establishment of the affected Interface Arrangement. The Feature Change Charge is contained in Section 7.5.3(H).

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EFFECTIVE: DECEMBER 16, 1996

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade (a.k.a. BellSouth SPA) Service (Cont'd) (T)

(D) Optional Features and Functions (Cont'd)

(9) Improved Termination

The Improved Termination option provides a fixed 600 ohm impedance, a variable level range and simplex reversal, when applicable, at the point of termination. Telephone Company equipment is required at the customers premises when this option is ordered. The Improved Termination parameters are delineated in Technical Reference TR-NWT-000335.

(10) Simplex Reversal

The Simplex Reversal option physically turns over the simplex DC path presented at the four-wire point of termination when L0, LS, G0, GS, & DX signaling is provided at the point of termination.

(11) Effective Four-Wire

An arrangement which permits the simultaneous independent transmission of information in both directions over a single channel. Effective four-wire channels must be terminated with a four-wire local channel as specified in 7.5.3 following.

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TARIFF F.C.C. NO. 1  
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 CANCELS 2ND REVISED PAGE 7-31  
 EFFECTIVE: AUGUST 13, 2005

# ACCESS SERVICE

## 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

### 7.2 Service Descriptions (Cont'd)

#### 7.2.3 Voice Grade (a.k.a. BellSouth SPA DSO VG) Service (Cont'd)

##### (D) Optional Features and Functions (Cont'd)

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package VG-											
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>
C-Type Conditioning					X	X	X	X	X	X		
Improved Attenuation												
Distortion					X	X	X	X	X	X		
Improved Envelope												
Delay Distortion					X	X	X	X	X	X		
Sealing Current												
Conditioning					X	X				X		
Data Capability						X	X			X		
Central Office												
Bridging		X			X	X				X	X	X
Channelization						X						
Customer Specified												
Premises Receive												
Level		X	X				X	X	X			
Echo Control												
Improved Return												
Loss		X	X				X					
ELEPL2	X	X	X		X		X					
BellSouth Customer												
Network Management												
Service	X	X	X	X	X	X	X	X	X	X	X	
Improved Termination	X	X	X	X	X	X	X	X	X	X	X	X
Simplex Reversal	X	X	X				X	X	X			
Signaling Capability	X	X	X				X	X	X			
Telephoto												
Conditioning										X		
PPSN Interface												
Arrangement										X		

(C)  
(C)  
(C)

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EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

### 7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade (a.k.a. BellSouth SPA DSO VG) Service (Cont'd) (T)

#### (E) Four-Wire/Two-Wire Conversions

When a customer requests that an effective four-wire channel be terminated with a two-wire channel interface at the customer designated premises, a four-wire to two-wire conversion of the Four-Wire Local Channel is required. The rate for the conversion is included as part of the basic Local Channel rate.

7.2.3.1 WATS Access Line (WAL) (a.k.a. BellSouth SPA WATS Line) Service (T)

#### (A) Basic Channel Description

A WATS Access Line (a.k.a. BellSouth SPA WATS Line) service (WAL) provides a channel for voice frequency transmission capability. The service provides a connection between a customer designated premises and a WATS serving office associated with the closed end of BellSouth SWA 8xx Toll Free Dialing Ten Digit Screening Service, WATS (a.k.a. BellSouth SPA WATS Line) or similar services. It is provided for use with BellSouth SWA FGA, BellSouth SWA FGB, BellSouth SWA FGC or BellSouth SWA FGD in the originating and terminating direction and BellSouth SWA service arrangement features as set forth in Section 6. preceding. (T)

The following shall apply to the Telephone Company's provision of WATS access line (a.k.a. BellSouth SPA WATS Line) service: (T)

- (1) When the end user's serving wire center is not a WATS serving office, Interoffice Channel charges will apply for a WATS Access Line (a.k.a. BellSouth SPA WATS Line) Extension (WALE) between the end user's serving wire center and the nearest WATS serving office. (T)



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 ISSUED: NOVEMBER 1, 1996

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 EFFECTIVE: DECEMBER 16, 1996

# ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

## 7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade (a.k.a. BellSouth SPA DS0 VG) Service (Cont'd) (T)

7.2.3.1 WATS Access Line (a.k.a. BellSouth SPA WATS Line) (WAL) Service (Cont'd) (T)

### (A) Basic Channel Description (Cont'd)

WAL (a.k.a. BellSouth SPA WATS Line) service is arranged for either originating calling, terminating calling, or two-way calling. It is provided with either rotary dial or dual tone multifrequency address signaling and either loop start, ground start, E&M or reverse battery supervisory signaling. The choice of the type of signaling is at the option of the customer and subject to the technical limitations identified in the Technical Reference TR-NWT-000334. WATS Access Line (a.k.a. BellSouth SPA WATS Line) service is provided as an effective two-wire, an effective four-wire or a DS1 (i.e., 1.544 Mbps) transmission path. The DS1 WAL is only available as a trunk side termination on suitably equipped electronic switch, e.g., 1/1A ESS with Digital Carrier Termination (DCT) or DMS-100 with a Line Trunk Unit (LTU). (T)

### (B) Technical Specification Packages

<u>Parameters</u>	<u>Packages WAL -</u>		
	<u>1</u>	<u>2</u>	<u>3</u>
Attenuation Distortion	X	X	
Bit error rate			X
C-Message Noise	X	X	
Echo Control	X	X	
Envelope Delay Distortion	X	X	
Frequency Shift	X	X	
Impulse Noise	X	X	
Intermodulation Distortion	X	X	
Loss Deviation	X	X	
Phase Jitter	X	X	
Signal-to-C Notch Noise	X	X	

The technical specifications are delineated in Technical Reference TR-NWT-000334.

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## ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

### 7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade (a.k.a. BellSouth SPA DSO VG) Service (Cont'd) (T)

7.2.3.1 WATS Access Line (a.k.a. BellSouth SPA WATS Line) (WAL) Service (Cont'd) (T)

(C) The following interfaces are available with WAL (a.k.a. BellSouth SPA WATS Line) Service: (T)

LO, LS, DS, GO, GS, RV, EA, EB

Compatible channel interfaces are set forth in Technical Reference TR-NWT-000334.

#### (D) Optional Features and Functions

(1) Two-wire and four-wire Central Office bridging capability.

(2) Improved two-wire voice transmission specifications.

(3) Certain other arrangements associated with WAL (a.k.a. BellSouth SPA WATS Line) services such as WATS Access Line (a.k.a. BellSouth SPA WATS Line) Nonchargeable Termination Options and Common Switching Optional Features are available as defined in Section 6 preceding. (T)

(4) One-way or Two-way Capability

7.2.4 Program Audio Service (a.k.a. BellSouth SPA Program Audio) (T)

#### (A) Basic Channel Description

A Program Audio channel is a channel measured in Hz for the transmission of a complex signal voltage. The actual bandwidth is a function of the channel interface selected by the customer. Only one-way transmission is provided. Program Audio channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

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 ISSUED: NOVEMBER 1, 1996

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 EFFECTIVE: DECEMBER 16, 1996

# ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

## 7.2 Service Descriptions (Cont'd)

7.2.4 Program Audio (a.k.a. BellSouth SPA Program Audio) Service (Cont'd) (T)

### (B) Technical Specifications Packages

Parameter*	Package AP-			
	1	2	3	4
Actual Measured Loss	X	X	X	X
Amplitude Tracking				
Crosstalk	X	X	X	X
Distortion Tracking				
Gain/Frequency				
Distortion	X	X	X	X
Group Delay				
Noise	X	X	X	X
Phase Tracking				
Short-Term Gain				
Stability				
Short-Term Loss				
Total Distortion	X	X	X	X

The technical specifications are delineated in Technical Reference TR-NPL-000337.

### (C) Channel Interfaces

Compatible channel interfaces (CIs) are set forth in Technical Reference TR-NPL-000337.

CI	Bandwidth
PG-1	Nominal frequency from 50 to 15000 Hz
PG-3	Nominal frequency from 200 to 3500 Hz
PG-5	Nominal frequency from 100 to 5000 Hz
PG-8	Nominal frequency from 50 to 8000 Hz

Compatible channel interfaces are set forth in 7.3.5(D) following.

\* The desired parameters are selected by the customer from the list of available parameters.

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EFFECTIVE: DECEMBER 16, 1996

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

7.2 Service Descriptions (Cont'd)

7.2.4 Program Audio (a.k.a. BellSouth SPA Program Audio) Service (Cont'd) (T)

(D) Optional Features and Functions

(1) Central Office Bridging Capability

Distribution Amplifier

(2) Gain Conditioning

Control of 1004 Hz AML at initiation of service to  $0\text{dB} \pm 0.5\text{ dB}$ .

(3) Stereo

Provision of a pair of gain/phase equalized channels for stereo applications. (Additional AP channel must be ordered separately.)

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package AP-			
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
Central Office Bridging Capability	X	X	X	X
Gain Conditioning	X	X	X	X
Stereo				X

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TARIFF F.C.C. NO. 1  
5TH REVISED PAGE 7-36.1  
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EFFECTIVE: FEBRUARY 9, 2006

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.5 Video (a.k.a. BellSouth SPA Video) Services

The Telephone Company provides the following video services.

##### 7.2.5.1 Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video) Service

###### (A) Basic Channel Description

Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video) service provides one-way transmission of National Television Systems Committee (NTSC) or Serial Digital Interface (SDI) video signals between customer designated premises or between a customer designated premises and a Telephone Company central office via fiber optic facilities. A NTSC video channel provides standard 525 line/60 field, System M video signal with four (4) associated 20 kHz audiosignals. The bandwidth for NTSC channels is either 30 Hz to 4.5 MHz or 30 Hz to 6.6 MHz. The associated audio signals may be either diplexed or provided as separate channels. The provision and the bandwidth of the associated audio signals is a function of the channel interface selected by the customer. (C)

Standard Digital Interface (SDI) video channels provide uncompressed digital video signals transported at 270 Mbps and is designed to meet ITU-R BT.601 standards and the Society of Motion Picture and Television Engineers (SMPTE) Standard 259M. The bandwidth for SDI channels is 270 Mbps. The audio signals are embedded in the 270 Mbps interface by the customer, therefore, separate audio channels are not required. (T)

Different rates and charges apply for the two types of video signals. NTSC and SDI channels are provided under a month to month rate option.

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ISSUED: OCTOBER 25, 1999

TARIFF F.C.C. NO. 1  
4TH REVISED PAGE 7-37  
CANCELS 3RD REVISED PAGE 7-37  
EFFECTIVE: OCTOBER 26, 1999

ACCESS SERVICE

7 - Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Video (a.k.a. BellSouth SPA Video) Services (Cont'd)

7.2.5.1 Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video) Service (Cont'd)

(B) Technical Specifications

The compatibility requirements, technical specifications, and generic requirements for Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video) terminated at the customer's designated locations are referenced in BellSouth Technical Reference 73608 for NTSC video channels and Technical Reference 73621 for SDI video channels.

(M)  
(M)  
(M)  
(M)  
(C)  
(C)

(C) Channel Interfaces

Compatible channel interfaces are set forth in BellSouth Technical Reference 73608 for NTSC video channels and Technical Reference 73621 for SDI video channels.

(M)  
(M)  
(C)  
(C)

Certain material now appearing on this page previously appeared on 2nd Revised Page 7-36.1.

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EFFECTIVE: SEPTEMBER 1, 1998

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ISSUED: DECEMBER 14, 2001

TARIFF F.C.C. NO. 1  
5TH REVISED PAGE 7-38.1  
CANCELS 4TH REVISED PAGE 7-38.1

EFFECTIVE: DECEMBER 29, 2001

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.5 Video (a.k.a. BellSouth SPA Video) Services (Cont'd)

###### 7.2.5.2 Commercial Quality Video (a.k.a. BellSouth SPA Commercial Quality Video) Service

###### (A) Basic Channel Description

Commercial Quality Video (a.k.a. BellSouth SPA Commercial Quality Video) service provides a video channel with one-way transmission capability for a standard 525-line/60-field monochrome, or National Television Systems Committee (NTSC) - System M video signal. This service includes two associated 15 kHz audio signals. Commercial Quality Video (a.k.a. BellSouth SPA Commercial Quality Video) service is available for local channels and for associated interoffice channels. This video service has less stringent technical parameters than Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video) service. The video bandwidth is 4.2 MHz wide.

Commercial Quality Video (a.k.a. BellSouth SPA Commercial Quality Video) is available in two configurations - a Single Channel Video System and a Multiple Channel Video System. Different rates and charges apply for the two configurations. Each are offered under a month to month rate option. (C)

The Single Channel Video System is available for customers who require one video signal between two end locations. The Multiple Channel Video System is available for customers who require several video signals in the same direction and between the same two end locations. The Multiple Channel Video System is available with a maximum of eight video channels. For each video channel, a Transmit and a Receive element is required. Also, on the Multiple Channel Video System, both a Transmit and Receive System element is required. (C)

Two-way, interactive service may be provided by combining two one-way Single Channel Video Systems or by combining two one-way Multiple Channel Video Systems.



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ISSUED: AUGUST 17, 1998

TARIFF F.C.C. NO. 1  
3RD REVISED PAGE 7-38.2  
CANCELS 2ND REVISED PAGE 7-38.2

EFFECTIVE: SEPTEMBER 1, 1998

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.5 Video (a.k.a. BellSouth SPA Video) Services (Cont'd)

##### 7.2.5.2 Commercial Quality Video Service (a.k.a. BellSouth SPA Commercial Quality Video)

###### (A) Basic Channel Description (Cont'd)

The rates and charges set forth for Commercial Quality Video (a.k.a. BellSouth SPA Commercial Quality Video) provide for the furnishing of service where suitable facilities are available. Where special construction of facilities is necessary, special construction charges may apply.

###### (B) Technical Specifications Packages

(D)

(D)

(D)

(D)

(D)

(D)

(D)

(D)

(D)

(D)

(D)

(D)

(D)

(D)

The compatibility requirements, technical specifications, and generic requirements for Commercial Quality Video (a.k.a. BellSouth SPA Commercial Quality Video) service terminated at the customer's designated locations are referenced in BellSouth Technical Reference 73611.

(T)

(T)

(T)

(T)(x)

(C)(x)

###### (C) Channel Interface

(D)

(D)

Compatible channel interfaces are set forth in BellSouth Technical Reference 73611.

(T)(x)

(C)(x)

(x) Issued under the Authority of Special Permission No. 98-159.

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EFFECTIVE: FEBRUARY 9, 2006

ACCESS SERVICE

7 - Special Access (BellSouth SPA) Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Video (a.k.a. BellSouth SPA Video) Services (Cont'd)

7.2.5.3 Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) Service

(A) Basic Description

An Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) service channel is a channel that connects customer-designated video source(s) and video distribution location(s) through a customer-configurable video switch located at a Telephone Company Central Office (CO). Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) service channels are single-direction and provided via fiber-optic facilities. This channel adheres to either a standard 525-line/60-field National Television Committee (NTSC) System-M video signal and includes up to four (4) 15 kHz audio signals or is a Serial Digital Interface (SDI) uncompressed digital video signal transported at a speed of 270Mbps. (C)

- (1) Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) service Local Channels (LC) (one way) provide connectivity of Single Channel or Multiple Channel Systems from each customer-designated end-location to its normal Serving Wire Center (SWC). Each Multiple Channel System also requires video channel activations. A customer may activate from one (1) to eight (8) video channels per Multiple Channel System. (C)
- (2) Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) service Interoffice Channels (IOC) (one-way) provide connectivity of Single Channel or Multiple Channel Systems from the customer-designated location's normal SWC to the central office video switch.
- (3) Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) service arrangements are available in two configurations that are available as independent, or in combination of, Single Channel Video Systems and/or Multiple Channel Video Systems. Each arrangement requires a minimum 36-month commitment period and a minimum of 8 video channels. Customers meeting the minimum 8 video channel/36 month commitment period requirement may request additional Single Channel Systems be associated with the same arrangement on a month-to-month basis. Both Single Channel Systems and Multiple Channel Systems will have an interface at the customer-designated end-location(s) with analog video and audio parameters as specified in TR-73593 or digital video signals specified in TR-73621. (C) Customer designated end-locations are video source locations (transmit) or video distribution locations (receive).

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ISSUED: FEBRUARY 10, 2003

TARIFF F.C.C. NO. 1  
4TH REVISED PAGE 7-38.4  
CANCELS 3RD REVISED PAGE 7-38.4

EFFECTIVE: FEBRUARY 25, 2003

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Video (a.k.a. BellSouth SPA Video) Services (Cont'd)

7.2.5.3 Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) Service (Cont'd)

(A) Basic Description (Cont'd)

(T)

- (4) This service offering also provides the customer with the capability to reconfigure the ports on a central office video switch. A port is a physical interface on a central office video switch. Each port can be connected to one video channel and supports both the video and associated audio in the same connection. The customer must provide the appropriate CPE to access the video switch in addition to subscribing to a dial-up or a dedicated control circuit, which must be purchased from the appropriate tariff. Customers subscribing to a dial-up control will be provided a telephone number, which shall be used to configure the port connection. (M)  
(M)  
(M)  
(M)  
(M)  
(M)  
(M)  
(M)  
(M)
- (5) The customer subscribing to dial-up access in conjunction with Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) service shall indemnify, defend, and save harmless the Telephone Company from and against any and all losses, claims, demands, causes of action and costs, including attorney's fees whether suffered, made, instituted or asserted by the customer or any other party or person arising from the use, whether authorized or unauthorized, in conjunction with the customer's Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) service. (M)  
(M)  
(M)  
(M)  
(M)  
(M)  
(M)  
(M)

Certain material previously appearing on this page now appears on 5th Revised Page 7-38.3, 5th Revised Page 7-38.5 and 7th Revised Page 7-103.13

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ISSUED: JANUARY 25, 2006

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6TH REVISED PAGE 7-38.5  
CANCELS 5TH REVISED PAGE 7-38.5

EFFECTIVE: FEBRUARY 9, 2006

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.5 Video (a.k.a. BellSouth SPA Video) Services (Cont'd)

##### 7.2.5.3 Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) Service (Cont'd)

#### (B) Single Channel and Multiple Channel Systems

Single Channel Systems and Multiple Channel Systems connect the video switch to the customer-designated source/distribution location(s) via Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) service LCs and associated IOCs.

- (1) The Single Channel Video System is available for customers who require a single video signal in one direction between video source/distribution locations and the central office video switch.
- (2) The Multiple Channel Video System is available for customers who require more than one video signal in the same direction and between the same video source/distribution locations and the central office video switch. A Multiple Channel System Interoffice Interface is also available for interoffice transport of multiple video signals, in the same direction. Hubbing of individual Single Channel Systems onto or off of the same Multiple Channel Interoffice System at a central office is permitted. The Multiple Channel Video System is available with a maximum of eight (8) video channels. All channels within a Multiple Channel System must transmit or receive signals in the same direction. (C)
- (3) Audio channels are provided with each analog video channel. At a minimum, two 15 kHz audio channels will be provided per video channel. However, the customer may order two additional 15 kHz audio channels per video channel. When additional 15 kHz audio channels are requested, in addition to the two provided with each video channel, the customer may specify either a month-to-month term or a 36 month commitment. Additionally, when requested by the customer, 20kHz audio channels may be provided in lieu of the 15 kHz audio channels. When the customer specifies 20 kHz audio channels, four audio channels will be provided for each video channel and each audio channel will have a 36-month commitment period. (C)

EFFECTIVE: FEBRUARY 25, 2003

ACCESS SERVICE

- 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (N)
- 7.2 Service Descriptions (Cont'd) (N)
- 7.2.5 Video (a.k.a. BellSouth SPA Video) Services (Cont'd) (N)
- 7.2.5.3 Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) Service (Cont'd) (N)
- (C) Two-Way, Interactive Video Service (N)
- Two-way, interactive video service may be obtained by combining two one-way (opposite directions) Single Channel Video Systems or by combining two one-way (opposite directions) Multiple Channel Video Systems. (M)
- (D) Technical Specifications Packages (M)
- The compatibility requirements, technical specifications, and generic requirements for Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) service terminated at the customer's designated end locations are referenced in BellSouth Technical Reference 73607. (M)
- (E) Channel Interfaces (M)
- Compatible channel interfaces are set forth in BellSouth Technical Reference 73607. (M)

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ISSUED: JUNE 25, 1998

TARIFF F.C.C. NO. 1  
4TH REVISED PAGE 7-38.6  
CANCELS 3RD REVISED PAGE 7-38.6  
EFFECTIVE: JULY 10, 1998

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.5 Video (a.k.a. BellSouth SPA Video) Services (Cont'd)

##### 7.2.5.4 70 MHz Transport (a.k.a. BellSouth SPA 70 MHz Transport) Service

###### (A) Basic Channel Description (Cont'd)

70 MHz Transport (a.k.a. BellSouth SPA 70 MHz Transport) service provides for a MHz, point-to-point, one-way, analog, intermediate frequency transport channel over dedicated fiber optic facilities between two end locations. This intermediate frequency is an interface used to interconnect satellite radio transmission equipment. The 70 MHz frequency may be modulated to carry video and/or other data services as the customer's needs dictate.

70 MHz Transport (a.k.a. BellSouth SPA 70 MHz Transport) service is only available as a single channel service and is comprised of two basic components: Local Channels and associated Interoffice Channels. The customer interface for this service is a 75 ohm, -7.0 dbm signal with a bandwidth of 100 MHz centered on 70 MHz Carrier.

Two-way, interactive service may be obtained by ordering two of the one-way services operating in opposite directions.

Where special construction of facilities is necessary, special construction charges will apply as set forth in the BellSouth Telecommunications Inc.'s Special Construction Tariff, F.C.C. No. 2.

###### (B) Technical Specifications Package

(N)

The compatibility requirements, technical specifications, and generic requirements for 70 MHz Transport (a.k.a. BellSouth SPA 70 MHz Transport) service terminated at the customer's designated end locations are referenced in BellSouth Technical Reference 73609.

(N)

(N)

(N)

(N)(x)

###### (C) Channel Interfaces

(N)

Compatible channel interfaces are set forth in BellSouth Technical Reference 73609.

(N)(x)

(N)(x)

(x) Issued under the Authority of Special Permission No. 98-119

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ISSUED: NOVEMBER 1, 1996

TARIFF F.C.C. NO. 1  
1ST REVISED PAGE 7-38.7  
CANCELS ORIGINAL PAGE 7-38.7

EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

### 7.2 Service Descriptions (Cont'd)

7.2.5 Video (a.k.a. BellSouth SPA Video) Services (Cont'd) (T)

7.2.5.5 DS3 Digital Video Service (a.k.a. BellSouth SPA DS3 Digital Video) (T)

#### (A) Basic Channel Description

DS3 Digital Video Service (a.k.a. BellSouth SPA DS3 Digital Video) provides one-way transmission capability via fiber optic facilities for compressed, 525 line/60 field, System M, National Television Systems Committee (NTSC), video signal transmitting at 45 Mbps (DS3). It will be classified as TV1D and TVD with near broadcast quality performance. This service includes four 15 KHz associated audio signals. This service can not be used with analog video services. (T)

DS3 Digital Video Service (a.k.a. BellSouth SPA DS3 Digital Video) is comprised of three basic components: Local Channels, Interoffice Channels, and Central Office Terminations. Local channels are provided as TV1D Transmit, TV1D Receive, TVD Transmit, or TVD Receive. Central Office Terminations are provided as either transmit or receive. A two point circuit requires one Local Channel-Transmit and one Local Channel Receive. The transmission direction for Central Office Termination will be the same as the associated Local Channel. For example, customer location A subscribes to a local Channel-TV1D Transmit, a Central Office Termination-Transmit, an Interoffice Channel transmitting to customer location B, a Central Office Termination-Receive at serving wire center of customer location B, and a Local Channel-TVD Receive, at customer location B. (T)

A DS3 Digital Video (a.k.a. BellSouth SPA DS3 Digital Video) local Channel, TV1D, is furnished between a serving wire center and the customer's premises via fiber optic facilities with one-way transmission at 45 Mbps. Fiber optic terminal equipment and video enabling equipment is provided as part of the network service. DS3 Digital Video Service (a.k.a. BellSouth SPA DS3 Digital Video) requires the customer to purchase at least one Local Channel, TV1D (transmit or receive). (T)

A DS3 Digital Video (a.k.a. BellSouth SPA DS3 Digital Video) Local Channel, TVD, is furnished between a serving wire center and the customer's premises via fiber optic facilities with one-way transmission at 45 Mbps. Fiber optic terminal equipment is provided in the telephone equipment room at the customer's premises as part of the DS3 Digital Video Service (a.k.a. BellSouth SPA DS3 Digital Video). A Local Channel, TVD, may be subscribed to in conjunction with a Local Channel, TV1D. Local Channels, TVD, are also available as either transmit or receive local channels. (T)

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TARIFF F.C.C. NO. 1  
ORIGINAL PAGE 7-38.7.1

EFFECTIVE: DECEMBER 16, 1996

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

7.2 Service Descriptions (Cont'd)

7.2.5 DS3 Video Service (a.k.a. BellSouth SPA DS3 Digital Video) Services (Cont'd) (T)

7.2.5.5 DS3 Digital Video Service (a.k.a. BellSouth DS3 Digital Video) (T)

(A) Basic Channel Description

A DS3 Digital Video Service (a.k.a. BellSouth DS3 Digital Video) Interoffice Channel is furnished between Telephone Company Central Offices via fiber optic facilities with one-way transmission at 45 Mbps. Interoffice Channels provide one way transmission between Local Channels, TV1D and/or Local Channels, TVD. (T)

Central Office Terminations provide for an optical to electrical conversion in a company central office and enables signal transport across the interoffice network. Central Office Terminations are not required when a DS3 Digital Video Service (a.k.a. BellSouth DS3 Digital Video) is provided to customers within the same serving wire center. (T)  
(T)

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ISSUED: NOVEMBER 14, 1996

TARIFF F.C.C. NO. 1  
2ND REVISED PAGE 7-38.8  
CANCELS 1ST REVISED PAGE 7-38.8  
EFFECTIVE: NOVEMBER 14, 1996

## ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (S)(Y)

### 7.2 Service Descriptions (Cont'd)

7.2.5 Video (a.k.a. BellSouth SPA Video) Services (Cont'd) (S)(Y)

7.2.5.5 DS3 Digital Video Service (a.k.a. DS3 Digital Video) (S)(Y)

#### (A) Basic Channel Description (Cont'd)

(D)(x)  
(D)(x)  
(D)(x)  
(D)(x)

Two-way, fully interactive video service may be provided by combining  
two one-way (opposite directions) services. (S)  
(S)

#### (B) Technical Specifications Packages (S)

The compatibility requirements, technical specifications, and generic  
requirements for DS3 Digital Video Service (a.k.a. BellSouth SPA DS3  
Digital Video) terminated at the customer's designated locations are  
referenced in BellSouth Technical Reference 73583. (S)  
(S)(y)  
(S)(y)  
(S)

#### (C) Channel Interfaces (S)

Compatible channel interfaces are set forth in BellSouth Technical  
Reference 73583. (S)  
(S)  
(S)

(S) Originally filed under Transmittal No. 371 scheduled to become  
effective November 14, 1996.

(S) (y) Originally filed under Transmittal No. 377 scheduled to become  
effective December 16, 1996.

(x) Issued under the authority of Special Permission No. 96-766.

\*\*\*\*\*

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TARIFF F.C.C. NO. 1  
5TH REVISED PAGE 7-38.9  
CANCELS 4TH REVISED PAGE 7-38.9

EFFECTIVE: FEBRUARY 9, 2006

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.5 Video (a.k.a. BellSouth SPA Video) Services (Cont'd)

###### 7.2.5.6 BellSouth SPA Modular Video Transport Service (Cont'd)

###### (A) Basic Channel Description

BellSouth SPA Modular Video Transport service is a fiber optic transport video service that interconnects two or more customer designated end point locations to provide one way video service with associated audio. Multiple endpoint locations may be interconnected to form one way video services, e.g. rings or multipoint hubs. Two-way service may be obtained by ordering two one-way (opposite directions) services. This service is available in two configurations, Multiple Channel Video Systems or Single Channel Video systems. Different rates and charges apply for the two configurations. Multiple Channel systems and Single Channel Systems are comprised of Local Channels, Interoffice Channels, and Optional Features.

The technology that supports Multiple Channel Systems has a 16 channel capacity associated with each transport system. The specific number of channels supported are based on the design and video interface selected by the customer. The technology that supports Single Channel Systems has a capacity of one channel.

This service may transport uncompressed National Television Systems Committee (NTSC) video signals, Component 270 Mbps video signals (Multiple Channel Systems only), Advanced Television Stream (ATV), and/or Intermediate Frequency (IF) video signals between customer premises.

The NTSC video interface supports transmission capability for a standard, System M - National Television Systems Committee, composite, 525 line/60 field, uncompressed, video signal and has four associated 20 kHz audio signals. NTSC video interfaces are provided as either 10 bit, NTSC10, or 8 bit, NTSC8, signals.

Component 270 Video is a 270 Mbps serial digital interface that contains separate luminous and color signals plus associated audio. It is based on international standards and provides a better quality of service than NTSC composite video.

(C)

Advanced Television Stream (ATV) video is a standard, dual port interface that can support up to 90 Mbps of MPEG2 video.

Intermediate Frequency (IF) video provides for transmitting an analog video signal at an Intermediate Frequency between 40 and 46 mHz that can be modulated for a full 6 mHz of analog bandwidth. IF video can also be utilized to transport many Quadrature Amplitude Modulated (QAM) signals

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TARIFF F.C.C. NO. 1  
ORIGINAL PAGE 7-38.9.1

EFFECTIVE: MARCH 27, 1999

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Video (a.k.a. BellSouth SPA Video) Services (Cont'd)

7.2.5.6 BellSouth SPA Modular Video Transport Service (Cont'd)

(A) Basic Channel Description (Cont'd)

BellSouth SPA Modular Video Transport service is provided at rates and charges specified for local channels, interoffice channels and optional features. This service is available under Month to Month rate options or via Channel Services Payment Plans.

(M)  
(M)  
(M)  
(M)

Local channels (one way) are available as 1) Multiple Channel Systems, 2) Single Channel Systems, 3) Single Channel Trbutaries (available in conjunction with Multiple Channel Systems), and 4) Video Interfaces. Multiple Channel Systems are provided as 1) Transmit, 2) Receive, or 3) Drop/Add and require video interfaces for operability. Single Channel Systems are provided as 1) Transmit or 2) Receive and require video interfaces for operability.

(M)  
(C)  
(T)  
(M)  
(N)  
(N)  
(N)

Certain material now appearing on this page previously appeared on 3rd Revised Page 7-38.9.

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EFFECTIVE: MARCH 27, 1999

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Video (a.k.a. BellSouth SPA Video) Services (Cont'd)

7.2.5.6 BellSouth SPA Modular Video Transport) Service (Cont'd)

(A) Basic Channel Description (Cont'd)

Single Channel Tributaries are only provided in conjunction with a Multiple Channel Sytem. They are provided as Drop-Transmit, Drop-Receive, Add-Transmit or Add-Receive and requires either a NTSC 10 or ATV video interface for operability. Single Channel Tributaries allow dissemination of a single video channel onto or off of a BellSouth SPA Modular Video Transport service Multiple Channel System. This single channel system can support only one channel of the 16 channel capacity, e.g. one NTSC-10 Video Interface or one ATV Video Interface.

- (1) A Single Channel Tributary, Drop provides the ability to extend a single video channel of a Multiple Channel System to a remote customer premises. The Drop-Transmit, sends a digital signal from the Multiple Channel System to a company central office. This signal is then forwarded on to a Drop-Receive at the customer's remote premises.
- (2) A Single Channel Tributary, Add provides the ability to add a single video channel from a remote customer premise onto a Multiple Channel System. The Add-Transmit, sends a digital signal from the Customer's remote premises to it's serving wire center. This signal is then forwarded on to an Add-Receive and into the Multiple Channel System.

Local Channel Video Interfaces are provided at the customer endpoint locations as NTSC10, NTSC8, Component 270, ATV, and IF. Customers may designate the video interface of their choice in any combination as long as it does not exceed the 16 channel (time slot) maximum. Interfaces are described as follows:

- (1) NTSC10 Transmit - This video interface converts a standard NTSC video signal to an uncompressed digital format (10 bit) for combining and transmission via BellSouth SPA Modular Video Transport service. Each NTSC10 transmit video interface requires one time slot per plug-in.
- (2) NTSC10 Receive - This video interface converts an uncompressed digital video format (10 bit) from BellSouth SPA Modular Video Transport service to an analog, composite, NTSC video signal for interfacing to the customer provided equipment. Each NTSC10 receive video interface requires one time slot per plug-in.
- (3) NTSC8 Transmit - This video interface converts a standard NTSC video signal to an uncompressed digital format (8 bit) for combining and transmission via BellSouth SPA Modular Video Transport service. Each NTSC8 transmit video interface requires one time slot per plug-in.
- (4) NTSC8 Receive - This video interface converts an uncompressed digital video format (8 bit) from BellSouth SPA Modular Video Transport service to an analog, composite, NTSC video signal for interfacing to the customer provided equipment. Each NTSC8 receive video interface requires one time slot per plug-in.

EFFECTIVE: FEBRUARY 9, 2006

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Video (a.k.a. BellSouth SPA Video) Services (Cont'd)

7.2.5.6 BellSouth SPA Modular Video Transport Service (Cont'd)

(A) Basic Channel Description (Cont'd)

- (5) Component 270 Transmit - This video interface formats the customers 270 Mbps, component digital signal for transmission via BellSouth SPA Modular Video Transport service. In a multi-channel configuration, each Component 270 transmit video interface requires two time slots per plug in. (C)
- (6) Component 270 Receive - This video interface receives a transmission from BellSouth SPA Modular Video Transport service and reformats it to a 270 Mbps, component, digital signal. In a multi-channel configuration, each Component 270 receive video interface requires two time slots per plug in. (C)
- (7) ATV Transmit - This video interface formats the customers dual port, 90 Mbps, ATV digital signal for transmission via BellSouth SPA Modular Video Transport service. Each ATV transmit video interface requires one time slot per plug in.
- (8) ATV Receive - This video interface receives a transmission from BellSouth SPA Modular Video Transport service and reformats it to a dual port, 90 Mbps, ATV signal. Each ATV receive video interface requires one time slot per plug-in.
- (9) IF Transmit - This video interface converts an analog video signal between 40 and 46 mHz to an uncompressed digital signal for transmission via BellSouth SPA Modular Video Transport service. Each IF transmit interface requires one time slot per plug-in.
- (10) IF Receive - This video interface receives a transmission from BellSouth SPA Modular Video Transport service and converts the uncompressed digital signal to an analog IF video signal between 40 and 46 mHz. Each IF receive interface requires one time slot per plug-in.

BellSouth SPA Modular Video Transport service requires at least one Local Channel, Multiple Channel System-Transmit and one Local Channel, Multiple Channel System-Receive or one Local Channel, Single Channel System-Transmit and one Local Channel, Single Channel System-Receive. Single Channel Tributaries may only be ordered in conjunction with Local Channel, Multiple Channel Systems.

Interoffice channels include mileage and regenerators.

Optional Features include Network Status Monitoring, Audio/Video Jack Fields, and Fiber Optic Splitters. Network Status Monitoring provides the ability for the customer to remotely monitor and electronically rearrange transport features through the use of a customer's personal computer. This feature requires a minimum of a two way service or a one way ring.

(M)

Certain material previously appearing on this page now appears on 1ST Revised Page 7-38.12

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TARIFF F.C.C. NO. 1  
1ST REVISED PAGE 7-38.12  
CANCELS ORIGINAL PAGE 7-38.12

EFFECTIVE: FEBRUARY 9, 2006

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.5 Video (a.k.a. BellSouth SPA Video) Services (Cont'd)

###### 7.2.5.6 BellSouth SPA Modular Video Transport Service (Cont'd)

Audio/Video Jack Fields are easy access points that allow a customer to locally monitor video and audio signals at the customer endpoint location. Fiber Optic Splitters provide the capability of broadcasting from one transmit system to one to four receive systems in a point to multipoint configuration. This feature is not available for ring configurations. Two or more fiber optic splitters may be utilized when more than four receive end points are required.

Two-way transport and/or counter rotating rings for electrical protection, may be obtained by combining two transport services in opposite directions.

#### (B) Technical Specifications Package

The compatibility requirements, technical specifications, and generic requirements for BellSouth SPA Modular Video Transport Service terminated at the customer's designated locations are referenced in BellSouth Technical Reference 73606.

#### (C) Channel Interfaces

Compatible channel interfaces are set forth in BellSouth Technical Reference 73606.

Certain Material now appearing on this page previously appeared on 4TH Revised Page 7-38.11

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 ISSUED: NOVEMBER 1, 1996

TARIFF F.C.C. NO. 1  
 1ST REVISED PAGE 7-39  
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EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

### 7.2 Service Descriptions (Cont'd)

7.2.6 Wideband Analog (a.k.a. BellSouth SPA Wideband Analog) Service (T)

#### (A) Basic Channel Description

A Wideband Analog (a.k.a. BellSouth SPA Wideband Analog) channel is a channel with a bandwidth measured in kHz for the transmission of a wideband signal. The actual bandwidth is a function of the channel interface selected by the customer. Wideband Analog (a.k.a. BellSouth SPA Wideband Analog) channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub. (T)

#### (B) Technical Specifications Packages

Parameter	Package WA-				
	<u>1</u>	<u>2</u>	<u>2A</u>	<u>3</u>	<u>4</u>
Amplitude Stability	X	X			
Background Noise	X	X	X	X	X
Frequency Shift	X	X	X		
Gain/Frequency					
Characteristics of:					
- Group Connections	X			X	X
- Supergroup					
Connections		X			
- Mastergroup					
Connections			X		
Impulse Noise	X	X	X		
Net Loss Variations	X	X	X	X	X
Pilot Slot	X	X	X		
Spurious Single					
Frequency Tone	X	X	X		

The technical specifications are delineated in Technical Reference TR-NPL-000339.

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ISSUED: NOVEMBER 1, 1996

TARIFF F.C.C. NO. 1  
2ND REVISED PAGE 7-40  
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EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

### 7.2 Service Descriptions (Cont'd)

7.2.6 Wideband Analog (a.k.a. BellSouth SPA Wideband Analog) Service (Cont'd) (T)

#### (C) Channel Interfaces

The following channel interfaces (CIs) define the bandwidths that are available for a Wideband Analog (a.k.a. BellSouth SPA Wideband Analog) channel: (T)

CI	Bandwidth
AH-B	60 kHz to 108 kHz (Group)
AH-C	312 kHz to 552 kHz (Supergroup)
AH-D	564 kHz to 3084 kHz (Mastergroup)
WD-1	300 Hz to 18 kHz
WD-2	29 kHz to 44 kHz
WD-3	29 kHz to 44 kHz

Compatible channel interfaces are set forth in Technical Reference TR-NPL-000339.

#### (D) Optional Features and Functions

##### (1) Channelization

###### (a) Mastergroup to Supergroup

An arrangement that channelizes a Mastergroup channel to ten Supergroup channels.

###### (b) Supergroup to Group

An arrangement that channelizes a Supergroup channel to five Group channels.

###### (c) Group to Voice

An arrangement that channelizes a Group channel to twelve Voice Grade (a.k.a. BellSouth SPA DS0 VG) channels. (T)

###### (d) Group to DS1

An arrangement that channelizes two Group channels to a DS1 channel.



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2ND REVISED PAGE 7-41  
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EFFECTIVE: DECEMBER 16, 1996

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

7.2 Service Descriptions (Cont'd)

7.2.6 Wideband Analog (a.k.a. BellSouth SPA Wideband Analog) Service (Cont'd) (T)

(D) Optional Features and Functions (Cont'd)

(1) Channelization (Cont'd)

(d) Group to DS1 (Cont'd)

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package WA-				
	<u>1</u>	<u>2</u>	<u>2A</u>	<u>3</u>	<u>4</u>
Central Office Channelization:					
Mastergroup to Supergroup			X		
Supergroup to Group		X			
Group to Voice	X				
Group to DS1 <sup>1</sup>					

7.2.7 Wideband Data (a.k.a. BellSouth SPA Wideband Data) Service (T)

(A) Basic Channel Description

A Wideband Data (a.k.a. BellSouth SPA Wideband Data) channel is an analog channel for the transmission of synchronous serial data at the rate of 19.2, 50.0, or 230.4 kbps or of asynchronous serial data at rates of up to 19.2, 50.0, or 230.4 kbps. Optional arrangements are available for transmission of synchronous serial data at 18.75 or 40.8 kbps. The actual bit rate is a function of the channel interface selected by the customer. This service requires a 303 Data Station(s). The 303 Data Station provides coupling between the customer's business machine and the wideband data transmission medium. A voiceband coordinating channel is also provided. Wideband Data (a.k.a. BellSouth SPA Wideband Data) channels are provided between customer designated premises. (T)  
(T)

Note 1: Requires two channels with technical specifications package WA1 to form a WA1T service.

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ISSUED: NOVEMBER 1, 1996

TARIFF F.C.C. NO. 1  
1ST REVISED PAGE 7-42  
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EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

### 7.2 Service Descriptions (Cont'd)

7.2.7 Wideband Data (a.k.a. BellSouth SPA Wideband Data) Service (Cont'd) (T)

#### (B) Technical Specifications Packages

<u>Parameter</u>	<u>Package WD-</u>		
	<u>1</u>	<u>2</u>	<u>3</u>
Error Free Seconds	X	X	X

While in service, the monthly average of error-free seconds will be equal to or greater than 98.75%.

The technical specifications are delineated in Technical Reference TR-NPL-000340.

#### (C) Channel Interfaces

The following channel interfaces (CIs) define the bit rates that are available for a Wideband Data (a.k.a. BellSouth SPA Wideband Data) channel: (T)

<u>CI</u>	<u>Bit Rate</u>
WB-18S	18.75 kbps, synchronous
WB-19A	up to 19.2 kbps, asynchronous
WB-19S	19.2 kbps, synchronous
WB-23A	up to 230.4 kbps, asynchronous
WB-23S	230.4 kbps, synchronous
WB-40S	40.8 kbps, synchronous
WB-50A	up to 50.0 kbps, asynchronous
WB-50S	50.0 kbps, synchronous

Compatible channel interfaces are set forth in Technical Reference TR-NPL-000340.

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## ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

### 7.2 Service Descriptions (Cont'd)

7.2.7 Wideband Data (a.k.a. BellSouth SPA Wideband Data) Service (Cont'd) (T)

#### (D) Optional Features and Functions

##### (1) Key Activated Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access channel(s). The arrangement can be utilized to transfer a leg of a Special Access (a.k.a. BellSouth SPA) service to either a spare or working channel that terminates in either the same or a different customer premises. A key activated control service is required to operate the transfer arrangement. A spare line, if required, is not included as a part of the option. (T)

The following table shows the technical specifications packages with which the optional features and functions are available.

	<u>Available with Technical Specifications Package WD-</u>		
	<u>1</u>	<u>2</u>	<u>3</u>
Key Activated Transfer Arrangement	X	X	X

7.2.8 Digital Data (a.k.a. BellSouth SPA DS0 Digital Data) Access Service (T)

#### (A) Basic Channel Description

A Digital Data (a.k.a. BellSouth SPA DS0 Digital Data) Access channel is a channel for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6, 19.2, 56.0 or 64.0 kbps. Transmission speeds of 2.4, 4.8, 9.6 and 19.2 kbps are referred to as Low-speed Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data) service (DDAS) options, and transmission speeds of 56.0 and 64.0 kbps are referred to as High-speed DDAS (a.k.a. BellSouth SPA DS0 Digital Data) options. The actual bit rate is a function of the channel interface selected by the (T)

Note 1: When 64.0 Kbps service is multiplexed on a DS1 High Capacity (a.k.a. BellSouth SPA DS1) service, the DS1 must be optioned with Clear Channel Capability. (T)

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EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

### 7.2 Service Descriptions (Cont'd)

7.2.8 Digital Data Access (a.k.a. BellSouth SPA DSO Digital Data) Service (Cont'd) (T)

#### (A) Basic Channel Description (Cont'd)

customer. The channel provides a synchronous service with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. Digital Data Access (a.k.a. BellSouth SPA DSO Digital Data) service is used to connect customer designated premises or to connect customer designated premises to a Telephone Company DDAS Hub (where connection to other services may be allowed). DDAS (a.k.a. BellSouth SPA DSO Digital Data) channels are only available from Telephone Company serving wire centers designated as DDAS (a.k.a. BellSouth SPA DSO Digital Data) Hubs. A DDAS (a.k.a. BellSouth SPA DSO Digital Data) Hub is a Telephone Company designated wire center where specialized timing, testing, maintenance and monitoring is provided for DDAS (a.k.a. BellSouth SPA DSO Digital Data) circuits; DDAS (a.k.a. BellSouth SPA DSO Digital Data) bridging is provided and available only at a DDAS (a.k.a. BellSouth SPA DSO Digital Data) Hub office. Wire centers designated as DDAS (a.k.a. BellSouth SPA DSO Digital Data) Hubs are identified in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4. In accordance with Section 7.4.6, interoffice mileage required to connect each customer designated premises to the DDAS (a.k.a. BellSouth SPA DSO Digital Data) Hub office is computed and rates applied separately for each section of the Interoffice Channel, i.e., customer designated premises serving wire center to DDAS (a.k.a. BellSouth SPA DSO Digital Data) Hub, DDAS (a.k.a. BellSouth SPA DSO Digital Data) Hub to DDAS (a.k.a. BellSouth SPA DSO Digital Data) Hub and/or DDAS (a.k.a. BellSouth SPA DSO Digital Data) Hub to customer designated premises serving wire center. (T)

Secondary Channel Capability (SCC) is a derived companion digital transmission path that is independent of the primary data path and operates at a substantially lower bit rate. This derived channel allows the customer to perform network management functions during the normal operation of the network. This diagnostics channel utilizes a portion of a customer's previously unavailable data bit stream allowing for the ability to remotely control and test the network and peripheral devices without taking the network out of service. Special customer equipment is necessary to utilize the benefits of the SCC. Customers not wishing to utilize this capability will not be impacted. Due to transmission equipment restrictions, SCC cannot be provided on 56 Kbps service that require the installation of loop repeater equipment for provision of service. Also, SCC cannot be provided on 64.0 kbps service since all of the available bit stream will be used by the customer.

The customer will provide the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the Digital Data Access (a.k.a. BellSouth SPA DSO Digital Data) channel at the customer premises. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1. (T)

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TARIFF F.C.C. NO. 1  
 3RD REVISED PAGE 7-45  
 CANCELS 2ND REVISED PAGE 7-45  
 EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

### 7.2 Service Descriptions (Cont'd)

7.2.8 Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data) Service (T)  
 (Cont'd)

#### (B) Technical Specifications Packages

Parameter	Package DA-					
	1	2	3	4	5	6
Error-Free Seconds	X	X	X	X	X	X

The Telephone Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875% error-free seconds while the channel is in service, if it is measured through a CSU equivalent which is designed, manufactured and maintained to conform with the interconnection specifications contained in Technical Reference MDP-326-726.

Interface options and service objectives are as specified in Technical Reference TR-NWT-000341.

#### (C) Channel Interfaces

The following channel interfaces (CIs) define the bit rates that are available for a Digital Data Access channel (a.k.a. BellSouth SPA DS0 Digital Data):

(T)  
 (T)

CI	Bit Rate
DU-24 (S)*	2.4 kbps
DU-48 (S)*	4.8 kbps
DU-96 (S)*	9.6 kbps
DU-19 (S)*	19.2 kbps
DU-56 (S)*	56.0 kbps
DU-64	64.0 kbps

Compatibl

#### (D) Optional Features and Functions

##### (1) Central Office Bridging Capability

Bridging is not available on a 64.0 kbps circuit.

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EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

### 7.2 Service Descriptions (Cont'd)

7.2.8 Digital Data Access (a.k.a. BellSouth SPA DSO Digital Data) Service (T)  
(Cont'd)

#### (D) Optional Features and Functions (Cont'd)

##### (2) Transfer Arrangement

An arrangement that affords the customer an additional measure of protection and/or flexibility in the use of their access channel(s) on a 1xN basis. The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer designated premises. This arrangement is only available at a Telephone Company designated Hub. A key activated or dial up control service is required to operate the transfer arrangement. A spare line, if required, is not included as a part of the option.

##### (3) Public Packet Switching Network (PPSN) Interface Arrangement, Transport and Features (Packet Switching Options - CUG, Hunt Group, Call Redirection, Direct Call, and Fast Select)

- (a) The Interface Arrangement, consisting of an access port, central office data set, and various optional features, provides the interface requirements necessary for a Digital Data (a.k.a. BellSouth SPA DSO Digital Data) service to interface with a Public Packet Switching Network packet switch located in a Telephone Company premises. Telephone Company Public Packet Switched Network (PPSN) switches are considered to be customer premises for purposes of the application of rates for this tariff. (T)
- (b) The interfaces, as defined by the CCITT, for X.25 and X.75 protocols are available in all of the Telephone Company operating areas. Charges for the X.25 and X.75 Interface Arrangements are contained in Section 7.5.8(E). (T)

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EFFECTIVE: DECEMBER 16, 1996

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

7.2 Service Descriptions (Cont'd)

7.2.8 Digital Data Access (a.k.a. BellSouth SPA DSO Digital Data) Service (T)  
(Cont'd)

(D) Optional Features and Functions (Cont'd)

(3) Public Packet Switching Network (PPSN) Interface Arrangement, Transport and Features (Packet Switching Options - CUG, Hunt Group, Call Redirection, Direct Call and Fast Select) (Cont'd)

(d) Public Packet Switching Network transport charges apply per associated Public Packet Switching Network Interface Arrangement. Public Packet Switching Network transport charges are contained in Section 7.5.8(G).

(e) Public Packet Switching Network features are offered at no additional charge with initial subscription to the associated Public Packet Switching Network Interface Arrangement. The Feature Change Charge applies to any type of Public Packet Switching Network Interface Arrangement when a network feature or group of features is added or changed subsequent to the initial service establishment of the affected Interface Arrangement. The Feature Change Charge is contained in Section 7.5.8(H).

(5) Data Over Voice Channel

The Data Over Voice (DOV) Channel is a digital data channel derived from a two-wire local exchange facility that transmits voice and data signals simultaneously. The DOV Channel option may be used in lieu of a Digital Data Access (a.k.a. BellSouth SPA DSO Digital Data) service Hub office. A DOV Channel is provided at the speed of Data Access (a.k.a. BellSouth SPA DSO Digital Data) service Local Channel and must be routed to a Digital Data 9.6 Kbps and is furnished between customer designated premises or between a customer designated premises and a Company Digital Data (a.k.a. BellSouth SPA DSO Digital Data) Hub. A DOV Channel is furnished over a customer's existing two-wire local exchange facility. (T)  
(T)  
(T)  
(T)

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TARIFF F.C.C. NO. 1  
 8TH REVISED PAGE 7-48  
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 EFFECTIVE: AUGUST 13, 2005

# ACCESS SERVICE

## 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

### 7.2 Service Descriptions (Cont'd)

#### 7.2.8 Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data) Service (Cont'd)

##### (D) Optional Features and Functions (Cont'd)

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package DA-						
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	
Central Office Bridging Capability	X	X	X	X	X		
PPSN Interface Arrangement			X	X			
Transfer Arrangement	X	X	X	X			
BellSouth Customer Network Management Service	X	X	X	X	X	X	(C)
Data Over Voice Channel			X				(C)

The technical specifications are delineated in Technical Reference TR-73513 for X.25 and TR-73515, Issue B.

The following channel interface (CI) defines the bit rate that is available for Data Over Voice Channel.

<u>CI</u>	<u>Bit Rate</u>
2DV5.BC	9.6 Kbps, Digital Data Over Voice

Compatible channel interface specifications for the Data Over Voice



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TARIFF F.C.C. NO. 1  
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EFFECTIVE: MARCH 18, 2004

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity (a.k.a. BellSouth SPA High Capacity) Service

(A) Basic Channel Description

A High Capacity (a.k.a. BellSouth SPA High Capacity) channel is a channel for the transmission of nominal 64.0 kbps<sup>1</sup> or 1.544, 3.152, 6.312, or 44.736, Mbps isochronous serial data. The actual bit rate is a function of the channel interface selected by the customer. These channels are also provided at synchronous STS-1, OC-3, OC-12, OC-48, or OC-192 data rates. High Capacity (a.k.a. BellSouth SPA High Capacity) channels are provided between customer-designated premises or between a customer-designated premises and a Telephone Company Hub.

Except for DS1 Diverse service, a DS1 (1.544 Mbps) High Capacity (a.k.a. BellSouth SPA DS1) channel may also be provided over a fiber transmission path between a customer-designated premises and an alternate wire center. DS1 High Capacity (a.k.a. BellSouth SPA DS1) channels may not be provided over DS1 Diverse service. The customer must have at least one other High Capacity (a.k.a. BellSouth SPA High Capacity) service from the same customer-designated premises to its normal serving wire center. This DS1 Alternate Serving Wire Center (ASWC) transmission path avoids the wire center from which the customer would normally obtain dial tone. The ASWC local channel is provisioned between contiguous wire centers with adjacent fiber feeder routes. This service utilizes fiber facilities from the ASWC to the designated customer premises. Interoffice channel facilities, if required, will avoid the normal serving wire center. The Telephone Company will designate the serving wire center to be used as the alternate.

(C)  
(C)

The DS1 ASWC arrangement is immediately available for all existing arrangements and, where facilities exist, for customers whose normal serving wire centers are those listed below:

ALPRGAMA	ATLNGABU	ATLNGACS	TUKRGAMA
ATLNGAEP	ATLNGAPP	ATLNGASS	
ATLNGATH	DNWDGAMA	RSWLGAMA	
SMYRGAMA	SMYRGAPF	CHMBGAMA	

Note 1: Available only as a channelized element of a 1.544 Mbps facility between two Telephone Company Digital Data (a.k.a. BellSouth SPA DSO Digital Data) Access Hubs or as a cross connect of two 2.4, 4.8, 9.6, 19.2, 56.0 or 64.0 Kbps channels of two 1.544 Mbps facilities at a Digital Data (a.k.a. BellSouth SPA DSO Digital Data) Access Hub. The customer must provide system and channel assignment data.

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TARIFF F.C.C. NO. 1  
3RD REVISED PAGE 7-49.0.1  
CANCELS 2ND REVISED PAGE 7-49.0.1

EFFECTIVE: AUGUST 13, 2005

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.9 High Capacity Service (Cont'd)

###### (A) Basic Channel Description (Cont'd)

A BellSouth DS1 Diverse service local and interoffice channel provides for a local and interoffice channel facility, as defined in 7.1.2(A) and (B), utilizing a structurally diverse, fiber-based, architecture designed to limit single points of failure. DS1 Diverse service is available to customer locations where existing Local and Interoffice Channel facilities are fiber-based and utilize structurally diverse routes. Connectivity is available from a BellSouth DS1 Diverse Local Channel to another BellSouth DS1 Diverse service Local or Interoffice Channel, a DS1 (a.k.a. BellSouth SPA DS1) service Basic Channelization System, Centrex Type service, BellSouth Customer Network Management Service, LightGate (a.k.a. BellSouth SPA Point to Point Network) service, BellSouth SPA Managed Shared Network service, Expanded Interconnection service, SMARTGate (a.k.a. BellSouth Managed Shared Ring Network) service, Self-Healing Multi-nodal Alternate Route Topology (SMARTRing) (a.k.a. BellSouth SPA Dedicated Ring) service, Exchange Access Connectionless Data (a.k.a. BellSouth Exchange Access Connectionless Data) Service, Exchange Access Frame Relay (a.k.a. BellSouth Exchange Access Frame Relay) service (XAFRS) or BellSouth Exchange Access Asynchronous Transfer Mode service (XAATMS). BellSouth DS1 Diverse Interoffice Channels are not available without interconnection to a BellSouth DS1 Diverse service Local Channel. BellSouth DS1 Diverse service Local and Interoffice Channels may not be connected to a DS1 (a.k.a. BellSouth SPA DS1) service Local or Interoffice Channel, and are not eligible for Alternate Serving Wire Center (ASWC) routing. (C)

The DS1 ASWC arrangement will be provided elsewhere within 12 months of receiving a customer request. Where facilities do not exist, special construction charges for construction of a route or type of facility other than normal may apply as set forth in the Telephone Company's special construction tariff. (C)

The charges for DS1 ASWC as specified in 7.5.9(A) following, apply on a per DS1 local channel basis and are in lieu of the per DS1 local channel charges which apply for DS1 local channels which extend from the customer-designated premises to the normal serving wire center. Interoffice channel mileage for the alternately routed service is based on mileage measured from or to the alternate serving wire center.

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TARIFF F.C.C. NO. 1  
5TH REVISED PAGE 7-49.1  
CANCELS 4TH REVISED PAGE 7-49.1  
EFFECTIVE: SEPTEMBER 30, 2000

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.9 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd)

###### (A) Basic Channel Description (Cont'd)

LightGate service (a.k.a. BellSouth SPA Point to Point Network) is a high capacity digital transport service consisting of DS3, DS1, STS-1, OC-3, OC-12, OC-48 and OC-192 channels. LightGate service (a.k.a. BellSouth SPA Point to Point Network) local channels are provided in four asynchronous system sizes: LightGate 1 service (a.k.a. BellSouth SPA Point to Point Network 1 DS3 capacity) systems, LightGate 2 service (a.k.a. BellSouth SPA Point to Point Network 3 DS3 capacity) systems, LightGate 3 service (a.k.a. BellSouth SPA Point to Point Network 12 DS3 capacity) systems, and LightGate 4 service (a.k.a. BellSouth SPA Point to Point Network 24 DS3 capacity) systems. LightGate service (a.k.a. BellSouth SPA Point to Point Network) synchronous systems are available in five system sizes: LightGate STS-1 service (a.k.a. BellSouth SPA Point to Point STS-1 capacity) systems, LightGate OC-3 service (a.k.a. BellSouth SPA Point to Point OC3 capacity) systems, LightGate OC-12 service (a.k.a. BellSouth SPA Point to Point Network OC-12 capacity) systems, LightGate OC-48 service (a.k.a. BellSouth SPA Point to Point Network OC-48 capacity) systems and LightGate OC-192 service (a.k.a. BellSouth SPA Point to Point Network OC-192 capacity) systems. Interoffice channels are provided in six system sizes: an asynchronous LightGate 1 service (a.k.a. BellSouth SPA Point to Point Network 1 DS3 capacity) system, a synchronous LightGate service STS-1 (a.k.a. BellSouth SPA Point to Point Network STS-1 capacity) system, a synchronous LightGate service OC-3 (a.k.a. BellSouth SPA Point to Point Network OC-3 capacity) system, a synchronous LightGate service OC-12 (a.k.a. BellSouth SPA Point to Point Network OC-12 capacity) system, a synchronous LightGate service OC-48 (a.k.a. BellSouth SPA Point to Point Network OC-48 capacity) system and a synchronous LightGate service OC-192 (a.k.a. BellSouth SPA Point to Point Network OC-192 capacity) system. Asynchronous systems are capable of transporting asynchronous DS1 and DS3 channels. Synchronous systems are capable of transporting all channels.

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TARIFF F.C.C. NO. 1  
 ORIGINAL PAGE 7-49.1.0.1

EFFECTIVE: SEPTEMBER 30, 2000

# ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (N)

7.2 Service Descriptions (Cont'd) (N)

7.2.9 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd) (N)

(A) Basic Channel Description (Cont'd) (N)

	<u>System Channel Capacity Limits</u>				
	DS1	DS3	STS-1	OC-3	
System Size:					(M)
-LightGate 1	28	1			(M)
(a.k.a. BellSouth					(M)
SPA Point to					(M)
Point Network					(M)
1 DS3 capacity)					(M)
-LightGate 2	84	3			(M)
(a.k.a. BellSouth					(M)
SPA Point to					(M)
Point Network					(M)
3 DS3 capacity)					(M)
-LightGate 3	336	12			(M)
(a.k.a. BellSouth					(M)
SPA Point to					(M)
Point Network					(M)
12 DS3 capacity)					(M)
-LightGate 4	672	24			(M)
(a.k.a. BellSouth					(M)
SPA Point to					(M)
Point Network					(M)
24 DS3 capacity)					(M)

Certain material now appearing on this page previously appeared on 4<sup>th</sup> Revised  
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TARIFF F.C.C. NO. 1  
 3RD REVISED PAGE 7-49.1.1  
 CANCELS 2ND REVISED PAGE 7-49.1.1

EFFECTIVE: JANUARY 13, 2001

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.9 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd)

###### (A) Basic Channel Description (Cont'd)

System Size:	System Channel Capacity Limits (Cont'd)					
	DS1	DS3	STS-1	OC-3	OC-12	OC-48
-LightGate STS-1 (a.k.a. BellSouth SPA Point to Point Network STS-1 capacity)	28		1			
-LightGate OC-3 (a.k.a. BellSouth SPA Point to Point Network OC-3 capacity)	84	3	3	1		
-LightGate OC-12 (a.k.a. BellSouth SPA Point to Point Network OC-12 capacity)	336	12	12	4	1	
-LightGate OC-48 (a.k.a. BellSouth SPA Point to Point Network OC-48 capacity)	1344	48	48	16	4	1
-LightGate OC-192 (a.k.a. BellSouth SPA Point to Point Network OC-192 capacity)	5376	192	192	64	16	4

Service will generally be provided over fiber optic facilities, as determined by the Telephone Company, however, alternate high capacity technology may be used as appropriate. These services may be used in link configurations for premises-to-premises applications or for hubbing applications.

The level of automatic protection switching capability varies for LightGate service (a.k.a. BellSouth SPA Point to Point Network) asynchronous and synchronous channels. For asynchronous channels, automatic protection switching capability is a standard service feature that automatically switches customer service to protection facilities upon primary facility failure. Card protection (1+n) is provided for DS1, DS3 and STS-1 channel interfaces as a standard feature. The synchronous customer or central office channel 4-fiber interfaces provide 1+1 optical card protection of the interface. The specifications for these interfaces are contained in BellSouth Telecommunications, Inc. Technical Reference TR-73501.

(N)  
 (N)  
 (N)  
 (C)  
 (N)  
 (N)  
 (N)  
 (N)  
 (N)

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd)

(A) Basic Channel Description (Cont'd)

Two additional levels of reliability are offered as options of basic LightGate service (a.k.a. BellSouth SPA Point to Point Network). These service levels provide guaranteed Separate Alternate Facilities Transport (SAFT Levels I & II) for improved protection of local channel systems extended from the first outside plant service access point outside the Telephone Company's serving wire center to the last outside plant service access point prior to entering a customer's premises.

(M)  
(M)  
(M)  
(M)  
(M)  
(M)

SAFT Level I

Service protection facilities will be guaranteed to be provided in a separate sheath, i.e., cable, from the primary facilities.

SAFT Level II

Service protection facilities will be guaranteed to be provided in a separate sheath, i.e., cable, separate supporting structure and route from the primary facilities. Intermediate equipment, if required, will be configured to prevent a single service interruption point.

LightGate service (a.k.a. BellSouth SPA Point to Point Network) channel interfaces are offered to provide individual DS3, DS1, STS-1, OC-3, OC-12, and OC-48 channels. Each DS3 channel has a capacity of 28 DS1 channels. A group of 28 DS1 channels or fraction thereof displaces the availability of a DS3 or STS-1 channel in a system. Appropriate electrical signals will be provided in accordance with the specifications of Technical Reference TR-INS-000342. Synchronous LightGate service systems offer additional STS-1, OC-3, OC-12, and OC-48 channel interfaces in addition to DS3 and DS1 channel interfaces. The specifications for LightGate service (a.k.a. BellSouth SPA Point to Point Network) interfaces are contained in BellSouth Telecommunications, Inc. Technical Reference TR-73501.

(C)

(C)

A synchronous LightGate service (a.k.a. BellSouth SPA Point to Point Network) local channel system may have an optical physical interface at either the serving wire center or the customer termination location. Where a customer elects to order a LightGate service (a.k.a. BellSouth SPA Point to Point Network) local channel system with optical termination at the customer's location, the customer's termination equipment must be compatible with Telephone Company equipment in the serving wire center. The Telephone Company reserves the right to determine the equipment it employs for service. The following table lists the channel interfaces available with each LightGate service (a.k.a. BellSouth SPA Point to Point Network) system.

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 ISSUED: AUGUST 14, 2006

TARIFF F.C.C. NO. 1  
 10TH REVISED PAGE 7-49.3  
 CANCELS 9TH REVISED PAGE 7-49.3  
 EFFECTIVE: AUGUST 15, 2006

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.9 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd)

###### (A) Basic Channel Description (Cont'd)

###### Local Channel Systems:

		Asynchronous (1)				
		LG1	LG2	LG3	LG4	
Customer Channel Interfaces						
DS1 (3)		X	X			
DS3		X	X	X	X	
Central Office Channel Interfaces						
DS1		X	X			
DS3		X	X	X	X	
28 DS1 Channel System (2)				X	X	
		Synchronous (1)				
		STS-1	OC-3	OC-12	OC-48	OC-192
Customer Channel Interfaces						
DS1 (3)		X	X			
Flex DS1 (13)				X	X	X
DS3 (11)			X	X	X	X
DS3 (Asymmetrical with DS1)			X			
DS3 (Asymmetrical with Flex DS1)				X	X	X
STS-1 (11)		X	X	X	X	X
OC-3			X	X	X	X
OC-12				X	X	X
OC-48					X	X
10 Mbps				X	X	X
100 Mbps				X	X	X
1000 Mbps (12)					X	X
Fractional 1000 Mbps at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps				X	X	X
Fractional 1000 Mbps at 600 Mbps					X	X
100 Mbps BellSouth Metro Ethernet Backbone (15)				X	X	X
1000 Mbps BellSouth Metro Ethernet Backbone (15)					X	X

(N)  
 (N)  
 (N)  
 (N)

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TARIFF F.C.C. NO. 1  
 2ND REVISED PAGE 7-49.3.0.1  
 CANCELS 1ST REVISED PAGE 7-49.3.0.1  
 EFFECTIVE: AUGUST 15, 2006

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.9 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd)

###### (A) Basic Channel Description (Cont'd)

###### Local Channel Systems: (Cont'd)

	STS-1	Synchronous(1)			
		OC-3	OC-12	OC-48	OC-192
Central Office Channel Interfaces(4)					
DS1	X	X			
Flex DS1 (13)			X	X	X
DS3 (11)		X	X	X	X
DS3 (Asymmetrical with DS1) (14)		X			
DS3 (Asymmetrical with Flex DS1) (14)			X	X	X
STS-1 (11)	X	X	X	X	X
OC-3		X	X	X	X
OC-12			X	X	X
OC-48				X	X
28 DS1 Channel System(2)(5)(11)		X	X	X	X
STS-1 Channel System(6)(11)		X	X	X	X
OC-3 Channel System(6)(7)			X	X	X
OC-12 Channel System(7)					X
OC-48 Channel System(7)					X
10 Mbps			X	X	X
100 Mbps			X	X	X
1000 Mbps (12)				X	X
Fractional 1000 Mbps at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps			X	X	X
Fractional 1000 Mbps at 600 Mbps				X	X
100 Mbps BellSouth Metro Ethernet Backbone (15)			X	X	X
1000 Mbps BellSouth Metro Ethernet Backbone (15)				X	X

(N)  
 (N)  
 (N)  
 (N)



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TARIFF F.C.C. NO. 1  
 3RD REVISED PAGE 7-49.3.1  
 CANCELS 2ND REVISED PAGE 7-49.3.1

EFFECTIVE: DECEMBER 30, 2004

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.9 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd)

###### (A) Basic Channel Description (Cont'd)

###### Interoffice Channel Systems:

	Asynchronous				
	LG1				
Channel Interfaces(8)					
DS3			X		
28 DS1 Channel System(9)			X		
	Synchronous				
	STS-1	OC-3	OC-12	OC-48	OC-192
Channel Interfaces(8)					
DS1					
DS3 (11)		X	X	X	X
STS-1 (11)	X	X	X	X	X
OC-3		X	X	X	X
OC-12			X	X	X
OC-48				X	X
28 DS1 Channel System(9)(11)		X	X	X	X
STS-1 Channel System (11)	X	X	X	X	X
OC-3 Channel System(10)		X	X	X	X
OC-12 Channel System(10)					X
OC-48 Channel System(10)					X
10 Mbps			X	X	X
100 Mbps			X	X	X
1000 Mbps (12)				X	X
Fractional 1000 Mbps at 50 Mbps,					
150 Mbps, 300 Mbps or 450 Mbps			X	X	X
Fractional 1000 Mbps at 600 Mbps				X	X

(N)  
 (N)  
 (N)  
 (N)  
 (N)  
 (N)

###### Notes:

- (1) Channel interface availability varies with system size and transport architecture (asynchronous vs. synchronous). Customers who provide their own optical termination equipment associated with LightGate service (a.k.a. BellSouth SPA Point to Point Network) systems with optical termination at customer's premises are required to utilize compatible channel interface combinations to function with Telephone Company provided central office channel interfaces.

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TARIFF F.C.C. NO. 1  
6TH REVISED PAGE 7-49.4  
CANCELS 5TH REVISED PAGE 7-49.4

EFFECTIVE: FEBRUARY 26, 2003

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.9 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd)

###### (A) Basic Channel Description (Cont'd)

Notes: (Cont'd)

- (2) 28 DS1 channel system interfaces are required in conjunction with LightGate 3 (a.k.a. BellSouth SPA Point to Point Network 12 DS3 capacity) and 4 (a.k.a. BellSouth SPA Point to Point Network 24 DS3 capacity) asynchronous systems. LightGate OC-12 (a.k.a. BellSouth SPA Point to Point Network OC-12 capacity), OC-48 (a.k.a. BellSouth SPA Point to Point Network OC-48 capacity) and OC-192 (a.k.a. BellSouth SPA Point to Point Network OC-192 capacity) local channel systems require 28 DS1 channel system interfaces in addition to DS1 channel interfaces in the central office to derive DS1 channels in the serving wire center. (T)  
(C)  
(C)
- (3) Telephone Company provided DS1 customer channel interfaces are offered with LightGate 1 (a.k.a. BellSouth SPA Point to Point Network 1 DS3 capacity), LightGate STS-1 (a.k.a. BellSouth SPA Point to Point Network 1 STS-1 capacity), LightGate 2 (a.k.a. BellSouth SPA Point to Point Network 3 DS3 capacity), and OC-3 (a.k.a. BellSouth SPA Point to Point Network OC-3 capacity) systems only.
- (4) LightGate service (a.k.a. BellSouth SPA Point to Point Network) central office channel interfaces are not required for the following synchronous LightGate service (a.k.a. BellSouth SPA Point to Point Network) systems with optical termination in the serving wire center: OC-3, OC-12 and OC-48. A LightGate service (a.k.a. BellSouth SPA Point to Point Network) Local Channel System with optical termination in the serving wire center may connect in one of the following ways:
  - to another LightGate service (a.k.a. BellSouth SPA Point to Point Network) Local Channel or Interoffice Channel at the compatible optical level,
  - to a SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) channel interface (CI) at the compatible optical level, or
  - to a compatible optical level channel interface from a higher level LightGate service (a.k.a. BellSouth SPA Point to Point Network) Local Channel or Interoffice Channel.

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TARIFF F.C.C. NO. 1  
2ND REVISED PAGE 7-49.4.0.1  
CANCELS 1ST REVISED PAGE 7-49.4.0.1

EFFECTIVE: FEBRUARY 26, 2003

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.9 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd)

###### (A) Basic Channel Description (Cont'd)

Notes: (Cont'd)

- (5) 28 DS1 channel system interfaces are required to terminate DS1 channels in the central office for LightGate service 3 (a.k.a. BellSouth SPA Point to Point Network 12 DS3 capacity) and 4 (a.k.a. BellSouth SPA Point to Point Network 24 DS3 capacity) systems. They are also required in the central office to terminate DS1 channels on LightGate service OC-3 (a.k.a. BellSouth SPA Point to Point Network OC-3 DS3 capacity), OC-12 (a.k.a. BellSouth SPA Point to Point Network OC-12 capacity), OC-48 (a.k.a. BellSouth SPA Point to Point Network OC-48 capacity) and OC-192 (a.k.a. BellSouth SPA Point to Point Network OC-192 capacity) systems when associated with DS3 channel interfaces at customer termination points. (T)  
(C)  
(C)
- (6) STS-1 or OC-3 channel system interfaces are required to terminate DS1 channels in the central office when associated with STS-1 customer channel interfaces. These channel systems may also be used with OC-3, OC-12 or OC-48 customer channel interfaces.

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ISSUED: MARCH 30, 2005

TARIFF F.C.C. NO. 1  
5TH REVISED PAGE 7-49.4.1  
CANCELS 4TH REVISED PAGE 7-49.4.1  
EFFECTIVE: MARCH 31, 2005

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.9 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd)

###### (A) Basic Channel Description (Cont'd)

Notes: (Cont'd)

- (7) For LightGate service OC-192 (a.k.a. BellSouth SPA Point to Point Network OC-192 capacity) local channel systems installed prior to February 26, 2003, OC-3, OC-12 or OC-48 channel system interfaces are required to terminate DS3 or STS-1 channels and OC-3 channel system interfaces are required to terminate DS1 channels in the central office.
- (8) Asynchronous LightGate service 1 (a.k.a. BellSouth SPA Point to Point Network 1 DS3 capacity) Interoffice Channel Systems offer DS1 or DS3 channel interfaces only. Synchronous LightGate service STS-1 (a.k.a. BellSouth SPA Point to Point Network 1 STS-1 capacity) Interoffice Channel Systems offer DS1 or STS-1 channel interfaces only. LightGate service OC-3 (a.k.a. BellSouth SPA Point to Point Network OC-3 capacity), LightGate service OC-12 (a.k.a. BellSouth SPA Point to Point Network OC-12 capacity), LightGate service OC-48 (a.k.a. BellSouth SPA Point to Point Network OC-48 capacity) Interoffice Channel Systems require OC-3 channel system, STS-1 channel system, or 28 DS1 channel system interfaces to terminate any channel interfaces at lower transmission rates than DS3 (or STS-1) rates.
- (9) 28 DS1 channel system interfaces are only required with asynchronous DS1 and DS3 channels.
- (10) OC-3 channel system interfaces provide DS1 channel termination capability with synchronous LightGate OC-3 (a.k.a. BellSouth SPA Point to Point Network OC-3 capacity), synchronous LightGate OC-12 (a.k.a. BellSouth SPA Point to Point Network OC-12 capacity), synchronous LightGate OC-48 (a.k.a. BellSouth SPA Point to Point Network OC-48 capacity) or synchronous LightGate OC-192 (a.k.a. BellSouth SPA Point to Point Network OC-192 capacity) Interoffice Channel Systems. OC-3, OC-12 or OC-48 channel system interfaces provide DS3 or STS-1 channel termination capability with synchronous LightGate OC-192 (a.k.a. BellSouth SPA Point to Point Network OC-192 capacity) Interoffice Channel Systems.
- (11) DS3, STS-1, 28 DS1 Channel System and STS-1 Channel System interfaces are available on LightGate OC-192 (a.k.a. BellSouth SPA Point to Point Network OC-192 capacity) systems installed on or after February 26, 2003.
- (12) Available on systems installed on or after September 30, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.
- (13) Available on systems installed on or after March 31, 2005. The maximum number of Flex DS1 circuits available in a system is 96. (N)
- (14) DS3 (Asymmetrical with DS1) and DS3 (Asymmetrical with Flex DS1) Central Office Channel Interfaces are available only for connection to collocation arrangements. (N)

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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TARIFF F.C.C. NO. 1  
ORIGINAL PAGE 7-49.4.2

EFFECTIVE: AUGUST 15, 2006

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(N)

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

(N)

7.2 Service Descriptions (Cont'd)

(N)

7.2.9 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd)

(N)

(A) Basic Channel Description (Cont'd)

(N)

Notes: (Cont'd)

(N)

- (15) 100 Mbps and 1000 Mbps BellSouth Metro Ethernet Backbone interfaces are  
for use when LightGate service (a.k.a. BellSouth SPA Point to Point) is  
utilized for transport of a customer's BellSouth Metro Ethernet service.  
100 Mbps interfaces are further defined regarding the number of STS-1s,  
utilized in conjunction with the interface.

(N)

(N)

(N)

(N)

(N)

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TARIFF F.C.C. NO. 1  
5TH REVISED PAGE 7-49.5  
CANCELS 4TH REVISED PAGE 7-49.5

EFFECTIVE: AUGUST 13, 2005

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.9 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd)

###### (A) Basic Channel Description (Cont'd)

LightGate service (a.k.a. BellSouth SPA Point to Point Network) local channel systems provided to a customer's designated premises will be installed in a single, common space under Telephone Company control. A local channel system may not be split between premises or terminated in multiple locations within a premises. Except for LightGate service (a.k.a. BellSouth SPA Point to Point Network) systems with optical customers terminations, the customer must provide suitable floor space, controlled environment, and source of non-switched suitable power to support this service at that location.

LightGate service 1 (a.k.a. BellSouth SPA Point to Point Network 1 DS3 capacity), LightGate STS-1 (a.k.a. BellSouth SPA Point to Point Network STS-1 capacity), LightGate OC-3 (a.k.a. BellSouth SPA Point to Point Network OC-3 capacity), LightGate OC-12 (a.k.a. BellSouth SPA Point to Point Network OC-12 capacity), LightGate OC-48 (a.k.a. BellSouth SPA Point to Point Network OC-48 capacity), and LightGate OC-192 (a.k.a. BellSouth SPA Point to Point Network OC-192 capacity) interoffice channel systems are intended to extend LightGate service (a.k.a. BellSouth SPA Point to Point Network) local channels to other central offices or to be provided on a stand-alone basis when connected to BellSouth Customer Network Management Service, SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), and hubbing applications at Voice Grade (a.k.a. BellSouth SPA DSO VG) service levels when not directly connected to LightGate service (a.k.a. BellSouth SPA Point to Point Network) local channels. Each LightGate service interoffice system is only provided between two suitably equipped Telephone Company central offices. (C)  
(C)

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TARIFF F.C.C. NO. 1  
3RD REVISED PAGE 7-50  
CANCELS 2ND REVISED PAGE 7-50  
EFFECTIVE: JUNE 12, 1999

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.9 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd)

###### (B) Technical Specifications Packages

The Compatibility requirements, technical specifications, and generic requirements for High Capacity service (a.k.a. BellSouth SPA High Capacity) service that are terminated at the customers (end users) premises are contained in Technical Reference TR-NPL-000054.

Transmission parameter limits, interface combinations, and technical specifications applicable to Interstate Carriers are contained in Technical Reference TR-INS-000342.

BellSouth DS1 Diverse service Local and Interoffice Channels have a performance objective of 99.98 percent circuit availability over 12 consecutive months, 99.95 percent error free seconds over a continuous 24 hour period, and .010 severely errored seconds over 30 consecutive days. These objectives apply except when a customer's equipment and/or cabling is disconnected and/or inoperative.

(N)  
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(N)

DS3 High Capacity service (a.k.a. BellSouth SPA DS3) service channels are measured at the DS1 rate. DS1 High Capacity service (a.k.a. BellSouth SPA DS1) service channels have a performance objective of 98.75% error-free seconds over a continuous 24 hour period. The channel availability objective over 12 consecutive months is 99.925%.

###### (C) Channel Interfaces

The following channel interfaces (CIs) define the bit rates that are available for a High Capacity (a.k.a. BellSouth SPA High Capacity) channel:

CI	Bit Rate
DS-15*	1.544 Mbps (DS1)
DS-31	3.152 Mbps (DS1C)
DS-44	44.736 Mbps (DS3)
DS-63	6.312 Mbps (DS2)

Compatible channel interfaces are set forth in Technical Reference TR-NPL-000054 and TR-INS-000342.

\* A 64.0 kbps channel is available as a channel(s) of a 1.544 Mbps facility to a Telephone Company Hub.

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TARIFF F.C.C. NO. 1  
4TH REVISED PAGE 7-51  
CANCELS 3RD REVISED PAGE 7-51  
EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

### 7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### (E) Optional Features and Functions

##### (1) Automatic Loop Transfer (Automatic Protection Switching)

The Automatic Loop Transfer provides protection on a 1xN basis against failure of the facilities between a customer designated premises and the wire center serving that premises. Protection is furnished through the use of a switching arrangement that automatically switches to a spare line when a working line fails. The spare line is not included as a part of the option. This option requires compatible equipment at both the serving wire center and the customer premises. The customer is responsible for providing the equipment at its premises. This feature may not be available with lines utilizing the Clear Channel Capability line code (B8ZS).

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TARIFF F.C.C. NO. 1  
4TH REVISED PAGE 7-52  
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EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

### 7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd) (T)

### (E) Optional Features and Functions (Cont'd)

#### (2) Channelization

##### (a) DS2 to DS1

An arrangement that channelizes a 6.312 Mbps channel to four DS1 channels.

##### (b) DS1C to DS1

An arrangement that channelizes a 3.152 Mbps channel to two DS1 channels.

##### (c) DS1 Basic Channelization System

An arrangement that channelizes a 1.544 Mbps channel to a maximum of twenty-four 64 kbps channels that may be used to activate both analog and digital services, e.g. Voice Grade (a.k.a. BellSouth SPA DS0 VG) Program Audio (a.k.a. BellSouth SPA Program Audio), Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data) service, Metallic (a.k.a. BellSouth SPA Metallic) and WATS Access Line (a.k.a. BellSouth SPA WATS Line) service. A DS1 Basic Channelization System requires a Central Office Channel Interface for each channel of lesser capacity. (T)  
(T)  
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(T)

##### (d) DS0 Basic Channelization System

An arrangement that channelizes a 64.0 kbps channel to subspeeds of up to twenty 2.4 kbps, ten 4.8 kbps, or five 9.6 kbps channels. A DS0 Basic Channelization System requires a Central Office Interface for each channel of lesser capacity.

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.9 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd)

#### (E) Optional Features and Functions (Cont'd)

##### (2) Channelization (Cont'd)

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package HC-				
	0	1	1C	2	3
Automatic Loop Transfer		X			
Channelization:					
DS3 to DS1					X
DS2 to DS1				X	
DS1C to DS1			X		
DS1 Basic Channelization System		X			
DS0 Basic Channelization System <sup>1</sup>	X	X			
BellSouth Customer Network Management Service	X	X			X
Clear Channel Capability		X			

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##### (3) Shared Network Arrangement

- (a) A service offering that provides for multiple customers to cross connect their individual services on a channelized high capacity service. The service configurations will be limited to a customer sharing a portion of their transport capacity with another customer. A customer's higher level of transport may be shared at a lower level based on the lower level of interfaces or channelization that are available (e.g., an OC-3 transport shared at the DS1 level, or an OC-48 transport shared at a DS3 level, or an OC-48 transport shared at an OC-12 level, or BellSouth DS1 Diverse service or DS1 High Capacity (a.k.a. BellSouth SPA DS1) service shared at a sub-DS1 level, or DS3 transport shared at the BellSouth DS1 Diverse service or DS1 High Capacity (a.k.a. BellSouth SPA DS1) service level). The customers with the higher level of transport (e.g., OC-48, OC-3, or DS3) who are sharing capacity on their services with others are considered to be the host subscribers under these arrangements.

Note 1: Available only on 64 Kbps DDAS (a.k.a. BellSouth SPA DS0 Digital Data) service or on a DS1 (1.544 Mbps) channel with Clear Channel Capability to a Telephone Company Hub.

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ISSUED: MAY 28, 1999

TARIFF F.C.C. NO. 1  
4TH REVISED PAGE 7-54  
CANCELS 3RD REVISED PAGE 7-54  
EFFECTIVE: JUNE 12, 1999

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.9 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd)

#### (E) Optional Features and Functions (Cont'd)

##### (3) Shared Network Arrangements

(b) Under the Shared Network Arrangement, BellSouth Telecommunications, Inc. may share with the host subscriber record information pertaining to the services of other users of the shared network. Such disclosure will be under the sole discretion of BellSouth Telecommunications, Inc. as is necessary to perform billing reconciliations and/or other functions required in connection with maintaining account records.

(c) Shared Network Arrangements are available in all operating areas of the Telephone Company. Section 7.4.11 contains rate regulations specific to Shared Network Arrangements.

##### (4) Clear Channel Capability

(a) Clear Channel Capability (CCC) is an arrangement that alters a DS1/1.544 Mbps signal with unconstrained information bits to meet pulse density requirements outlined in TR-NPL-000054 and TR-INS-000342. This will allow a customer to transport an all-zero octet over a DS1 (a.k.a. BellSouth SPA DS1) or BellSouth DS1 (C)  
Diverse service local and/or interoffice channel and will provide (C)  
an available combined maximum 1.536 Mbps data rate. This arrangement requires the customer signal at the channel interface to conform to Bipolar with eight (8) Zero Substitution (B8ZS) line code as described in Technical Reference TR-NPL-000054 and TR-INS-000342.

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CANCELS 2ND REVISED PAGE 7-55

EFFECTIVE: JUNE 12, 1999

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.9 High Capacity (a.k.a. BellSouth SPA High Capacity Service) (Cont'd)

#### (E) Optional Features and Functions (Cont'd)

##### (4) Clear Channel Capability (Cont'd)

- (b) CCC is provided on DS1 (a.k.a. BellSouth SPA DS1) and BellSouth DS1 Diverse service local and/or interoffice channels between two customer designated premises and is subject to the availability of facilities. This optional feature may be ordered at the same time the DS1 (a.k.a. BellSouth SPA DS1) or BellSouth DS1 Diverse service local and/or interoffice channel is ordered, or it may be ordered as an additional feature of an existing local or interoffice channel. Rates and charges for Clear Channel Capability are in addition to rates and charges specified for DS1 (a.k.a. BellSouth SPA DS1) and BellSouth DS1 Diverse service. (C) (C) (C) (C) (T) (T) (N)
- (c) When providing CCC via a DS3/44.736 Mbps High Capacity (a.k.a. BellSouth SPA DS3) channel, that DS3 channel must be designated, in BellSouth records, as having Clear Channel Capability prior to the provisioning of a DS1 (a.k.a. BellSouth SPA DS1) or BellSouth DS1 Diverse service local and/or interoffice channel with CCC. Customers must agree to out-of-service periods required to add this feature to: 1) an existing DS1 (a.k.a. BellSouth SPA DS1) or BellSouth DS1 Diverse service local and/or interoffice channel or 2) a DS3/44.736 Mbps High Capacity (a.k.a. BellSouth SPA High Capacity) channel which transports a DS1 (a.k.a. BellSouth SPA DS1) or DS1 Diverse service local and/or interoffice channel to be optioned for B8ZS. (C) (C) (C) (T) (C) (C)

\*\*\*\*\*

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ISSUED: SEPTEMBER 30, 2004

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3RD REVISED PAGE 7-55.1  
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EFFECTIVE: OCTOBER 15, 2004

#### ACCESS SERVICE

#### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.10 Dry Fiber

Dry fiber is offered as a point-to-point arrangement between two customer-designated premises. The Telephone Company will also permit a customer to provision dry fiber to a collocation arrangement or between two collocation arrangements located in the same central office. If dry fibers are terminated at a collocation arrangement, connecting facility assignments (CFAs) of the fiber cross-connect facility must be provided, as well as a letter of authorization (LOA) from the collocator. (C)  
(C)  
(N)  
(N)  
(N)  
(N)  
(N)

This arrangement consists of four optical fibers, where available, and is offered without optical signal regeneration to compensate for signal losses. This service is offered over the Telephone Company fibers "as is" without any modification or re-splicing. The Telephone Company makes no other representations regarding the transmission capability of the facilities. Diverse fiber paths are not provided with this service offering. A fiber cross-connect panel is the only equipment provided for the provision of this service. Fiber cross-connects into collocation arrangements and between collocation arrangements located in the same central office (i.e., Intra-Office Cross Connects) are offered pursuant to the rates and charges provided in Section 13 of this Tariff. (C)  
(N)  
(C)  
(N)  
(N)  
(N)  
(N)  
(N)

The customer may utilize the dry fiber for any lawful purpose, however, the Telephone Company does not represent this service as suitable for the customer's desired applications. The Telephone Company reserves the right to rearrange its network and to modify the manner in which it provides service in order to meet its overall service requirements. This includes, but is not limited to, the right to engineer and construct its fiber optic facilities in accordance with its normal operations without requirement to modify its materials, splicing techniques, or planned facility rearrangements to suit a specific customer request. (T)  
(T)

At the request of the customer, if made prior to the installation of the facilities, the Telephone Company will attempt to estimate the transmission loss of the channel at the customer's intended transmission wavelength; provided, however, that the Telephone Company does not warrant that the customer's channel will operate at that estimated loss or that the transmission loss will remain constant during the period in which the customer obtains the facilities from the Telephone Company. (T)  
(T)  
(T)

The customer must clearly identify facilities termination points at the customer's premises or at the customer's collocation arrangements. In addition, the customer must cooperatively disable any optical transmission equipment on a dry fiber arrangement whenever the Telephone Company must perform maintenance on those facilities. (C)  
(C)  
(T)

This arrangement does not provide interconnection to other DS3 and/or DS1 channel services provided by the Telephone Company. No service capabilities are expressed or implied for any such connections by the customer. (C)  
(T)

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TARIFF F.C.C. NO. 1  
10TH REVISED PAGE 7-56  
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EFFECTIVE: JUNE 30, 2006

ACCESS SERVICE

7- Special Access (a.k.a. BellSouth SPA)Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.11 Self-healing Rings

(A) Self-healing Multi-nodal Alternate Route Topology Ring  
(SMARTRing)Service (a.k.a. BellSouth SPA Dedicated Ring)

SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) 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 Telephone Company Central Offices where facilities can be made available as determined by the Company. 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, OC-48, and/or 1000 Mbps channel services simultaneously over primary and alternate paths between customer designated locations and Telephone Company Central Offices. This ring topology will continually monitor DS1, DS3, STS-1, OC-3, OC-12, OC-48, and /or 1000 Mbps service quality, detect any failure within the system, and automatically self-heal around a point of failure to ensure the flow of DS1, DS3, STS-1, OC-3, OC-12, OC-48, and/or 1000 Mbps Services between locations within the network.

SMARTRing service further provides an adjunct optional feature and function capability for the establishment of a virtual packet ring which may be utilized for the transport of Basic Shared Ethernet LAN traffic on a best effort basis.

(N)  
(N)  
(N)  
(N)

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TARIFF F.C.C. NO. 1  
8TH REVISED PAGE 7-57  
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EFFECTIVE: SEPTEMBER 30, 2003

## ACCESS SERVICE

### 7- Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.11 Self-healing Rings (Cont'd)

###### (A) Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing) Service (a.k.a. BellSouth SPA Dedicated Ring) (Cont'd)

SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) is available at OC-1, OC-3, OC-3+ OC-12, OC-48, OC-48+, OC-192 and OC-192+ capacities. (C)

OC-24 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) is only available to existing CSPP customers or under month-to-month arrangements.

OC-1 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) is available only in Overlay Ring Arrangements riding the customer's host OC-12, OC-48, or OC-48+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). The OC-1 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) shares the transport of its host SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). OC-1 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) provides an equivalent capacity of 28 DS1s or one STS-1. When an OC-1 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) overlays an OC-12, OC-48, or OC-48+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), an OC-1 channel interface is required.

OC-3 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) 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 (a.k.a. BellSouth SPA Dedicated Ring). OC-3 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) provides an equivalent capacity of 3 DS3s, or any combination thereof not to exceed an OC-3 capacity. (C)

Channel Interface Capacity Reallocation allows the customer to reallocate STS-1, DS3 and/or DS1 capacities to OC-3 nodes subsequent to the initial configuration of an OC-3 ring.

OC-3+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) is available as an individual service, or in combination with OC-12 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), or in an Overlay Ring Arrangement riding the customer's host OC-48, OC-48+, OC-192, or OC-192+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). (C)  
OC-3+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) 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. (C)

\*\*\*\*\*

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TARIFF F.C.C. NO. 1  
8TH REVISED PAGE 7-57.1  
CANCELS 7TH REVISED PAGE 7-57.1

EFFECTIVE: JANUARY 28, 2006

## ACCESS SERVICE

### 7- Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.11 Self-healing Rings (Cont'd)

###### (A) Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing) Service (a.k.a. BellSouth SPA Dedicated Ring) (Cont'd)

When a customer orders OC-3+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) in combination with OC-12 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), 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 (a.k.a. BellSouth SPA Dedicated Ring) is available as an individual service, or in combination with OC-3+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), or in an Overlay Ring Arrangement riding the customer's host OC-48, OC-48+, OC-192, or OC-192+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). OC-12 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) provides an equivalent capacity of 12 DS3s.

OC-24 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) is available as an individual service with a capacity of (24) DS3s. This service is available with DS3 Customer and Central Office Channel Interfaces, and DS1 Central Office Channel Interfaces via a 28-DS1 Channel System. OC-24 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) is only available to existing CSPP customers or under month-to-month arrangements.

OC-48 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) is available as an individual service, or with overlaying rings in capacities of OC-1, OC-3, OC-3+ and/or OC-12, or in an Overlay Ring Arrangement riding the customer's host OC-192 or OC-192+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). OC-48 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) provides an equivalent capacity of 48 DS3s.

OC-48+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) is available as an individual bi-directional service, or in an Overlay Ring Arrangement riding the customer's host OC-192+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), or with overlaying rings in capacities of OC-1, OC-3, OC-3+, and/or OC-12. It provides equivalent capacity of 24 DS3s between consecutive node locations on the ring. The maximum capacity of the OC-48+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) 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)  
(C)  
(C)  
(C)  
(C)  
(C)



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TARIFF F.C.C. NO. 1  
2ND REVISED PAGE 7-57.1.1  
CANCELS 1ST REVISED PAGE 7-57.1.1  
EFFECTIVE: JANUARY 28, 2006

## ACCESS SERVICE

### 7- Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.11 Self-healing Rings (Cont'd)

###### (A) Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing) Service (a.k.a. BellSouth SPA Dedicated Ring) (Cont'd)

OC-192 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) is available as an individual service, or with overlaying rings in capacities of OC-3, OC-3+, OC-12 and/or OC-48 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). OC-192 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) provides an equivalent capacity of 192 DS3s.

OC-192+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) 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 (a.k.a. BellSouth SPA Dedicated Ring) 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)  
(C)  
(C)  
(C)  
(C)  
(C)  
(C)

EFFECTIVE: AUGUST 15, 2006

ACCESS SERVICE

7- Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.11 Self-healing Rings (Cont'd)

(A) Self-healing Multi-nodal Alternate Route Topology Ring  
(SMARTRing) Service (a.k.a. Bell South SPA Dedicated Ring) (Cont'd)

SMARTRing service (a.k.a. Bell South SPA Dedicated Ring) Channel  
 Interfaces are available as follows:

DS1	Yes	Yes	Yes	No <sup>1</sup>	No <sup>1</sup>	No <sup>1</sup>	No <sup>1</sup>	No <sup>1</sup>
	<u>NODES</u>							
<u>Channel Interfaces</u>	<u>OC-1</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>
DS3	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes <sup>3</sup>
STS-1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes <sup>3</sup>
OC-1 <sup>2</sup>	No	No	No	Yes	Yes	Yes	No	No
OC-3	No	No	No	Yes	Yes	Yes	Yes	Yes
OC-12	No	No	No	No	Yes	Yes	Yes	Yes
OC-48	No	No	No	No	No	No	Yes	Yes
28 DS1 Channel System (DS3)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes <sup>3</sup>
28 DS1 Channel System (STS-1)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes <sup>3</sup>
DS3 (Asymmetrical with DS1)	No	Yes	Yes	Yes	Yes	No	Yes	No
DS3 (Asymmetrical with Flex DS1)	No	No	No	Yes	Yes	Yes	Yes	Yes
DS1 Within an STS-1 Asymmetrical Arrangement	No	Yes	Yes	No	No	No	No	No
10 Mbps	No	Yes	No	Yes	Yes	Yes	Yes	Yes
100 Mbps	No	No	No	Yes	Yes	Yes	Yes	Yes
1000 Mbps	No	No	No	No	Yes <sup>4</sup>	Yes <sup>4</sup>	Yes <sup>4</sup>	Yes <sup>4</sup>
Flex DS1	No	No	No	Yes	Yes	Yes <sup>5</sup>	Yes	Yes <sup>5</sup>
Fractional 1000 Mbps at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps	No	Yes <sup>6</sup>	No	Yes	Yes	Yes	Yes	Yes
Fractional 1000 Mbps at 600 Mbps	No	No	No	No	Yes	Yes	Yes	Yes
100 Mbps BellSouth Metro Ethernet Backbone <sup>7</sup>	No	No	No	Yes	Yes	Yes	Yes	Yes
1000 Mbps BellSouth Metro Ethernet Backbone	No	No	No	No	Yes	Yes	Yes	Yes

(N)  
 (N)  
 (N)

Note 1: DS1 interfaces are available via OC-1, OC-3, and OC-3+ Overlay Ring Arrangements or 28 DS1 Channel Systems only.

Note 2: OC-1 interfaces are only available for use with OC-1 Overlay Ring Arrangements.

Note 3: DS3, STS-1, 28 DS1 Channel System (DS3) and 28 DS1 Channel System (STS-1) interfaces are only available on rings installed on or after February 26, 2003.

Note 4: Available on rings installed on or after September 30, 2003. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

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).

Note 6: 50 Mbps only is available on OC-3 Nodes.

Note 7: 100 Mbps BellSouth Metro Ethernet Backbone interfaces are further defined regarding the number of STS-1s utilized in conjunction with the interface.

(N)  
 (N)  
 (N)

EFFECTIVE: JUNE 30, 2006

ACCESS SERVICE

7- Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.11 Self-healing Rings (Cont'd)

(A) Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing) Service (a.k.a. Bell South SPA Dedicated Ring) (Cont'd)

SMARTRing service ordered and installed after June 30, 2006, is available with an optional feature and function capability in which a customer may utilize all or part of his SMARTRing service to establish an adjunct virtual packet ring. A virtual packet ring is separate and apart from the SONET capabilities associated with high capacity channel transport via DS1 through OC-48 interfaces. A virtual packet ring provides the capability for a customer to transport Ethernet LAN traffic utilizing Basic Shared Ethernet LAN Access Links that have best effort service capabilities in which the throughput associated with a virtual packet ring are controlled/affected by the customer's traffic and network configuration. Problems associated with throughput due to the best effort service capabilities of a virtual packet ring do not constitute a service interruption for which a credit allowance would apply.

SMARTRing service (a.k.a. Bell South SPA Dedicated Ring) Basic Shared Ethernet LAN Access Links are available as follows:

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

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

**Note 1:** Basic Shared Ethernet LAN Access Links are available based on equipment capability. Basic Shared Ethernet LAN multipoint interfaces allow the SONET "timeslots" to be available at multiple node locations as per TR 73582. Basic Shared Ethernet LAN Access Links at Central Office Nodes are available for connection to collocation arrangements only.

ACCESS SERVICE

7- Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.11 Self-healing Rings (Cont'd)

(A) Self-healing Multi-nodal Alternate Route Topology Ring  
(SMARTRing) Service (a.k.a. Bell South SPA Dedicated Ring) (Cont'd)

SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) 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).

The Flex DS1 interface provides customers shared STS-1 capabilities at the ring level such that customers may route DS1s within an STS-1 between various nodes on the ring. The maximum quantity of Flex DS1 interfaces available at a node is 108. For DS1 interface requirements greater than the 108 Flex DS1 capability, standard DS1 interfaces are available via OC-1, OC-3 and OC-3+ Overlay Ring Arrangements or 28 DS1 Channel Systems. (C)

The DS3 (Asymmetrical with DS1) interface allows a customer to aggregate DS1s originating from multiple nodes on a ring into a single DS3 interface at a designated node. A DS3 (Asymmetrical with DS1) interface has the capacity to aggregate 28 DS1s. (C)

The DS3 (Asymmetrical with DS1) may interface at an OC-12, OC-48 or OC-192 node with a Flex DS1 interface.

The DS1 within an STS-1 Asymmetrical Arrangement interface rate element applies in lieu of the STS-1 interface for the higher level termination of an asymmetrical arrangement when the lower level interface is a DS1.

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)

EFFECTIVE: DECEMBER 30, 2004

ACCESS SERVICE

(N)

7- Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

(N)

7.2 Service Descriptions (Cont'd)

(N)

7.2.11 Self-healing Rings (Cont'd)

(N)

(A) Self-healing Multi-nodal Alternate Route Topology Ring

(N)

(SMARTRing) Service (a.k.a. Bell South SPA Dedicated Ring) (Cont'd)

(N)

SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) Overlay Ring  
 Arrangements are available as follows

(M)

(M)

OVERLAYING SMARTRing Service  
 (a.k.a. BellSouth  
 SPA Dedicated Ring)

Host SMARTRing Service  
 (a.k.a. BellSouth  
 SPA Dedicated Ring)

(M)

(M)

(M)

	<u>OC-12</u>	<u>OC-48</u>	<u>OC-48+</u>	<u>OC-192</u>	<u>OC-192+</u>
OC-1	X	X	X		
OC-3	X	X	X	X	X
OC-3+		X	X	X	X
OC-12		X	X	X	X
OC-48				X	X

(M)

(M)

(M)

(M)

(M)

(M)

SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) is connectible  
 at Telephone Company Central Offices to any 44.736 Mbps and/or 1.544  
 Mbps services as provided in Section 7 of this tariff. Rates and  
 charges for such other services are as set forth in the applicable  
 sections of this tariff for such other services.

(M)

(M)

(M)

(M)

(M)

Shared Network Arrangements will not be provided with SMARTRing service  
 (a.k.a. BellSouth SPA Dedicated Ring) at the ring level. Shared Network  
 Arrangements as defined in Section 2.6 apply at the channel interface  
 level only.

(M)

(M)

(M)

(M)

(M)

Certain material now appearing on this page previously appeared on Fourth  
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EFFECTIVE: JUNE 30, 2006

ACCESS SERVICE

7- Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.11 Self-healing Rings (Cont'd)

(A) Self-healing Multi-nodal Alternate Route Topology Ring  
(SMARTRing) Service (a.k.a. Bell South SPA Dedicated Ring) (Cont'd)

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

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

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

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

VIRTUAL PACKET RING SIZE (MBPS)						
<u>Basic Shared Ethernet Access Links</u>	<u>50</u>	<u>150</u>	<u>300</u>	<u>450</u>	<u>600</u>	<u>1000</u>
10 Mbps Basic Shared Ethernet LAN Access Link - Electrical	Yes	Yes	Yes	Yes	Yes	Yes
100 Mbps Basic Shared Ethernet LAN Access Link - Electrical	No	Yes	Yes	Yes	Yes	Yes
100 Mbps Basic Shared Ethernet LAN Access Link - Optical	No	Yes	Yes	Yes	Yes	Yes
Fractional 1000 Mbps Basic Shared Ethernet LAN Access Link						
- Optical at 50 Mbps	No	Yes	Yes	Yes	Yes	Yes
- Optical at 150 Mbps	No	No	Yes	Yes	Yes	Yes
- Optical at 300 Mbps	No	No	No	Yes	Yes	Yes
- Optical at 450 Mbps	No	No	No	No	Yes	Yes
- Optical at 600 Mbps	No	No	No	No	No	Yes

EFFECTIVE: JUNE 30, 2006

ACCESS SERVICE

(N)

7- Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

(N)

7.2 Service Descriptions (Cont'd)

(N)

7.2.11 Self-healing Rings (Cont'd)

(N)

(A) Self-healing Multi-nodal Alternate Route Topology Ring  
(SMARTRing) Service (a.k.a. Bell South SPA Dedicated Ring) (Cont'd)

(N)

(N)

For SMARTRing service (a.k.a. Bell South SPA Dedicated Ring) configured with a Virtual Packet Ring(s), an individual VPR requires multiple (i.e., two or more) Basic Shared Ethernet LAN Access Links. An individual Basic Shared Ethernet LAN Access Link associated with a VPR may not be equal to the size of the VPR and the sum of all or access links on a VPR must be equal to or less than the size (i.e., capacity) of the Virtual Packet Ring. An individual SMARTRing service (a.k.a. Bell South SPA Dedicated Ring) arrangement may have multiple Virtual Packet Rings, up to and including the capacity of the ring.

(N)

(N)

(N)

(N)

(N)

(N)

(N)

(N)

(N)

SMARTRing service (a.k.a. Bell South SPA Dedicated Ring) Virtual Packet Rings may be established to work with either electrical or optical Basic Shared Ethernet LAN Access Links. A Virtual Packet Ring established associated with electrical access links will only work with electrical Basic Shared Ethernet LAN Access Links and a Virtual Packet Ring established associated with optical access links will only work with optical Basic Shared Ethernet LAN Access Links. Electrical and optical access links may not be mixed on the same Virtual Packet Ring.

(N)

(N)

(N)

(N)

(N)

(N)

(N)

(N)

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TARIFF F.C.C. NO. 1  
12TH REVISED PAGE 7-57.3  
CANCELS 11TH REVISED PAGE 7-57.3

EFFECTIVE: AUGUST 15, 2006

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.11 Self-healing Rings (Cont'd)

###### (A) Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing) Service (a.k.a. BellSouth SPA Dedicated Ring) (Cont'd)

The customer must provide suitable floor space, controlled environment, and source of non-switched suitable power to support this service.

Where the customer provides two separate entrance facility cable routes for SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), 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.

(M)

Certain material previously appearing on this page now appears on Original Page 7-57.3.1.

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EFFECTIVE: AUGUST 15, 2006

ACCESS SERVICE

(N)

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

(N)

7.2 Service Descriptions (Cont'd)

(N)

7.2.11 Self-healing Rings (Cont'd)

(N)

(A) Self-healing Multi-nodal Alternate Route Topology Ring  
(SMARTRing) Service (a.k.a. BellSouth SPA Dedicated Ring) (Cont'd)

(N)

(N)

SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) OC-1, 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 BellSouth Customer Network Management Service under the rates and regulations set forth in 7.4.12 following. BellSouth Customer Network Management Service is available with two options: (1) Surveillance or (2) Reconfiguration. Customers wishing to incorporate either of these capabilities into their SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) should advise the Telephone Company at the time the initial service is requested. When the customer requests to add either BellSouth Customer Network Management Service option subsequent to the initial service installation, a SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) 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.

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(M)

(M)

Reconfiguration is provided on a per STS-1 basis. Customers who wish to utilize this service to reconfigure DS1 interfaces must purchase the BellSouth Customer Network Management Service Reconfiguration option for all DS1 interfaces associated with the STS-1 group which the customer desires to have equipped with BellSouth Customer Network Management Service capability.

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When the customer orders Reconfiguration, the customer must order a sufficient quantity of SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) channel interfaces at every Customer Node and Central Office Node where reconfiguration capability is desired. This option is also available with SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) DS3 channel interfaces which transport BellSouth SWA service.

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Reconfiguration for SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) interfaces applies to interfaces on the ring only.

(M)

(M)

Reconfiguration is not available with 100 Mbps and 1000 Mbps BellSouth Metro Ethernet Backbone interfaces.

(N)

(N)

Certain material now appearing on this page previously appeared on 11<sup>th</sup> Revised Page 7-57.3.

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TARIFF F.C.C. NO. 1  
1ST REVISED PAGE 7-57.4  
CANCELS ORIGINAL PAGE 7-57.4

EFFECTIVE: AUGUST 13, 2005

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.11 Self-healing Rings (Cont'd)

###### (A) Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing) Service (a.k.a. BellSouth SPA Dedicated Ring) (Cont'd)

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, BellSouth Customer Network Management Service may not be ordered with a Regeneration Node, however, a customer may monitor a Regeneration Node via the BellSouth Customer Network Management Service 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 BellSouth Customer Network Management Service Surveillance. Regeneration Node and Regeneration Node Surveillance, as applicable, will appear on a customer's records as non-rated USOC(s), as follows:

(C)  
(C)  
(C)  
(C)  
(C)

Regeneration Node, all ring capacities, non-rated	SHNRD
Regeneration Node Surveillance, all ring capacities, non-rated	SHNRS

ACCESS SERVICE

7- Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

7.2 Service Descriptions (Cont'd)

7.2.11 Self-healing Rings (Cont'd)

(B) Technical Specifications Packages

The compatibility requirements, technical specifications, and generic requirements for SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) terminated at the customers designated locations are referenced in Technical Reference ANSI T1.404-1994, ANSI T1.403-1989 and ANSI T1.105-1991. (T)

DS3 interface combinations and technical specifications are referenced in Bellcore TR-INS-000342.

DS1 interface combinations and technical specifications are referenced in Bellcore TR-NPL-000054.

STS-1, OC-1, OC-3, and OC-12 interface combinations and technical specifications are referenced in BellSouth Telecommunications, Inc. Technical Reference TR-73582.

These self-healing multi-nodal DS3 high capacity (a.k.a. BellSouth SPA DS3) service channels have a long term performance objective of 99.5% error-free seconds and a severely errored second (SES) objective of less than 0.009% SES when the circuit is available. Self-healing multi-nodal DS1 high capacity (a.k.a. BellSouth SPA DS1) service channels have a long term performance objective of 99.95% error-free seconds. (T)

7.2.12 Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) Service (T)

(A) Basic Service Description

DDCS (a.k.a. BellSouth SPA Derived Data Channel) provides full-duplex asynchronous or synchronous data transmission utilizing data over voice and subrate multiplexing technology. DDCS (a.k.a. BellSouth SPA Derived Data Channel) provides simultaneous data and voice transmissions over the customer's existing two-wire local exchange facility. A derived data channel (a.k.a. BellSouth SPA Derived Data Channel) is provided between the customer's premises and the customer's serving central office. (T)

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TARIFF F.C.C. NO. 1  
5TH REVISED PAGE 7-58.1  
CANCELS 4TH REVISED PAGE 7-58.1

EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

7- Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

### 7.2 Service Descriptions (Cont'd)

7.2.12 Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) ~~Service~~ (T)

#### (A) Basic Service Description (Cont'd)

At the customer's serving central office the data/voice terminating equipment provides subrate multiplexing of the data signals into a standard DS0-B interface for a group composed of a maximum of twenty derived data channels. The customer's derived data channel (a.k.a. BellSouth SPA Derived Data Channel) must be associated with a DS0-B Interface. This association requires coordination between the subscriber of the derived data channel (a.k.a. BellSouth SPA Derived Data Channel) and the subscriber of the DS0-B interface. (T)

An interoffice channel is provided for interconnection of the subrate multiplexed DS0-B interface to the serving wire center of a customer designated terminating premises. (T)

DDCS is provided subject to the availability of appropriate network facilities and equipment and subject to the transmission limitations of the facilities and equipment used by the Company. (T)

The customer will be responsible for selecting his own Customer Premises Equipment (CPE). CPE must be compatible with the Company provided terminating equipment at the serving wire center.

#### (B) Channel Interfaces

The following channel interface (CI) defines the bit rate that is available with DDCS.

CI	Bit Rate
2DV5.BA	2.4 Kbps Digital Data Over Voice

Compatible channel interface specifications are contained in BellSouth Technical Reference Publication 73548 for the data/voice multiplexing equipment and BellSouth Technical Reference Publication 73548, Addendum 1, for access to the DS0-B interface.

\*\*\*\*\*

EFFECTIVE: AUGUST 13, 2005

ACCESS SERVICE

7- Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.13 SMARTPath Service (a.k.a. BellSouth SPA DS1 Shared Ring)

(A) SMARTPath Service (a.k.a. BellSouth SPA DS1 Shared Ring)

SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) is a shared high capacity network 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. This service is available in those locations within specified SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) areas which the Company determines can be incorporated into the SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) network enabling the Company to provide the specified level of performance and reliability. For locations where a customer requests SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) and facilities are not available, special construction charges will apply, as set forth in the BELLSOUTH TELECOMMUNICATIONS, INC.'s SPECIAL CONSTRUCTION TARIFF, F.C.C. No. 2. SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) areas and associated wire centers are identified in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4 by wire center.

SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) 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 (a.k.a. BellSouth SPA DS1 Shared Ring) area or (2) a serving wire center in the same SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) area for connection to (a) DS1 Basic Channelization, BellSouth Customer Network Management Service, LightGate service (a.k.a. BellSouth SPA Point to Point Network), or SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) as provided in Section 7 of this tariff, or BellSouth Virtual Expanded Interconnection Services under Section 20 of this tariff, or (b) a SMARTPath (a.k.a. BellSouth SPA DS1 Shared Ring) Area Junction of another SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) area in the same Metropolitan Area. (C)

(B) Performance Objectives

ANSI T1.403-1989 Extended Super Frame Format (ESF) is required on all circuits in order to assure performance objectives. The performance objectives for SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) are as follows:

- (1) Meet or exceed 99.99% circuit availability on a monthly basis. This objective applies except where a customer's equipment is disconnected and/or inoperative.
- (2) Meet or exceed 99.95% error-free seconds on a monthly basis.
- (3) Meet or exceed .009% severely errored seconds on a monthly basis.

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TARIFF F.C.C. NO. 1  
4TH REVISED PAGE 7-58.3  
CANCELS 3RD REVISED PAGE 7-58.3

EFFECTIVE: DECEMBER 16, 1996

#### ACCESS SERVICE

7- Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.2 Service Description (Cont'd)

7.2.13 SMARTPath Service (a.k.a. BellSouth SPA DS1 Shared Ring) (Cont'd) (T)

##### (C) Performance Guarantees

The performance guarantees for SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) are as follows: (T)

- (1) 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 Section 2.4.9 preceding.
- (2) Service Continuity - in the event of primary facility failure, service is guaranteed to switch to an alternate facility path in 60 seconds or less. Failure to meet this guarantee will result in a credit as described in Section 2.4.4(B)(9) preceding, where the trouble is in the network on public right-of-way.

##### (D) Deployment

Deployment of SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) is planned for the following metropolitan areas: (T)

Atlanta, GA  
Baton Rouge, LA  
Charlotte, NC  
Fort Lauderdale, FL  
Jacksonville, FL  
Memphis, TN  
Miami, FL  
Nashville, TN  
New Orleans, LA  
Orlando, FL  
Raleigh, NC

7.2.14 SMARTPath DS3 Transport Service (a.k.a. BellSouth SPA DS3 Shared Ring) (T)

(A) SMARTPath DS3 Transport Service (a.k.a. BellSouth SPA DS3 Shared Ring) (T)

SMARTPath DS3 Transport service (a.k.a. BellSouth SPA DS3 Shared Ring) is a shared high capacity (a.k.a. BellSouth SPA High Capacity) network service capable of providing a 44.736 Mbps transport link with high performance and reliability parameters and a level of redundancy/diversity designed to limit a single event from interrupting service. This service is available only in those locations within specified SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) areas (T)

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TARIFF F.C.C. NO. 1  
2ND REVISED PAGE 7-58.4  
CANCELS 1ST REVISED PAGE 7-58.4

EFFECTIVE: AUGUST 13, 2005

## ACCESS SERVICE

### 7- Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Description (Cont'd)

##### 7.2.14 SMARTPath DS3 Transport (a.k.a. BellSouth SPA DS3 Shared Ring) Service (Cont'd)

###### (A) SMARTPath DS3 Transport (a.k.a. BellSouth SPA DS3 Shared Ring) Service (Cont'd)

which the Company determines can be incorporated into the SMARTPath service (a.k.a. SMARTPath SPA DS1 Shared Ring) network enabling the Company to provide the specified level of performance and reliability. For locations where a customer requests SMARTPath DS3 Transport service (a.k.a. BellSouth SPA DS3 Shared Ring) and facilities are not available, special construction charges will apply as set forth in the BELLSOUTH TELECOMMUNICATIONS INC.'S SPECIAL CONSTRUCTION TARIFF, F.C.C. No. 2. SMARTPath (a.k.a. BellSouth SPA Shared Ring) service areas are identified in the NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. No. 4.

SMARTPath DS3 Transport (a.k.a. BellSouth SPA DS3 Shared Ring) service provides a transport link between a customer designated premises where the network is accessed and (a) another customer designated premises, in the same SMARTPath area or (b) a serving wire center in the same SMARTPath area. At a serving wire center in a SMARTPath service area, SMARTPath DS3 Transport (a.k.a. BellSouth SPA DS3 Shared Ring) service may be connected (a) to DS1 (a.k.a. BellSouth SPA DS1) service through a SMARTPath DS3 Transport (a.k.a. BellSouth SPA DS3 Shared Ring) service 28 DS1 Channel System, or to BellSouth Customer Network Management Service, or to SMARTRing (a.k.a. BellSouth SPA Dedicated Ring) service as provided in Section 7 of this tariff, or to expanded interconnection services under Section 20 following, or (b) to a SMARTPath DS3 Area Junction of another SMARTPath (a.k.a. BellSouth SPA DS1 Shared Ring) service area in the same metropolitan area. (C)

###### (B) Performance Objectives

Technical Reference 73575 and Technical Reference 73575, Addendum 1, DS3 framing format with P-bit parity is required on all circuits in order to support maintenance and performance objectives. The DS3 performance objectives for SMARTPath DS3 Transport (a.k.a. BellSouth SPA DS3 Shared Ring) service are as follows:

1. Meet or exceed 99.99% circuit availability on a monthly basis. This objective applies except where a customer's equipment is disconnected and/or inoperative.
2. Meet or exceed 99.5% error free seconds on a monthly basis.
3. Meet or exceed .009% severely errored seconds on a monthly basis.

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TARIFF F.C.C. NO. 1  
2ND REVISED PAGE 7-58.5  
CANCELS 1ST REVISED PAGE 7-58.5  
EFFECTIVE: DECEMBER 16, 1996

#### ACCESS SERVICE

7- Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.2 Service Description (Cont'd)

7.2.14 SMARTPath DS3 Transport Service (a.k.a. BellSouth SPA DS3 Shared Ring (T)  
(Cont'd)

#### (C) Performance Guarantee

The performance guarantee for SMARTPath DS3 Transport service (a.k.a. BellSouth SPA DS3 Shared Ring) is as follows: (T)  
(T)

1. Service Continuity - in the event of primary facility failure, service is guaranteed to switch to an alternate facility path in 60 seconds or less. Failure to meet this guarantee will result in a credit as described in Section 2.4.4(B)(9) preceding, where the trouble is in the network on public right-of-way.

#### (D) Deployment

Deployment of SMARTPath DS3 Transport service (a.k.a. BellSouth SPA DS3 Shared Ring) is the same as shown for DS1 SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) in Section 7.2.13(D) preceding. (T)  
(T)  
(T)



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TARIFF F.C.C. NO. 1  
4TH REVISED PAGE 7-58.6  
CANCELS 3RD REVISED PAGE 7-58.6  
EFFECTIVE: MARCH 30, 2002

## ACCESS SERVICE

### 7- Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Description (Cont'd)

##### 7.2.15 SMARTGate Service (a.k.a. BellSouth SPA Managed Shared Ring Network)

###### (A) Basic Service Descriptions

SMARTGate service (a.k.a. BellSouth Managed Shared Ring Network) is a managed high capacity shared network service capable of providing a transport link with high performance and reliability parameters and a level of redundancy/diversity designed to limit a single event from interrupting service. This service is based on fiber facilities configured in ring architectures and is available only in those locations within specified metropolitan areas (SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) areas) which the Telephone Company determines can be incorporated into the SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) network enabling the Telephone Company to provide the specified level of performance and reliability. Within a SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) area, the Telephone Company will aggregate a customer's high capacity traffic (i.e., DS1, DS3, OC-3, or OC-12 high capacity traffic) and manage the delivery of it, in an aggregated format to a primary aggregation location to optimize utilization of a customer's services and Telephone Company facilities. SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) areas are identified in the NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF, F.C.C. NO. 4. For locations where a customer requests SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) and facilities are not available, special construction charges will apply as set forth in the BELLSOUTH TELECOMMUNICATIONS INC.'s SPECIAL CONSTRUCTION TARIFF, F.C.C. No. 2. (C)

For SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network), the management function provided with the service is such that the Telephone Company will control and design the facility assignment, routing and hubbing of services to the customers primary and secondary aggregation locations. The customer may not specify facility routing and selection with SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) as they do with regular high capacity (a.k.a. BellSouth SPA High Capacity) services.

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ACCESS SERVICE

7- Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.15 SMARTGate Service (a.k.a. BellSouth SPA Managed Shared Ring Network)  
(Cont'd)

(A) Basic Service Descriptions (Cont'd)

SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) is available to any customer that meets the following minimum requirements:

- (1) The customer must have at least one primary aggregation location (i.e., a location that terminates 337 or greater equivalent DS1s) within a SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) area.
- (2) All of a customer's primary aggregation locations within a SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) area and the associated High Capacity (a.k.a. BellSouth SPA High Capacity) services must be included in the customer's SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) arrangement for the SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) area.

SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) is available at customer aggregation locations which terminate 337 or greater equivalent DS1s. In determining the quantity of equivalent DS1s a customer has at an aggregation location, a DS3 is considered to be 28 equivalent DS1s and a DS1 is considered to be one equivalent DS1. At aggregation locations where the high capacity traffic terminates, SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) will be delivered, via an OC-12 interface on and after October 14, 1997, provided the customer's equipment is compatible with Telephone Company equipment and specifications as contained in BellSouth Technical Reference TR 73592 SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) Interface and Performance Specifications. SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) provided via a DS3 electrical interface prior to that date may retain that service arrangement. However, when a customer orders OC-3 or OC-12 SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network), the OC-3 or OC-12 service must be provided via an optical interface separate from the electrical interface. If a customer with SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) delivered via a DS3 electrical interface desires to convert the services provided via the DS3 electrical interface to an OC-12 optical interface, the cost of such conversion will be handled on an Individual Case Basis. If the Telephone Company facilities serving an Aggregation Location with a DS3 electrical interface exhaust, the relief facilities may be provided via a OC-12 interface, while retaining the existing DS3 interface, if the customer so desires.

EFFECTIVE: AUGUST 13, 2005

## ACCESS SERVICE

### 7- Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Description (Cont'd)

##### 7.2.15 SMARTGate Service (a.k.a. BellSouth SPA Managed Shared Ring Network) (Cont'd)

###### (A) Basic Service Descriptions (Cont'd)

The customer will designate locations from which the customer's traffic will be collected for management of the transport onto and over the SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) network for delivery to the customer's aggregation location(s). Such collection locations can be customer locations which are on the SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) network (On-Net collection locations) or customer locations which are not on the SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) network (Off-Net collection locations). Where traffic is collected from an On-Net collection location, the traffic will be managed and delivered to the aggregation location(s) on the SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) network as On-Net SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) DS1 channels and On-Net SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) DS3 channels, depending on the capacity ordered. Where traffic is collected from an Off-Net collection location, the customer must specify the standard tariff service desired from the Off-Net collection location to the SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) network (e.g., DS1 service, LightGate 1 service (a.k.a. BellSouth SPA Point to Point Network 1 DS3 Capacity), etc.). The monthly charges associated with such services (e.g., local channel and, if applicable, interoffice channel) will apply up to the SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) wire center which is nearest to the Off-Net collection location's normal serving wire center. This SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) wire center serves as the connection point to SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network). From the connection point, the traffic will be managed and delivered to the customer's aggregation location on the SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) network as Off-Net SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) DS1 channels or Off-Net SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) DS3 channels, depending on the capacity ordered. Off-Net DS1 SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) may connect, at the connection point, to DS1 High Capacity (a.k.a. BellSouth SPA High Capacity) Service, BellSouth Customer Network Management Service, DS1 Basic Channelization (C) or a DS1 interface on LightGate service (a.k.a. BellSouth SPA Point to Point Network) or SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) as provided in Section 7 of this tariff,

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TARIFF F.C.C. NO. 1  
4TH REVISED PAGE 7-58.7.1  
CANCELS 3RD REVISED PAGE 7-58.7.1

EFFECTIVE: AUGUST 13, 2005

## ACCESS SERVICE

### 7- Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Description (Cont'd)

##### 7.2.15 SMARTGate Service (a.k.a. BellSouth SPA Managed Shared Ring Network) (Cont'd)

###### (A) Basic Service Descriptions (Cont'd)

Section 7 of this tariff, or BellSouth Virtual Expanded Interconnection Services under Section 20 of this tariff or to Exchange Access Frame Relay service (a.k.a. BellSouth Exchange Access Frame Relay Service) or Exchange Access Connectionless Data service (a.k.a. BellSouth Exchange Access Connectionless Data Service) under Section 21 of this tariff or to BellSouth Exchange Access Asynchronous Transfer Mode Service under Section 21 of this tariff. Off-Net DS3 SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) may connect, at the connection point, to BellSouth Customer Network Management Service, LightGate 1 service (a.k.a. BellSouth SPA Point to Point Network 1 DS3 Capacity) or SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) as provided in Section 7 of this Tariff, or BellSouth Virtual Expanded Interconnection Services under Section 20 of this tariff or to Exchange Access Frame Relay service (a.k.a. BellSouth Exchange Access Frame Relay Service) or Exchange Access Connectionless Data service (a.k.a. BellSouth Exchange Access Connectionless Data Service) under Section 21 of this Tariff or to BellSouth Exchange Access Asynchronous Transfer Mode Service under Section 21 of this tariff. When an Off-Net DS3 connects to LightGate 1 service (a.k.a. BellSouth SPA Point to Point Network 1 DS3 Capacity) or SMARTing service (a.k.a. BellSouth SPA Dedicated Ring), the LightGate 1 service (a.k.a. BellSouth SPA Point to Point Network 1 DS3 Capacity) or SMARTing service (a.k.a. BellSouth SPA Dedicated Ring) may not further connect to another DS3 arrangement. (C)

EFFECTIVE: MARCH 30, 2002

ACCESS SERVICE

7- Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.15 SMARTGate Service (a.k.a. BellSouth SPA Managed Shared Ring Network)  
(Cont'd)

(A) Basic Service Descriptions (Cont'd)

Off-Net OC-3 SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) may connect, at the connection point, to BellSouth Exchange Access Asynchronous Transfer Mode Service under Section 21 of this tariff, or to a LightGate service (a.k.a. BellSouth SPA Point to Point Network) Local Channel or an Interoffice Channel and a Local Channel, or SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), or to a collocation space. When an Off-Net OC-3 SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) connects to LightGate service (a.k.a. BellSouth SPA Point to Point Network) or SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), the LightGate service (a.k.a. BellSouth SPA Point to Point Network) or SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) must terminate at a customer premises in an OC-3 interface. (N)

Off-Net OC-12 SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) may connect, at the connection point, to BellSouth Exchange Access Asynchronous Transfer Mode Service under Section 21 of this tariff or to a LightGate service (a.k.a. BellSouth SPA Point to Point Network Capacity) Local Channel or an Interoffice Channel and a Local Channel, or SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), or to a collocation space. When an Off-Net OC-12 SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) connects to LightGate service (a.k.a. BellSouth SPA Point to Point Network), or SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), the LightGate service (a.k.a. BellSouth SPA Point to Point Network), or SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) must terminate at a customer premises in an OC-12 interface. (N)

Off-Net OC-3 SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) and Off-Net OC-12 SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) are associated with optical circuits. These optical circuits may be provisioned as concatenated, if desired by the customer. 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. (N)

Where a customer requests service at a location that is served by SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) facilities (i.e., an On-Net Location) and network capacity is not available to provide service as On-Net, at the request of the customer, the service will be provided and billed as Off-net service pending SMARTGate Service (a.k.a. BellSouth SPA Managed Shared Ring Network) facilities becoming available, and once such facilities become available the Off-Net service be changed to On-Net service. (M)

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TARIFF F.C.C. NO. 1  
5TH REVISED PAGE 7-58.8  
CANCELS 4TH REVISED PAGE 7-58.8  
EFFECTIVE: NOVEMBER 15, 2000

## ACCESS SERVICE

### 7- Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Description (Cont'd)

##### 7.2.15 SMARTGate (a.k.a. BellSouth SPA Managed Shared Ring Network) Service (Cont'd)

###### (A) Basic Service Descriptions (Cont'd)

Wire centers comprising a SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) area will be identified in NECA Tariff F.C.C. No. 4, as either available for On-Net and Off-Net DS1 and DS3 SMARTGate services (a.k.a. BellSouth SPA Managed Shared Ring Network) or available only for Off-Net DS1 and DS3 SMARTGate services (a.k.a. BellSouth SPA Managed Shared Ring Network).

The current SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) areas are in Jacksonville and Orlando, Florida, Atlanta, Georgia, Louisville, Kentucky, New Orleans, Louisiana, and Nashville, Tennessee.

When a customer orders SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network), a commitment equal to 90% of his equivalent special access DS1s provided by the Telephone Company within the SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) area at primary aggregation locations will be established. If a customer's equivalent DS1s qualify for the 337 or greater equivalent DS1 service level and 90% of the customer's equivalent DS1s is less than the minimum for the service level, then the customer's 90% commitment is equal to the minimum number of DS1s associated with the service level (e.g., 337 equivalent DS1s). This commitment of equivalent DS1s must be converted to SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) within eighteen months of making the commitment.

Subsequent to the establishment of a SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) area, a customer may add an Aggregation Location to the area, by extending the existing SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) commitment plan for the area by 2 years. Also, the customer's commitment level for the SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) area will be updated to be the greater of 75% of his equivalent special access DS1s provided by the Telephone Company within the SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) area at primary aggregation or the current commitment level for the area.

Certain material previously appearing on this page now appears on 1st Revised Page 7-58.8.1.

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TARIFF F.C.C. NO. 1  
1ST REVISED PAGE 7-58.8.1  
CANCELS ORIGINAL PAGE 7-58.8.1

EFFECTIVE: NOVEMBER 15, 2000

## ACCESS SERVICE

### 7- Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Description (Cont'd)

##### 7.2.15 SMARTGate (a.k.a. BellSouth SPA Managed Shared Ring Network) Service (Cont'd)

###### (A) Basic Service Descriptions (Cont'd)

As a part of the Telephone Company's management of SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network), the Telephone Company will work with the customer to establish a mutually agreed upon conversion schedule containing the quantity of equivalent DS1s to be converted to SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) per established time interval (e.g., 50 equivalent DS1s per month) during the 18-month conversion period. This schedule will be used to track the progress of the conversion of a customer's high capacity (a.k.a. BellSouth SPA High Capacity) services to SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network). If during the 18-month conversion period, the established quantity of equivalent DS1s per established time interval are not converted due to delays caused by the Telephone Company, the Telephone Company will credit the customer. For each such unconverted DS1 equivalent circuit, a credit in an amount equal to the difference in the DS1 equivalent DS1 charge associated with such circuit and the applicable DS1 SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) rate will apply. The credit will apply each month for each equivalent DS1 circuit scheduled to be converted but not converted as scheduled due to delays caused by the Telephone Company up until such time as the conversion is accomplished, unless further delays are caused by the customer in which case the credit shall cease as to the affected equivalent DS1 circuits.

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Certain material now appearing on this page previously appeared on 4th Revised Page 7-58.8.

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TARIFF F.C.C. NO. 1  
3RD REVISED PAGE 7-58.9  
CANCELS 2ND REVISED PAGE 7-58.9  
EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

7- Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

### 7.2 Service Description (Cont'd)

7.2.15 SMARTGate Service (a.k.a. BellSouth SPA Managed Shared Ring Network) (Cont'd) (T)

#### (A) Basic Service Descriptions (Cont'd)

At the end of the eighteen month period, the customer's quantity of equivalent DS1s on SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) will be reviewed and the customer may initiate an adjustment to the initial SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) commitment. This adjustment will give consideration to the customer's optimization of services, based upon supporting documentation (e.g., (1) redundant services may not be required due to the survivable nature of SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) or (2) a customer may change a DS1 with DDAS service (a.k.a. BellSouth SPA DSO Digital Data) hubbed into it to DDAS service due to less than optimum utilization of the DS1. In adjusting the commitment, the level will not be reduced below the minimum number of equivalent DS1s associated with the SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) level. If at the end of eighteen months, the customer's equivalent DS1s on SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) is less than the initial or the adjusted 90% commitment, as applicable, a shortfall charge will apply. The shortfall charge will equal the Off-Net DS1 monthly rate for SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) times the number of equivalent SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) DS1s the customer is short of the commitment times four months. The shortfall charge will not apply for equivalent DS1s not converted to SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) by the end of the eighteen month conversion period due to delays caused by the Telephone Company. (T)

Where SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) is available in the intrastate access tariff, the intrastate special access traffic in the SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) area will contribute toward the customer's 90% commitment in this tariff. In case of a shortfall charge or a termination liability, the amount will be prorated to the interstate or intrastate jurisdiction based upon the in-service mix of SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) in each jurisdiction. (T)

Certain material previously appearing on this Page now appears on Original Page 7-58.9.1.

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TARIFF F.C.C. NO. 1  
1ST REVISED PAGE 7-58.9.1  
CANCELS ORIGINAL PAGE 7-58.9.1

EFFECTIVE: DECEMBER 5, 1998

## ACCESS SERVICE

### 7- Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Description (Cont'd)

##### 7.2.15 SMARTGate (a.k.a. BellSouth SPA Managed Shared Ring Network) Service (Cont'd)

###### (A) Basic Service Descriptions (Cont'd)

After the initial eighteen month conversion period, the customer's total DS1 equivalent SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) in the SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) area will be reviewed annually. If at the annual review, the customer's equivalent DS1s on SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) are less than the 90% commitment, a shortfall charge will apply. The shortfall charge will equal the Off-Net DS1 monthly rate for SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) times the number of equivalent SMARTGate service (a.k.a. BellSouth Managed Shared Ring Network) DS1s the customer is short of the commitment times four months.

As of December 5, 1998, existing SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) customers may choose to subscribe to BellSouth Managed Shared Ring service, as described in Section 6 of this tariff. If an existing SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) customer chooses not to subscribe to BellSouth Managed Shared Ring service and has switched services transported over the SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) infrastructure, the customer must order standard BellSouth SWA Transport service and convert the switched traffic to the standard arrangement. As of this date, any new orders for SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) must also include an order for BellSouth Managed Shared Ring service at the same aggregation location(s).

(N)  
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TARIFF F.C.C. NO. 1  
6TH REVISED PAGE 7-58.10  
CANCELS 5TH REVISED PAGE 7-58.10

EFFECTIVE: APRIL 30, 2003

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Description (Cont'd)

##### 7.2.16 BellSouth SPA Managed Shared Network Service

BellSouth SPA Managed Shared Network Service is a service under which the customer assigns to the Telephone Company the responsibility for facility design and engineering and routing of point-to-point DS3, DS1 and DS0-level special access (a.k.a. BellSouth SPA) services from serving wire centers in a BellSouth SPA Managed Shared Network Service area to the customer's Aggregation Location(s) in the same BellSouth SPA Managed Shared Network Service area. Each LATA in the Telephone Company's territory is a BellSouth SPA Managed Shared Network Service area. (C)

In addition to the above service capabilities, as of April 30, 2003, BellSouth SPA Managed Shared Network Service also includes point-to-point STS-1, OC-3, OC-12 and OC-48 levels of transport. Point-to-point OC-192 transport and the services carried over it are also eligible for inclusion in BellSouth SPA Managed Shared Network for OC-192 transport that was in-service on or before February 25, 2003. As of April 30, 2003, all new customer orders and new commitments for BellSouth SPA Managed Shared Network Service must include all of the customer's eligible DS0 through OC-192 special access (a.k.a. BellSouth SPA) service requirements, except as indicated in this section. Existing BellSouth SPA Managed Shared Network Service customers under a commitment plan that desire to upgrade their service arrangement to include the optical service capability shall replace their existing commitment plan with a new commitment plan, based on their current equivalent DS1 quantities. If an existing BellSouth SPA Managed Shared Network Service customer under a commitment plan does not desire to add the optical service capability to their service arrangement, they shall remain under their existing commitment plan until it expires, at which time they may (1) establish a new commitment plan that contains DS0 through OC-192 service capabilities or (2) their DS0 through DS3 BellSouth SPA Managed Shared Service arrangement shall revert to month to month BellSouth SPA Managed Shared Service rates or (3) the customer may convert his BellSouth SPA Managed Shared Network Service DS0 through DS3 service arrangement to regular tariff services via ASRs or (4) the customer may request that the Telephone Company convert their BellSouth SPA Managed Shared Service DS0 through DS3 service to standard tariff point-to-point services at month-to-month rates, at which time the customer may then subscribe to payment plans if they so desire. (N)

(M)

EFFECTIVE: APRIL 30, 2003

ACCESS SERVICE

(N)

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

(N)

7.2 Service Description (Cont'd)

(N)

7.2.16 BellSouth SPA Managed Shared Network Service

(N)

At the time a customer orders BellSouth SPA Managed Shared Network Service, the customer must designate one or more Aggregation Locations and may designate one or more Alternate Aggregation Locations in each BellSouth SPA Managed Shared Network Service area. The interface at Aggregation Locations, Interim Locations and Alternate Aggregation Locations must be a DS3 or higher level interface. At the time a customer orders/establishes a commitment plan for BellSouth SPA Managed Shared Network Service, the customer's service arrangement at the Aggregation Location must meet BellSouth SPA Managed Shared Network Service criteria (e.g., the interface at an Aggregation Location must be a DS3). If the customer's network does not meet BellSouth SPA Managed Shared Network Service's criteria, the customer will have a 180-day grace period in which to reconfigure his network service arrangement to meet BellSouth SPA Managed Shared Network Service criteria. If at the end of the 180-day grace period, the customer has services that do not meet BellSouth SPA Managed Shared Network Service criteria, those services shall be exempt from the customer's BellSouth SPA Managed Shared Network Service arrangement and will continue at the rates associated with the services that were present at the time of the customer's BellSouth SPA Managed Shared Network Service request. As of April 30, 2003, once the customer has designated a location as an Aggregation Location, or an Alternate Aggregation Location, all of the customer's Telephone Company provided eligible DS0-level through OC-192 special access (a.k.a. BellSouth SPA) traffic delivered to and from that location, except SMARTPath Service (a.k.a. BellSouth SPA DS1 Shared Ring), SMARTPath DS3 Transport Service (a.k.a. BellSouth SPA DS3 Shared Ring), SMARTRing (a.k.a. BellSouth SPA Dedicated Ring) service, OC-192 point-to-point traffic installed since February 25, 2003 and any traffic that does not meet BellSouth SPA Managed Shared Network Service, must be included in the BellSouth SPA Managed Shared Network Service arrangement. All such BellSouth SPA Managed Shared Network Service traffic which the customer designates to be delivered to an Aggregation Location or to an associated Alternate Aggregation Location is considered to be "associated" with such Aggregation Location.

BellSouth SPA Managed Shared Network Service customer locations that were established as Interim Aggregation Locations will be converted to and managed as existing Alternate Aggregation Locations as of November 1, 2002.

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TARIFF F.C.C. NO. 1  
2ND REVISED PAGE 7-58.10.1  
CANCELS 1ST REVISED PAGE 7-58.10.1

EFFECTIVE: APRIL 30, 2003

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Description (Cont'd)

##### 7.2.16 BellSouth SPA Managed Shared Network Service

An Aggregation Location is any customer designated premises in a BellSouth SPA Managed Shared Network Service area that aggregates 28 or greater equivalent DS1s which the Telephone Company provides to the customer, excluding SMARTPath Service (a.k.a. BellSouth SPA DS1 Shared Ring) and SMARTPath DS3 Transport Service (a.k.a. BellSouth SPA DS3 Shared Ring, SMARTRing (a.k.a. BellSouth SPA Dedicated Ring) service and point-to-point OC-192 service installed after February 25, 2003 and which customer designated premises has been designated by the customer as an Aggregation Location for purposes of BellSouth SPA Managed Shared Network Service. In determining the number of DS1 equivalents the customer has at an Aggregation Location, DS3 traffic is considered as 28 equivalent DS1s and 24 DSOs are considered as an equivalent DS1, STS-1 traffic is considered as 28 equivalent DS1s, an OC-3 is considered as 84 equivalent DS1s, an OC-12 is considered as 336 equivalent DS1s, an OC-48 is considered as 1,344 equivalent DS1s, and an OC-192 is considered as 5376 equivalent DS1s. (C) (C) (C) (C) (N) (N) (N) (N)

A customer may also designate a location in a BellSouth SPA Managed Shared Network Service area which aggregates 28 or greater equivalent DS1s which the Telephone Company provides to the customer as an Alternate Aggregation Location, all of whose Telephone Company-provided special access traffic, may be rearranged to an Aggregation Location in the same BellSouth SPA Managed Shared Network Service area. Traffic from an Alternate Aggregation Location may be rearranged only to a single Aggregation Location. The rearrangements will be made, as requested by the customer, via Access Service Requests. Such Alternate Aggregation Location is considered to be "associated" with the Aggregation Location to which its traffic may be rearranged. Traffic at Alternate Aggregation Locations may be rearranged only to Aggregation Locations where a customer subscribes to BellSouth SPA Managed Shared Network Service under a 60 month rate plan and there are at least two years remaining on the Aggregation Location's current commitment period. (C) (C)

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TARIFF F.C.C. NO. 1  
6TH REVISED PAGE 7-58.11  
CANCELS 5TH REVISED PAGE 7-58.11  
EFFECTIVE: APRIL 30, 2003

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Description (Cont'd)

##### 7.2.16 BellSouth SPA Managed Shared Network Service (Cont'd)

BellSouth SPA Managed Shared Network Service traffic is connectable at serving wire centers to DS3, DS1, DS0-level, STS-1, OC-3, OC-12, OC-48 and OC-192 special access (a.k.a. BellSouth SPA) services. Each location in a BellSouth SPA Managed Shared Network Service area from which traffic originates or terminates for delivery to or from an Aggregation Location or an Alternate Aggregation Location is an Origination Location. (C)

When the customer designates an Aggregation Location, the customer shall make a commitment to maintain a specified number of equivalent DS1s as BellSouth SPA Managed Shared Network Service for such Aggregation Location for a period of one year or five years, beginning on the date on which the customer initially orders the service or establishes a new commitment plan. Such commitment shall be equal to 90% of the equivalent special access (a.k.a. BellSouth SPA) DS1s provided by the Telephone Company to the customer to be aggregated at such Aggregation Location as BellSouth SPA Managed Shared Network Service or 28 equivalent DS1s, whichever is greater. As of April 30, 2003, when a customer initially orders BellSouth SPA Managed Shared Network Service or establishes a new commitment plan for an Aggregation Location, the customer must also subscribe to BellSouth SWA Managed Shared Network Service, as described in Section 6 of this Tariff, for the respective locations, regardless of whether the locations terminate only special access (a.k.a. BellSouth SPA), or both BellSouth SWA service and special access (a.k.a. BellSouth SPA) service. If the customer already subscribes to BellSouth SWA Managed Shared Network Service, then the customer shall replace their existing commitment plan with a new single commitment plan that will be established for the customer's BellSouth SPA Managed Shared Network Service and BellSouth SWA Managed Shared Network Service arrangements that shall be based on the customer's current DS1 equivalents. This commitment is to include traffic from an Alternate Aggregation Location. If the initial commitment is for the minimum 28 equivalent DS1s, the commitment shall be reviewed after twelve months and the commitment shall be adjusted to 90% of the equivalent special access (a.k.a. BellSouth SPA) and BellSouth SWA equivalent DS1s provided by the Telephone Company to the customer at such Aggregation Location and Alternate Aggregation Locations at the time of the review. Should a customer designate an Alternate Aggregation Location subsequent to the establishment of an Aggregation Location, the initial commitment at the Aggregation Location will be increased to include 90% of the Telephone Company-provided switched traffic and special access (a.k.a. BellSouth SPA) traffic that may be rearranged to the Aggregation Location from an Alternate Aggregation Location. (C)

The Telephone Company and the customer shall work cooperatively in revising their network arrangements in order to accommodate aggregation of the customer's BellSouth SPA Managed Shared Network Service traffic at an Aggregation Location, including the conversion of the customer's BellSouth SPA Managed Shared Network Service traffic from Alternate Aggregation Locations, as applicable. (C)

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ISSUED: OCTOBER 17, 2002

TARIFF F.C.C. NO. 1  
2ND REVISED PAGE 7-58.11.1  
CANCELS 1ST REVISED PAGE 7-58.11.1

EFFECTIVE: NOVEMBER 1, 2002

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Description (Cont'd)

##### 7.2.16 BellSouth SPA Managed Shared Network Service (Cont'd)

The customer may request reconfiguration of all BellSouth SPA Managed Shared Network Service traffic from one Aggregation Location to another Aggregation Location. A new DS1 equivalent commitment level for the second Aggregation Location shall be established equal to no less than the sum of the commitment at the first Aggregation Location and the commitment at the second Aggregation Location. The first Aggregation Location shall become an Alternate Aggregation Location. Termination liability charges for discontinuance of the first Aggregation Location are as set forth in Section 7.4.27. The cost of reconfiguring traffic from one Aggregation Location to another Aggregation Location shall be determined on an Individual Case Basis. (C)

Where BellSouth SPA Managed Shared Network Service is available in the intrastate access tariff, the intrastate special access (a.k.a. BellSouth SPA) BellSouth SPA Managed Shared Network Service traffic will contribute toward the customer's 90% commitment in this tariff. In case of a shortfall charge or a termination liability, the amount will be prorated to the interstate or intrastate jurisdiction based upon the in-service mix of BellSouth SPA Managed Shared Network Service in each jurisdiction for that Aggregation Location.

\*\*\*\*\*

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ISSUED: OCTOBER 1, 2003

TARIFF F.C.C. NO. 1  
7TH REVISED PAGE 7-58.12  
CANCELS 6TH REVISED PAGE 7-58.12

EFFECTIVE: OCTOBER 16, 2003

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.17 Reserved For Future Use

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ISSUED: OCTOBER 1, 2003

TARIFF F.C.C. NO. 1  
8TH REVISED PAGE 7-58.13  
CANCELS 7TH REVISED PAGE 7-58.13

EFFECTIVE: OCTOBER 16, 2003

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.17 Reserved For Future Used (Cont'd)

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ISSUED: OCTOBER 1, 2003

TARIFF F.C.C. NO. 1  
6TH REVISED PAGE 7-58.14  
CANCELS 5TH REVISED PAGE 7-58.14

EFFECTIVE: OCTOBER 16, 2003

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.17 Reserved For Future Use (Cont'd)

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ISSUED: AUGUST 25, 1999

TARIFF F.C.C. NO. 1  
3RD REVISED PAGE 7-58.15  
CANCELS 2ND REVISED PAGE 7-58.15

EFFECTIVE: SEPTEMBER 9, 1999

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.17 Reserved For Future Used (Cont'd)

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ISSUED: OCTOBER 1, 2003

TARIFF F.C.C. NO. 1  
3RD REVISED PAGE 7-58.16  
CANCELS 2ND REVISED PAGE 7-58.16  
EFFECTIVE: OCTOBER 16, 2003

ACCESS SERVICE

7 – Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.17 Reserved For Future Use (Cont'd)

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TARIFF F.C.C. NO. 1  
4TH REVISED PAGE 7-58.17  
CANCELS 3RD REVISED PAGE 7-58.17  
EFFECTIVE: OCTOBER 16, 2003

## ACCESS SERVICE

### 7 – Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.17 Reserved For Future Use (Cont'd)

(T)

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TARIFF F.C.C. NO. 1  
2ND REVISED PAGE 7-58.17.1  
CANCELS 1ST REVISED PAGE 7-58.17.1  
EFFECTIVE: OCTOBER 16, 2003

## ACCESS SERVICE

7 – Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.17 Reserved For Future Use (Cont'd)

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ISSUED: OCTOBER 1, 2003

TARIFF F.C.C. NO. 1  
3RD REVISED PAGE 7-58.18  
CANCELS 2ND REVISED PAGE 7-58.18  
EFFECTIVE: OCTOBER 16, 2003

## ACCESS SERVICE

7 – Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.17 Reserved For Future Use (Cont'd)

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ISSUED: OCTOBER 1, 2003

TARIFF F.C.C. NO. 1  
1ST REVISED PAGE 7-58.19  
CANCELS ORIGINAL PAGE 7-58.19  
EFFECTIVE: OCTOBER 16, 2003

## ACCESS SERVICE

7 – Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.17 Reserved For Future Used (Cont'd)

(T)

(M)

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Page 28-22.

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## ACCESS SERVICE

### 7 – Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.18 BellSouth Metro Ethernet Service

- (A) BellSouth Metro Ethernet Service is a high-speed packet transport that is based on Ethernet transmission parameters. BellSouth Metro Ethernet Service provides various transport capabilities that range from 2 Mbps through 1 Gbps with capabilities for basic, premium, dedicated and virtual arrangements that may be used to meet individual customer needs. (C)
- (B) BellSouth BellSouth Metro Ethernet Service signals meet IEEE 802.3, 802.3u, or 802.3z standards. BellSouth Metro Ethernet Service also uses 802.1Q VLAN tagging and stacking for certain service configurations contained herein. Technical requirements for interfaces with customer premises equipment (CPE) are contained in ANSI/IEEE 802.3-2002 Specifications.
- (C) BellSouth Metro Ethernet Service interface specifications are set forth in BellSouth Technical Reference TR-73632. Technical limitations associated with provisioning 2 Mbps, 4 Mbps and 8 Mbps BellSouth Metro Ethernet Connections based upon distance from the customer's premises to service wire center and equipment configurations exist and are also set forth in Technical Reference TR-73632. (C)  
(C)  
(C)  
(C)
- (D) The rates and charges set forth in 7.5.22 for BellSouth Metro Ethernet Service provide for the furnishing of service in certain metropolitan areas where suitable Telephone Company facilities are available. In locations where BellSouth Metro Ethernet Service is not available, special construction charges may apply.
- (E) A LAN (local area network) is a communications network spanning a limited geographical area. A LAN connects computers and other peripheral equipment for data communications purposes within a building or campus environment.
- (F) A VLAN (virtual local area network) is a logical grouping of Metro Ethernet connections that allows data transmission between such connections to occur as if all connections are on the same physical LAN.
- (G) Metro Ethernet is a service where Local Area Networks (LANs) send bi-directional Ethernet traffic to other LANs on an Ethernet Wide Area Network (WAN). Ethernet is one of the most widely deployed LAN/WAN standards. BellSouth Metro Ethernet Service supports IEEE Standard 802.3, 802.3u and 802.3z transmission standards.
- (H) A Metro Ethernet Customer Network is defined as the set of interconnected Metro Ethernet connections assigned to the same VLAN within the BellSouth core network. Premium Connections that include the Q-Forwarding optional feature described in (O) and Virtual Connections that include the VLAN Aggregation optional feature described in (P) following may be part of more than one Metro Ethernet Customer Network.



ACCESS SERVICE

7 – Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.18 BellSouth Metro Ethernet Service (Cont'd)

- (I) A Basic BellSouth Metro Ethernet Service Connection provides 2 Mbps, 4 Mbps, 8 Mbps, 10 Mbps, 100 Mbps and 1 Gbps Ethernet capabilities that are a part of a BellSouth Metro Ethernet Service network within a metropolitan area. Basic BellSouth Metro Ethernet Service is a best effort service with service capabilities that are affected by overall traffic on the Basic BellSouth Metro Ethernet Service network and is suitable for data transmission only.

A Basic BellSouth Metro Ethernet Service connection operating at any of these speeds is capable of interconnecting with other Basic BellSouth Metro Ethernet Service Connections that are operating at any of these speeds in the same metropolitan area.

A Basic BellSouth Metro Ethernet Service connection provides data channel transport that connects customer premises<sup>1</sup> that are 10 miles or less in distance from the BellSouth Metro Ethernet Service wire center associated with the Basic BellSouth Metro Ethernet Service Connection. Customer locations<sup>1</sup> greater than 10 miles from the Basic BellSouth Metro Ethernet Service wire center also require BellSouth Metro Ethernet Service Additional Mileage charges.

- (J) A Premium BellSouth Metro Ethernet Service Connection provides 2 Mbps, 4 Mbps, 8 Mbps, 10 Mbps, 20 Mbps, 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps and 900 Mbps Ethernet capabilities that are a part of a BellSouth Metro Ethernet Service network within a metropolitan area. Premium BellSouth Metro Ethernet Service provides the ability to order Ethernet Service with improved service characteristics to meet customer needs regarding the assurance of bandwidth availability.

Premium BellSouth Metro Ethernet Service provides customer capabilities to assure service characteristics via ordering a Committed Bandwidth (CBW). A CBW is the minimum bandwidth across the BellSouth Metro Ethernet Service network within a metropolitan area between a customer's Premium BellSouth Metro Ethernet Service locations.

Premium BellSouth Metro Ethernet Service Connections are available with "Fixed" and "Burst" capabilities unless specified otherwise<sup>2</sup>. With the Fixed arrangement, Premium BellSouth Metro Ethernet Service Connections will have the bandwidth ordered (e.g., 10 Mbps) available across the BellSouth Metro Ethernet Service network. With the Burst arrangement, Premium BellSouth Metro Ethernet Service Connections will have the ability to send burst of data above their CBW rate, if network capacity is available. For example, a 10 Mbps, a 20 Mbps and a 50 Mbps Connection may Burst up to 100 Mbps, while a 100 Mbps, a 250 Mbps and a 500 Mbps Connection may Burst up to 1 Gbps.

Note 1: And as alternatively set forth in 7.4.32.(A)(5),(6) and (7). (C)

Note 2: Premium Connections at 2 Mbps, 4 Mbps, 8 Mbps and 900 Mbps are available only as Fixed arrangements (i.e., "Burst" capability is not available).

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ISSUED: AUGUST 14, 2006

TARIFF F.C.C. NO. 1  
3RD REVISED PAGE 7-58.22  
CANCELS 2ND REVISED PAGE 7-58.22  
EFFECTIVE: AUGUST 15, 2006

#### ACCESS SERVICE

#### 7 – Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

#### 7.2.18 BellSouth Metro Ethernet Service (Cont'd)

##### (J) (Cont'd)

A Premium BellSouth Metro Ethernet Service Connection operating at any of these speeds is capable of interconnecting with other Premium BellSouth Metro Ethernet Service Connections that are operating at any of these speeds in the same metropolitan area.

A Premium BellSouth Metro Ethernet Service Connection provides data channel transport that connects customer premises<sup>1</sup> that are 10 miles or less in distance from the BellSouth Metro Ethernet Service wire center associated with the Premium BellSouth Metro Ethernet Service Connection. Customer locations<sup>1</sup> greater than 10 miles from the Premium BellSouth Metro Ethernet Service wire center also require BellSouth Metro Ethernet Service Additional Mileage charges.

##### (K) A Dedicated BellSouth Metro Ethernet Service Connection provides 100 Mbps and 1 Gbps point-to-point Ethernet capabilities that are part of a BellSouth Metro Ethernet Service network within a metropolitan area. A Dedicated BellSouth Metro Ethernet Service Connection operating at either of these speeds is only capable of interconnecting with one other Dedicated BellSouth Metro Ethernet Service Connection in the same metropolitan area.

A Dedicated BellSouth Metro Ethernet Service Connection provides data channel transport that connects customer premises<sup>2</sup> that are 10 miles or less in distance from the BellSouth Metro Ethernet Service wire center associated with the Dedicated BellSouth Metro Ethernet Service Connection. Customer locations<sup>2</sup> greater than 10 miles from the Dedicated BellSouth Metro Ethernet Service wire center also require BellSouth Metro Ethernet Service Additional Mileage charges.

(T)

(T)

Note 1: And as alternatively set forth in 7.4.32.(A)(5),(6) and (7).

(N)

Note 2: And as alternatively set forth in 7.4.32.(A)(5) and (6).

(T)

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TARIFF F.C.C. NO. 1  
2ND REVISED PAGE 7-58.22.1  
CANCELS 1ST REVISED PAGE 7-58.22.1  
EFFECTIVE: AUGUST 15, 2006

#### ACCESS SERVICE

#### 7 – Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

#### 7.2.18 BellSouth Metro Ethernet Service (Cont'd)

- (L) A Virtual BellSouth Metro Ethernet Service Connection provides 2 Mbps, 4 Mbps, 8 Mbps, 10 Mbps, 20 Mbps, 50 Mbps, 80 Mbps, 100 Mbps, 200 Mbps, 300 Mbps, 450 Mbps, 600 Mbps, 750 Mbps and 900 Mbps Ethernet capabilities that are a part of a BellSouth Metro Ethernet Service network within a metropolitan area. Virtual BellSouth Metro Ethernet Service provides the ability to order Ethernet Service where a single customer connection can support multiple applications with varying Quality of Service (QoS) features and Classes of Service.

Virtual BellSouth Metro Ethernet Service provides customer capabilities to support different Classes Of Service (COS) (i.e., Real-Time, Interactive, Business Critical and Best Effort as described in 7.2.18(T)) over the same Connection and offers customers increased flexibility to match bandwidth to their real needs for voice/data/video applications on each Connection. The customer orders the percentage of their Virtual BellSouth Metro Ethernet Service Connection bandwidth that will be allocated for each class of service.

For each Virtual Connection, the customer's bandwidth will be rate-limited or policed to a fixed speed for each COS level specified in the COS profile selected for the Virtual Connection.

A Virtual BellSouth Metro Ethernet Service Connection operating at any of these speeds is capable of interconnecting with other Virtual BellSouth Metro Ethernet Service Connections that are operating at any of these speeds in the same metropolitan area.

A Virtual BellSouth Metro Ethernet Service Connection provides data channel transport that connects customer premises<sup>1</sup> that are 10 miles or less in distance from the BellSouth Metro Ethernet Service wire center associated with the Virtual BellSouth Metro Ethernet Service Connection. Customer locations<sup>1</sup> greater than 10 miles from the Virtual BellSouth Metro Ethernet Service wire center also require BellSouth Metro Ethernet Service Additional Mileage charges.

Note 1: And as alternatively set forth in 7.4.32.(A)(5), (6) and (7).

(C)

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ISSUED: AUGUST 14, 2006

TARIFF F.C.C. NO. 1  
1ST REVISED PAGE 7-58.22.2  
CANCELS ORIGINAL PAGE 7-58.22.2

EFFECTIVE: AUGUST 15, 2006

#### ACCESS SERVICE

#### 7 – Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

#### 7.2.18 BellSouth Metro Ethernet Service (Cont'd)

- (M) BellSouth Metro Ethernet Service Additional Mileage charges associated with a BellSouth Metro Ethernet Service Connection apply when the total distance from the customer premises<sup>1</sup> to the BellSouth Metro Ethernet Service wire center associated with the service serving the customer premises<sup>1</sup> is greater than 10 miles in length. The additional mileage is measured in airline miles from the customer premises<sup>1</sup> to the BellSouth Metro Ethernet Service wire center associated with the BellSouth Metro Ethernet Service. Fractions of miles will be considered as a whole mile.

BellSouth Metro Ethernet Service Additional Mileage charges apply to Basic, Premium, Dedicated and Virtual BellSouth Metro Ethernet Service based on the service's speed and the total distance associated with the data channel. The BellSouth Metro Ethernet Service Additional Mileage Charge is based on the mileage band the total data channel mileage falls into. For example, a data channel that is 30 miles in length would be charged the additional mileage rate for the greater than 25 mile through 35 mile band.

**Note 1:** And as alternatively set forth in 7.4.32.(A)(5), (6) and (7).

(C)

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ACCESS SERVICE

7 – Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.18 BellSouth Metro Ethernet Service (Cont'd)

- (N) Priority Plus is an optional feature available to customers with Premium BellSouth Metro Ethernet Service. Priority Plus provides the customer with the ability to prioritize their traffic in accordance with a predefined hardware queue model approach. With this option, customers will assign priority values to their data and higher-priority data will be transmitted first. Priority Plus service traffic is limited to a small subset of the total Committed Bandwidth (CBW) traffic and is marked for expedited handling within the Metro Ethernet Service. Customers that desire Priority Plus must establish it for all of their Premium BellSouth Metro Ethernet Service Connections within that Metro Ethernet Customer Network.
- (0) Q-Forwarding is an optional feature available to customers with Premium BellSouth Metro Ethernet Service. Q-Forwarding provides VLAN aggregation across a common physical connection. This feature supports customer aggregation of traffic from multiple Metro Ethernet Customer Networks (referred to as VLANS). This aggregated traffic can be transported back to a central location and across a common Metro Ethernet Service Connection (referred to as the "aggregation" connection). Q-Forwarding utilizes IEEE 802.1Q VLAN Tagging procedures.

With Q-Forwarding, special technical considerations set forth in Technical Reference 73632 must be taken into account to determine the customer's CBW across their BellSouth Metro Ethernet Network.

While Q-Forwarding is available with BellSouth Premium Metro Ethernet Connections at 2 Mbps, 4 Mbps and 8 Mbps, this feature is subject to technical limitations set forth in Technical Reference 73632 when used with these speed connections.

(N)  
(N)  
(N)  
(N)

The Q-Forwarding Service Establishment Charge is a charge to provision a Premium Metro Ethernet Connection with the Q-Forwarding feature and identify it as an "aggregation" connection.

The Q-Forwarding Network Assignment Charge is a charge to provision each Metro Ethernet Customer Network to the Q-Forwarding "aggregation" connection. The Q-Forwarding Network Assignment Charge applies for each VLAN connected to the Q-Forwarding "aggregation" connection.

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ISSUED: JUNE 29, 2006

TARIFF F.C.C. NO. 1  
1ST REVISED PAGE 7-58.23.1  
CANCELS ORIGINAL PAGE 7-58.23.1

EFFECTIVE: JUNE 30, 2006

## ACCESS SERVICE

### 7 – Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.18 BellSouth Metro Ethernet Service (Cont'd)

- (P) VLAN Aggregation is an optional feature available to customers with Virtual BellSouth Metro Ethernet Service. VLAN Aggregation provides VLAN aggregation across a common physical connection. This feature supports customer aggregation of traffic from multiple Metro Ethernet Customer Networks (referred to as VLANS) comprised of Virtual Connections. This aggregated traffic can be transported back to a central location and across a common Virtual Metro Ethernet Service Connection (referred to as the "aggregation" connection). VLAN Aggregation utilizes IEEE 802.1Q VLAN Tagging procedures.

While VLAN Aggregation is available with BellSouth Virtual Metro Ethernet Connections at 2 Mbps, 4 Mbps and 8 Mbps, this feature is subject to technical limitations set forth in Technical Reference 73632 when used with these speed connections.

(N)  
(N)  
(N)  
(N)

The VLAN Aggregation "Service Establishment Charge" is a charge to provision a Virtual Metro Ethernet Connection with this feature and identify it as an "aggregation" connection.

The VLAN Aggregation "Network Assignment Charge" is a charge to provision each Virtual Ethernet Customer Network to the "aggregation" connection. The Network Assignment Charge applies for each VLAN connected to the "aggregation" connection.

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ISSUED: MAY 15, 2006

TARIFF F.C.C. NO. 1  
1ST REVISED PAGE 7-58.24  
CANCELS ORIGINAL PAGE 7-58.24

EFFECTIVE: MAY 16, 2006

## ACCESS SERVICE

### 7 – Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.18 BellSouth Metro Ethernet Service (Cont'd)

- (Q) Metro Ethernet Reporting is an optional feature available to customers with Premium or Virtual BellSouth Metro Ethernet Service. Metro Ethernet Reporting provides customers a view into their BellSouth Metro Ethernet Service network via the use of a web interface and security card. Metro Ethernet Reporting provides alarm surveillance, service level agreement reporting and performance reporting for the various network components that comprise the customer's BellSouth Metro Ethernet Service network. This feature is only available to customers purchasing Premium or Virtual BellSouth Metro Ethernet Service. (C)  
(C)  
(C)

Customers who subscribe to Metro Ethernet Reporting must monitor their entire BellSouth Metro Ethernet Network. The Metro Ethernet Reporting Charge is applicable for each Premium or Virtual Metro Ethernet Service Connection. (C)

The Metro Ethernet Reporting Service Establishment Charge is a nonrecurring charge that applies to initially establish a new Metro Ethernet Service customer account. A customer with an existing Metro Ethernet Reporting customer account from another BellSouth jurisdiction may re-use that customer account.

All customers purchasing Metro Ethernet Reporting must have a web interface that will allow the customer to access and monitor their network via the web. Each web interface provides for one concurrent access. Additional concurrent accesses will require additional web interfaces. An initial web interface (Web Interface Charge - First) is provided with the initial establishment of a customer account. A monthly charge and a nonrecurring charge are applicable for each additional web interface requested for a customer account (Web Interface Charge – Each Additional).

A security card is required to access a web interface. Each security card can only be used for a single concurrent access and can be associated with only one web interface. A Security Card Charge will apply for the initial and additional cards requested and for the issuance of additional cards to replace lost, damaged or expired cards. A nonrecurring charge is applicable per security card requested.

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ISSUED: MAY 15, 2006

TARIFF F.C.C. NO. 1  
1ST REVISED PAGE 7-58.25  
CANCELS ORIGINAL PAGE 7-58.25

EFFECTIVE: MAY 16, 2006

## ACCESS SERVICE

### 7 – Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.18 BellSouth Metro Ethernet Service (Cont'd)

- (R) BellSouth Metro Ethernet Service Customer networks comprised of Premium Connections or Virtual Connections with Metro Ethernet Reporting are provided Service Level Agreements (SLAs) for the Telephone Company's repair and performance commitments for this service. Credits are provided for missed commitments on such service. The specific SLA commitments and credits applicable are set forth in Section 7.4.32(C) for Premium Connections and in Section 7.4.32(D) for Virtual Connections. (C)
- (S) Subsequent to its initial installation, a customer may request to reconfigure or change a BellSouth Metro Ethernet Service Connection. The Service Reconfiguration Charge or System Reconfiguration Charge will be the nonrecurring charge applicable for such a request; the appropriate nonrecurring charge will be based upon the reconfiguration or change requested, as specifically described and set forth in Section 7.4.32. (T)
- (T) For each Virtual BellSouth Metro Ethernet Connection the customer must decide the mix of applications that will be supported on that Connection, the CoS mix that Virtual Connection must support, and the percentage of bandwidth to be assigned for each CoS (i.e., build a CoS profile for each Virtual Connection). The customer's bandwidth will be limited to the fixed speed associated with each CoS level. Therefore, total bandwidth available to support transmission of a specific CoS will depend upon the size of the customer's Connection and the specific CoS percentage the customer selected for that Connection. (N)
- A customer may request a single CoS or up to four CoS to build the CoS Profile for a Virtual Connection. The customer determines the percentage bandwidth each CoS selected should be of the total Virtual Connection's bandwidth. The sum of the percentages for each CoS selected for a Virtual Connection must equal 100%. Additionally, the combined CoS bandwidth percentages selected in a customer's CoS Profile for Real-Time CoS plus Interactive CoS may not exceed 50%, except where the customer selects the 70% Real-Time CoS bandwidth percentage and has no Interactive traffic. (N)
- A customer may select different CoS profiles for different Virtual Connections that share the same network VLAN, or Virtual Connection network arrangement. However, technical limitations exist as discussed in TR-73632 that limit the total number of different CoS profiles that can be utilized in a single Virtual Connection network arrangement. (N)



EFFECTIVE: MAY 16, 2006

## ACCESS SERVICE

(N)

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

(N)

## 7.2 Service Descriptions (Cont'd)

(N)

#### 7.2.18 BellSouth Metro Ethernet Service (Cont'd)

(N)

(T) (Cont'd)

(N)

The CoS and percentage bandwidth selected for a Virtual Connection will define the applications that can be supported and its Quality of Service (QoS) attributes such as traffic priority, latency, packet loss rate, etc. QoS attributes are defined for each CoS. Each Virtual Connection will support Ethernet traffic representing one or more applications and CoS. Virtual Connections support the four following CoS:

(N)

$$(N)$$
$$\begin{pmatrix} N \\ N \end{pmatrix}$$
$$\begin{pmatrix} N \\ N \end{pmatrix}$$

(N)

$$(N)$$

- Real-Time<sup>1</sup>: This CoS supports VoIP applications. The Real-Time CoS is supported by a low latency queue. The Low Latency Queuing (LLQ) feature in the Ethernet network is used for support of the Real-Time CoS.
- Interactive<sup>1</sup>: This CoS supports interactive Video applications. The Interactive CoS is policed to a maximum bandwidth.
- Business Critical: This CoS supports mission-critical business data applications. These applications tend to be data specific and may include medical imaging, electronic funds transfer, medical records transfer, etc.
- Best Effort: This CoS is the default CoS for all other traffic that is not defined as Business Critical, Real-Time or Interactive. Traffic that does not match the other CoS will be mapped as Best Effort. Traffic with the Best Effort CoS will have the lowest priority on the network and will support lower priority data applications, such as email and file transfer protocol (FTP).

(N)

$$(N)$$
$$\begin{pmatrix} N \\ N \end{pmatrix}$$

(N)

(N)

$$(N)$$

(M)

$$\begin{pmatrix} N \\ N \end{pmatrix}$$
$$\begin{pmatrix} N \\ N \end{pmatrix}$$
$$(N)$$

(41)

$$\begin{pmatrix} N \\ N \end{pmatrix}$$

(N)

$$\begin{pmatrix} N \\ N \end{pmatrix}$$
$$(N)$$

(N)

Each customer packet from a Virtual Connection will be classified and assigned to a specific CoS by methods identified in TR-73632.

(N)

$$(N)$$

Note 1: The combined CoS bandwidth percentages selected in a customer's Virtual Connection CoS profile for Real-Time CoS plus Interactive CoS may not exceed 50%, except where the customer selects the 70% Real-Time CoS bandwidth percentage and has no Interactive traffic.

(N)

$$(N)$$
$$\begin{pmatrix} N \\ N \end{pmatrix}$$

(N)

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TARIFF F.C.C. NO. 1  
2ND REVISED PAGE 7-58.26  
CANCELS 1ST REVISED PAGE 7-58.26

EFFECTIVE: JUNE 30, 2006

## ACCESS SERVICE

### 7 – Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.18 BellSouth Metro Ethernet Service (Cont'd)

(U) Automatic Protection Switching (APS) is an optional feature available, except as specified otherwise herein, to customers with a Basic, Premium or Virtual BellSouth Metro Ethernet Service Connection of 10 Mbps or higher<sup>1</sup>. The APS feature provides customers with the option of having data channel (i.e., facilities from the customer premises to the BellSouth Metro Ethernet Service wire center) survivability through the use of a secondary transport path that is diverse from the path provided with their primary Metro Ethernet Connection. This secondary transport path (i.e., data channel) is provided for a specific Metro Ethernet Connection (i.e., the primary) with the selection of the APS feature which then provides the customer with complete path protection. (C)  
(C)

With APS, the primary Metro Ethernet Connection's data channel is monitored for threshold violations or path failures with a fail-over to the secondary data channel path provided via the APS feature. The APS data channel is checked periodically to ensure its availability if a failure of the primary Metro Ethernet Connection's data channel occurs.

APS may be ordered as a structurally diverse transport path (Structural Protection) or a route diverse transport path (Route Protection).

Structural Protection APS is defined as the APS facility and the primary Metro Ethernet Connection facility being in separate sheaths in separate structures located along the same route (e.g., underground/underground, buried/underground, aerial/underground, aerial/buried, buried/buried, and aerial/aerial), or along different routes at the Telephone Company's discretion.

Route Protection APS is defined as the APS facility being in a separate sheath within alternate underground, aerial or direct buried structures that are run along separate physical paths from the facilities associated with the primary Metro Ethernet Connection. No precise distance separation is specified between the paths; although the separation is sufficient to preclude one disruptive event from affecting both routes.

Note 1: Automatic Protection Switching (APS) is not available for a 2 Mbps, 4 Mbps or 8 Mbps Basic, Premium or Virtual Connection. (N)  
(N)

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TARIFF F.C.C. NO. 1  
1ST REVISED PAGE 7-58.27  
CANCELS ORIGINAL PAGE 7-58.27

EFFECTIVE: MAY 16, 2006

## ACCESS SERVICE

### 7 – Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.2 Service Descriptions (Cont'd)

##### 7.2.18 BellSouth Metro Ethernet Service (Cont'd)

###### (U) Automatic Protection Switching (APS) (Cont'd)

(T)

The APS feature is billed based upon the actual total route miles in a customer's specific Structural Protection APS or Route Protection APS design as determined by the Telephone Company. The term "route miles" is defined for this application to be the actual physical distance or length (not airline mileage), rounded up to the next whole mile, of the unique APS facility designed for each individual customer premises. Total route miles are measured between the customer premises and its serving wire center, plus route miles between the serving wire center and any intermittent wire centers in the path designed to reach the BellSouth Metro Ethernet wire center associated with the primary Metro Ethernet Connection (i.e., the wire center where the BellSouth Metro Ethernet switching equipment is located).

The APS rate element provides the alternate data channel transport and APS equipment in the BellSouth Metro Ethernet Service wire center associated with the primary Metro Ethernet Connection. Actual total route mileage for the customer's APS design is determined from a Service Inquiry. The route mileage determined from this Telephone Company Service Inquiry is used for billing purposes and is the sole determinant of such mileage (i.e., not subject to dispute).

## ACCESS SERVICE

### 7- Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.3 Channel Interface and Network Channel Codes

This section explains the Channel Interface codes and Network Channel codes that the customer must specify when ordering Special Access (a.k.a. BellSouth SPA) Service. Included is an example, which explains the specific characters of the code, a glossary of Channel Interface codes, impedance levels, Network Channel codes and Compatible Channel Interface Codes. These items are contained in the services' respective Technical Reference Publications as indicated in 7.3.5 following.

This section is not applicable to BellSouth ADSL service as set forth in Section 28 of this Tariff.

(T)  
(T)

Example: If the customer specifies a NT Network Channel Code and a 2DC8-3 Channel Interface at the customer's premises, the following is being requested:

NT = Metallic Channel with a Predefined Technical Specification Package (1)  
2 = Number of physical wires at customer premises  
DC = Facility interface for direct current or voltage  
8 = Variable impedance level  
3 = Metallic facilities (DC continuity) for direct current/low frequency control signals or slow speed data (30 baud)

#### 7.3.1 Glossary of Channel Interface Codes and Options

<u>Code</u>	<u>Option</u>	<u>Definition</u>
AB	-	accepts 20 Hz ringing signal at customer's point of termination
AC	-	accepts 20 Hz ringing signal at customer's end user's point of termination
AH	-	analog high capacity interface
	-B	60 kHz to 108 kHz (12 channels)
	-C	312 kHz to 552 kHz (60 channels)
	-D	564 kHz to 3084 kHz (600 channels)
CM	-	SONET Add/Drop Multiplexer Termination
	-1	DS1 Low Speed Port Termination
	-3	DS3 Low Speed Port Termination
	-S	STS-1 Middle Speed Port Termination
	-C3	OC-3 Middle Speed Port Termination
	-C12	OC-12 Middle Speed Port Termination
	-C48	OC-48 Middle Speed Port Termination

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 5TH REVISED PAGE 7-60  
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 EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

### 7- Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

Code	Option	Definition
CT	-	Centrex Type Services Tie Trunk Termination
CS	-	digital hierarchy interface at Digital Crossconnect System (DCS)
-	1S	1.544 Mbps (DS1) ANSI Extended Superframe (ESF) Format and B8ZS Clear Channel Capability per TR-INS-000342
-	15	1.544 Mbps (DS1) Superframe (SF) format per TR-INS-000342
-	15B	1.544 Mbps (DS1) Superframe (SF) Format and B8ZS Clear Channel Capability per TR-INS-000342
-	1K	1.544 Mbps (DS1) ANSI Extended Superframe (ESF) format per TR-INS-000342
-	EA	E & M Signaling
-	GO	Ground Start Loop Signaling-Open End
-	GS	Ground Start Loop Signaling-Closed End
-	LO	Loop Start Loop Signaling-Open End
-	LS	Loop Start Loop Signaling-Closed End
-	NO	Transmission Only - No Signaling
-	R	(DS0) Customer Reconfigurable Voice Grade Service (a.k.a. BellSouth SPA DS0 VG)
-	10R	DS1 to DS0 Customer Reconfigurable
-	10	DS1 to DS0
-	11R	DS1 to DS1 Customer Reconfigurable
-	11	DS1 to DS1
-	30R	DS3 to DS0 Customer Reconfigurable
-	30	DS3 to DS0
-	31R	DS3 to DS1 Customer Reconfigurable
-	31	DS3 to DS1
-	33R	DS3 to DS3 Customer Reconfigurable
-	33	DS3 to DS3
-	SP	Resistive Type: Split Path Operation for Data Polling Conference Type
-	CF	Resistive Type: Split Path Operation for Symmetrical Voice Conference Type
-	BC	CO Bridging: Broadcast for Broadcast Conference Type

(T)

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TARIFF F.C.C. NO. 1  
4TH REVISED PAGE 7-61  
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EFFECTIVE: DECEMBER 16, 1996

#### ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

(T)

### 7.3 Channel Interface and Network Channel Codes (Cont'd)

#### 7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
DA -		data stream in VF frequency band at customer's end user's point of termination
DB -		data stream in VF frequency band at customer's point of termination
	- 10	VF for TG1 and TG2
	- 43	VF for 43 Telegraph Carrier type signals, TG1 and TG2
DC -		direct current or voltage
	- 1	monitoring interface with series RC combination (McCulloh format)
	- 2	Telephone Company energized alarm channel
	- 3	Metallic facilities (DC continuity) for direct current/low frequency control signals or slow speed data (30 baud)
DM -		
	4	2400 bps 201B type modem operation
	- 5	4800 bps 208A type modem operation
	- 6	9600 bps CCITT V.29 type modem
	- 9PA	Modem operation CCITT V.32 (2-wire at 9600 bps) Asynchronous, Packet Switch Interconnect
DN -		
	- 9P	Modem operation CCITT V.32 (4-wire at 9600 bps) BellSouth only, TR-73516, Issue C.
DS -		digital hierarchy interface
	- 1K	1.544 Mbps (DS1) ANSI Extended Superframe (ESF) Format per TR-INS-000342
	- 1S	1.544 Mbps (DS1) ANSI Extended Superframe (ESF) Format and B8ZS Clear Channel Capability per TR-INS-000342
	- 15	1.544 Mbps (DS1) Superframe (SF) format per TR-INS-000342
	- 15B	1.544 Mbps (DS1) Superframe (SF) Format and B8ZS Clear Channel Capability per TR-INS-000342

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TARIFF F.C.C. NO. 1  
1ST REVISED PAGE 7-61.1  
CANCELS ORIGINAL PAGE 7-61.1  
EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

### 7.3 Channel Interface and Network Channel Codes (Cont'd)

#### 7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
-	15E	8-bit PCM encoded in one 64 kbps of the DS1 signal
-	15F	8-bit PCM encoded in two 64 kbps of the DS1 signal
-	15G	8-bit PCM encoded in three 64 kbps of the DS1 signal
-	15H	14/11-bit PCM encoded in six 64 kbps of the DS1 signal
-	15J	1.544 Mbps format per TR-NPL-000054 (only available to U.S. Gov't agencies)

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## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.3 Channel Interface and Network Channel Codes (Cont'd)

##### 7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
- 31		3.152 Mbps (DS1C)
- 31L		3.152 Mbps (DS1C) with SF signaling
- 44		44.736 Mbps (DS3)
- 63		6.312 Mbps (DS2)
- 63L		6.312 Mbps (DS2) with SF signaling
DU -		digital access interface
- 19 (S)*		19.2 Kbps
- 24 (S)*		2.4 kbps
- 48 (S)*		4.8 kbps
- 56 (S)*		56.0 kbps
- 64		64.0 Kbps
- 96 (S)*		9.6 kbps
- 1KN		DS1 (1.544 Mbps) ANSI Extended Superframe (ESF) Format per TR-NPL-000054 without line power
- 1SN		DS1 (1.544 Mbps) ANSI Extended Superframe (ESF) Format per TR-NPL-000054, with B8ZS Clear Channel Capability and without line power
- A		DS1 (1.544 Mbps) free-framing format per MDP 326-463 with line power (only avail. to U.S. Govt. agencies)
- AN		DS1 (1.544 Mbps) free-framing format per MDP 326-463 without line power (only avail. to U.S. Govt. agencies)
- BN		DS1 (1.544 Mbps) Superframe (SF) Format per TR-NPL-000054 without line power
- DN		DS1 (1.544 Mbps) Superframe (SF) Format per TR-NPL-000054, with B8ZS Clear Channel Capability without line power
DV -		Data and Voice Multiplexing
- BC		Digital Data Over Voice, 9.6 Kbps
DX -		duplex signaling interface at customer's point of termination
EA - E		Type I E&M Lead Signaling. Customer at POT or customer's end user at POT originates on E Lead.

\*(S) is an additional Telephone Company designation for use when the Optional Secondary Channel feature is required.



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2ND REVISED PAGE 7-63  
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EFFECTIVE: DECEMBER 16, 1996

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7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

### 7.3 Channel Interface and Network Channel Codes (Cont'd)

#### 7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
EA	- M	Type I E&M Lead Signaling. Customer at POT or customer's end user at POT originates on M Lead.
EB	- E	Type II E&M Lead Signaling. Customer at POT or customer's end user at POT originates on E Lead.
EB	- M	Type II E&M Lead Signaling. Customer at POT or customer's end user at POT originates on M Lead.
EC	-	Type III E&M signaling at customer POT
EX	- A	tandem channel unit signaling for loop start or ground start and customer supplies open end (dial tone, etc.) functions.
EX	- B	tandem channel unit signaling for loop start or ground start and customer supplies closed end (dial pulsing, etc.) functions.
GO	-	ground start loop signaling - open end function by customer or customer's end user
GS	-	ground start loop signaling - closed end function by customer or customer's end user
	- C	Centrex Type Services foreign exchange termination
	- M	for terminating in central office located answering service concentrate or
LA	-	end user loop start loop signaling - Type A OPS registered port open end
LB	-	end user loop start loop signaling - Type B OPS registered port open end
LC	-	end user loop start loop signaling - Type C OPS registered port open end
LO	-	loop start loop signaling - open end function by customer or customer's end user

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EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.3 Channel Interface and Network Channel Codes (Cont'd)

##### 7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
LR	-	20 Hz automatic ringdown interface at customer with Telephone Company provided PLAR
	- A	D4 type PLAR channel unit signaling format**
	- B	D3 type PLAR channel unit signaling format**
LS	-	loop start loop signaling - closed end function by customer or customer's end user
	- M	for terminating in central office located answering service concentrator
NO	-	no signaling interface, transmission only
PG	-	program transmission - no dc signaling
	- 1	nominal frequency from 50 to 15000 Hz
	- 3	nominal frequency from 200 to 3500 Hz
	- 5	nominal frequency from 100 to 5000 Hz
	- 8	nominal frequency from 50 to 8000 Hz
PR	-	protective relaying*
RV	- 0	reverse battery signaling, one way operation, originate by customer
	- T	reverse battery signaling, one way operation, terminate function by customer or customer's end user
SF	-	single frequency signaling with VF band at either customer POT or customer's end user POT
TF	-	telephotograph interface
TT	-	telegraph/teletypewriter interface at either customer POT or customer's end user POT
	- 2	20.0 milliamperes
	- 3	3.0 milliamperes
	- 6	62.5 milliamperes

\* Available only for the transmission of audio tone protective relaying signals used in the protection of electric power systems during fault conditions.

\*\* Availability limited to locations with embedded technology.

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## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.3 Channel Interface and Network Channel Codes (Cont'd)

##### 7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
TV	-	television interface
	- 1	combined (diplexed) broadcast quality video (a.k.a. BellSouth SPA Broadcast Quality Video) and two or four audio signals.
	- 3	Commercial quality video (a.k.a. BellSouth SPA Commercial Quality Video) and two 15 kHz audio signals
	- 15A	DS3 Digital Video (a.k.a. BellSouth SPA DS3 Digital Video) plus one to four associated audio 15 kHz signal(s)
WA	-	wideband bandwidth interface at customer's end user POT
	- 1	limited bandwidth
	- 2	nominal passband from 29000 to 44000 Hz
WB	-	wideband data interface at customer POT
	- 18S	18.75 kbps, synchronous
	- 19A	up to 19.2 kbps asynchronous
	- 19S	19.2 kbps synchronous
	- 23A	up to 230.4 kbps, asynchronous
	- 23S	230.4 kbps, synchronous
	- 40S	40.8 kbps, synchronous
	- 50A	up to 50.0 kbps, asynchronous
	- 50S	50.0 kbps, synchronous
WC	-	wideband data interface at customer's end user POT
	- 18	18.75 kbps, synchronous
	- 19	for 12-wire interface: 19.2 kbps, synchronous for 10-wire interface: up to 19.2 kbps, asynchronous
	- 23	up to 230.4 kbps, asynchronous
	- 23S	230.4 kbps, synchronous
	- 40	40.8 kbps, synchronous
	- 50	for 12-wire interface: 50.0 kbps, synchronous for 10-wire interface: up to 50.0 kbps, asynchronous
WD	-	wideband bandwidth interface at customer POT
	- 1	nominal passband from 300 to 18000 Hz
	- 2	nominal passband from 28000 to 44000 Hz

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TARIFF F.C.C. NO. 1  
4TH REVISED PAGE 7-66  
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EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.3 Channel Interface and Network Channel Codes (Cont'd)

##### 7.3.2 Impedance

The nominal reference impedance with which the channel will be terminated for the purpose of evaluating transmission performance:

<u>Value (ohms)</u>	<u>Code(s)</u>
110	0
150	1
600	2
900	3+
135	5
75	6
124	7
Variable	8
100	9
Fiber	F

##### 7.3.3 Digital Hierarchy Channel Interface Codes

iCustomer's selecting the channelized four-wire DS1 or higher facility interface option at the customer designated premises will be requested to provide subsequent system and channel assignment data. Capacity is stated in terms of the digital bit rate or equivalent channel capacity as indicated below:

<u>Interface Code and Speed Option</u>	<u>Digital Hierarchy Level</u>
4DS9-1__	DS1
4DS6-44A	1 DS3
4ST6-A	1 STS-1
4DS6-44C	3 DS3's
4S0F----	1 OC-N*
4DS6-44G	12 DS3's
4DS6-44N	24 DS3's

+For those interface codes with a 4-wire transmission path at the customer designated POT, rather than a standard 900 ohm impedance, the code (3)denotes a customer provided transmission equipment termination. Such terminations were provided to customers in accordance with the F.C.C. Docket No. 20099 ettlement Agreement.

The SONET hierarchy level is specified in the Network Channel Code, character ositions 1 and 2. Code 0B indicates the OC-3 level.

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TARIFF F.C.C. NO. 1  
4TH REVISED PAGE 7-67  
CANCELS 3RD REVISED PAGE 7-67  
EFFECTIVE: SEPTEMBER 1, 1998

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### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.3 Channel Interface and Network Channel Codes (Cont'd)

##### 7.3.4 Service Designator/Network Channel Code Conversion Table

The purpose of this table is to show the relationship between the service designator codes (e.g. VGC, MT2, etc.) and the network channel codes that are used for various administrative purposes.

<u>Service Designator Code</u>	<u>Network Channel Code</u>
MTC	MQ
MT1	NT
MT2	NU
MT3	NV
TGC	NQ
TG1	NW
TG2	NY
VGC	LQ
VG1	LB
VG2	LC
VG3	LD
VG4	LE
VG5	LF
VG6	LG
VG7	LH
VG8	LJ
VG9	LK
VG10	LN
VG11	LP
VG12	LR
APC	PQ
AP1	PE
AP2	PF
AP3	PJ
AP4	PK
TVC	TQ
TV1	TV
TV3	TZB
TVID	TZD
TVD	TZD
WA1	WJ
WA1T	WQ
WA2	WL
WA2A	WR

(D)

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TARIFF F.C.C. NO. 1  
5TH REVISED PAGE 7-68  
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EFFECTIVE: DECEMBER 16, 1996

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7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.4 Service Designator/Network Channel Code Conversion Table (Cont'd)

<u>Service Designator Code</u>	<u>Network Channel Code</u>
WA3	WN
WA4	WP
WD1	WB
WD2	WE
WD3	WF
DA1	XA
DA2	XB
DA3	XG
DA4	XH
DA5	XE
DA6	YN
HCO	HS
HC1	HC
HC1C	HD
HC2	HE
HC3	HF
HC5	HH-S
HC14T	HK-A
HC16T	HK-B
WAL	SE
WAL	SF

Certain material previously appearing on this Page now appears on Original  
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TARIFF F.C.C. NO. 1  
1ST REVISED PAGE 7-68.1  
CANCELS ORIGINAL PAGE 7-68.1

EFFECTIVE: MARCH 27, 1999

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.3 Channel Interface and Network Channel Codes (Cont'd)

##### 7.3.4 Service Designator/Network Channel Code Conversion Table (Cont'd)

##### 7.3.5 Compatible Channel Interfaces (Cont'd)

Channel interface codes (CIs) which are compatible are shown in the following Technical References for each category of service:

(A) Metallic (a.k.a. BellSouth SPA Metallic)	TR-NPL-000336	
(B) Telegraph Grade (a.k.a. BellSouth SPA Telegraph)	TR-NPL-000336	
(C) Voice Grade (a.k.a. BellSouth SPA DSO VG)	TR-TSY-000335 MDP 326-584	
(D) Program Audio (a.k.a. BellSouth SPA Program Audio)	TR-NPL-000337	
(E) Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video) Service	TR-73608 (BellSouth)	(T)
Commercial Quality Video (a.k.a. BellSouth SPA Commercial Quality Video) Service	TR-73611(BellSouth)	(T)
DS3 Digital Video Service (a.k.a. BellSouth SPA DS3 Digital Video)	TR-73583 (BellSouth)	
Uncompressed Switched Video Service (a.k.a. BellSouth SPA Uncompressed Switched Video)	TR-73607(BellSouth)	(T)
BellSouth SPA Modular Video Transport Service 70 mHz Transport (a.k.a. BellSouth SPA 70 mHz Transport) Service	TR-73606 (BellSouth) TR-73609 (BellSouth)	(T) (T)
(F) Wideband Analog (a.k.a. BellSouth SPA Wideband Analog)	TR-NPL-000339	
(G) Wideband Data (a.k.a. BellSouth SPA Wideband Data)	TR-NPL-000340	

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ISSUED: MARCH 12, 1999

TARIFF F.C.C. NO. 1  
8TH REVISED PAGE 7-69  
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EFFECTIVE: MARCH 27, 1999

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.3 Channel Interface and Network Channel Codes (Cont'd)

##### 7.3.5 Compatible Channel Interfaces (Cont'd)

- |  |   |
|--|---|
| (H) Digital Data Access<br>(a.k.a. BellSouth SPA<br>DSO Digital Data)<br>For 2.4, 4.8, 9.6 & 56.0 kbps<br>For 19.2 kbps<br>For 64.0 kbps | TR-NWT-000341<br>BellCore MDP 326-726<br>INC Bulletin CB-INC-100<br>MDP-326-726 |
| (I) High Capacity (a.k.a. BellSouth<br>SPA High Capacity)  | TR-NPL-000054<br>TR-INS-000342  |
| (J) WATS Access Line (a.k.a. BellSouth<br>SPA WATS Line)   | TR-NWT-000334   |

#### 7.4 Rate Regulations

This section contains the specific regulations governing the rates and charges that apply for Special Access (a.k.a. BellSouth SPA) Service.

##### 7.4.1 Types of Rates and Charges

There are three types of rates and charges. These are monthly rates, daily rates and nonrecurring charges. The rates and charges are described as follows:

###### (A) Monthly Rates

Monthly rates are flat recurring rates that apply each month or fraction thereof that a Special Access (a.k.a. BellSouth SPA) Service is provided. For billing purposes, each month is considered to have 30 days.

###### (B) Daily Rates

Daily rates are flat recurring rates that apply to each 24 hour period or fraction thereof that a Program Audio (a.k.a. BellSouth SPA Program Audio), Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video), or DS3 Digital Video Special Access Service (a.k.a. BellSouth SPA DS3 Digital Video) is provided for part-time or occasional use. For purposes of applying daily rates, the 24 hour period is not limited to a calendar day. (T)

Part-time or occasional Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video), DS3 Digital Video Service (a.k.a. BellSouth SPA DS3 Digital Video) or Program Audio (a.k.a. BellSouth SPA Program Audio) service provided within a consecutive 30-day period will be charged the daily rate, not to exceed an amount equal to the monthly rate. For each subsequent day or part day, a charge equal to 1/30th of the monthly rate shall apply. (T)



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TARIFF F.C.C. NO. 1  
17TH REVISED PAGE 7-70  
CANCELS 16TH REVISED PAGE 7-70

EFFECTIVE: AUGUST 13, 2005

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.1 Types of Rates and Charges (Cont'd)

###### (C) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Special Access (a.k.a. BellSouth SPA) service are: installation of service, installation of optional features and functions, and service rearrangements.

The following list identifies the individual Special Access (a.k.a. BellSouth SPA) services provided under Section 7 of this Tariff which are eligible for credit of nonrecurring charges under "Service Installation Guarantee" found in 2.4.9 preceding: These services are not eligible for the Service Installation Guarantee when the requested installation, move or rearrangement of service interval is four days or less, as measured from the application date of the service order.

Voice Grade (a.k.a. BellSouth SPA DSO VG),  
Program Audio (a.k.a. BellSouth SPA Program Audio),

Wideband Analog (a.k.a. BellSouth SPA Wideband Analog)  
Wideband Data (a.k.a. BellSouth SPA Wideband Data)  
Digital Data Access Service<sup>1</sup> (a.k.a. BellSouth SPA DSO  
Digital Data),  
High Capacity Service (a.k.a. BellSouth SPA High Capacity),  
Dry Fiber  
SMARTRing (a.k.a. BellSouth SPA Dedicated Ring) service  
(Channel interfaces only)  
SMARTPath (a.k.a. BellSouth SPA DS1 Shared Ring) service, and  
SMARTPath DS3 Transport (a.k.a. BellSouth SPA DS3 Shared  
Ring) service

Provided, however, that the following services are not eligible for such credit:

Public Packet Switching Network  
BellSouth Customer Network Management Service (C)  
Derived Data Channel (a.k.a. BellSouth SPA Derived Data)  
Channel service  
Video (a.k.a. BellSouth SPA Video) services  
BellSouth Metro Ethernet Service

Note 1: The Data Over Voice Channel optional feature is not eligible for such credit.

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TARIFF F.C.C. NO. 1  
11TH REVISED PAGE 7-70.1  
CANCELS 10TH REVISED PAGE 7-70.1

EFFECTIVE: SEPTEMBER 1, 1998

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.1 Types of Rates and Charges (Cont'd)

###### (C) Nonrecurring Charges (Cont'd)

###### (1) Installation of Service

###### (a) Local Channels

Nonrecurring charges apply to each Local Channel on each Special Access (a.k.a. BellSouth SPA) service installed. When First and Additional nonrecurring charges apply, they are assessed as follows: When one Local Channel is ordered and installed, it is billed at the First Service Installed charge. For the installation of local channels when more than one of the same type of service between the same locations, for the same customer, is ordered and installed at the same time; one at each location is billed at the First Service Installed charge and the others are billed at the Additional Service Installed charge. Future service requests for the same access services, at a later date, will be treated as new orders and nonrecurring charges for first service and additional service will again apply. For all video services, one nonrecurring charge applies for each Local Channel. (T)

For LightGate service (a.k.a. BellSouth SPA Point to Point Network), one nonrecurring charge applies for each system, SAFT I or II option, and channel interface.

###### (b) Interoffice Channel

The nonrecurring charge for the Interoffice Channel will be applied each time the Interoffice Channel rate element is applicable. For LightGate service (a.k.a. BellSouth SPA Point to Point Network), one nonrecurring charge applies for each system and each channel interface.

The Nonrecurring charges for the Installation of Service are set forth in Section 7.5 following as Nonrecurring Charges for the Local Channel Rate Element and the Interoffice Channel Rate Element.

\*\*\*\*\*

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TARIFF F.C.C. NO. 1  
3RD REVISED PAGE 7-71  
CANCELS 2ND REVISED PAGE 7-71  
EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.1 Types of Rates and Charges (Cont'd)

##### (C) Nonrecurring Charges (Cont'd)

##### (2) Installation of Optional Features and Functions

Nonrecurring charges apply to the installation of Optional Features and Functions available with Special Access (a.k.a. BellSouth SPA) service. The Initial nonrecurring charge applies if the feature or function is installed coincident with the primary service. The Subsequent nonrecurring charge applies if the feature or function is installed after the installation of the primary service. (T)

One nonrecurring charge is applicable to bridging, Public Packet Switching Network, and the Data Over Voice Channel.

First and Additional nonrecurring charges are applicable to activate each individual Central Office Channel Interface of a Basic Channelization System, and are in addition to the nonrecurring charges for the Basic Channelization System. A "First" nonrecurring Central Office Channel Interface nonrecurring charge is applicable to the first Channelization Feature installed coincident with the installation of a Basic Channelization System, per service request. An "Additional" nonrecurring charge applies for each additional Central Office Channel Interface, of the same type, ordered and installed at the same location, for the same customer, at the same time, on the same order request. Future requests for a Central Office Channel Interface(s) on an existing Basic Channelization System will be treated as new requests and will require "First" and "Additional" Central Office Channel Interface nonrecurring charge application, in addition to any other applicable charges.

The nonrecurring charges for the installation of Optional Features and Functions are set forth in Section 7.5 following as nonrecurring charges for Optional Features and Functions associated with the specific services.

\*\*\*\*\*

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TARIFF F.C.C. NO. 1  
3RD REVISED PAGE 7-71.1  
CANCELS 2ND REVISED PAGE 7-71.1  
EFFECTIVE: OCTOBER 16, 2003

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.1 Types of Rates and Charges (Cont'd)

###### (C) Nonrecurring Charges (Cont'd)

###### (3) Service Rearrangements

Service rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements as set forth in 5.6(E) preceding or a change in the physical location of the point of the termination at a customer designated premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts. Changes in the physical location of the point of the termination are treated as moves and are described and charged for as set forth in 7.4.5 following. A change which results from a transfer of service is described and charged as set forth in (4) and 7.5.12 following. (C)

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service.

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ISSUED: MAY 13, 2004

TARIFF F.C.C. NO. 1  
3RD REVISED PAGE 7-72  
CANCELS 2ND REVISED PAGE 7-72

EFFECTIVE: MAY 28, 2004

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

Administrative changes, as identified below, will be made without charge to the customer. Such changes require the continued provision (T) and billing of the Access Service to the same entity (i.e., customer remains responsible for all outstanding indebtedness for the Access Service). Administrative changes are as follows:

- Change of customer name (i.e., the customer of record does not change but rather the customer of record changes its name -- e.g., AT&T-Long Lines to AT&T-Communications),
- Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of equipment,
- Change in billing data (name, address, or contact name or telephone number. The customer of record does not change),
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user contact name or telephone number, and
- Change of jurisdiction.

All other service rearrangements, including physical changes to existing services, will be charged for as follows:

- If the change involves the addition of other customer designated premises to an existing multipoint service, the nonrecurring charge for the local channel rate element(s) being added will apply. Nonrecurring charges for interoffice channel mileage may also apply.
- If the change involves the addition of other customer designated premises to an existing two-point service, resulting in a multipoint circuit configuration, the nonrecurring charge for the local channel rate element(s) being added will apply. Nonrecurring charges for interoffice channel mileage may also apply.

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

- If the change involves the disconnection of customer designated premises from an existing multipoint circuit resulting in a two-point circuit configuration, no charges will apply.
- If the change involves the addition of an optional feature or function which has a separate nonrecurring charge, that nonrecurring charge will apply.
- If the change involves the conversion, or rollover, of DS1 High Capacity (a.k.a. BellSouth SPA DS1) service to LightGate service (a.k.a. BellSouth SPA Point to Point Network), made at a customer's request, then a separate nonrecurring charge(s), as appropriate, will apply to update the Network Channel Interface (NCI) code associated with each Voice Grade (a.k.a. BellSouth SPA DS0 VG) and/or other sub-DS1 level circuit riding the channelized DS1 High Capacity (a.k.a. BellSouth SPA DS1) service(s) being rolled over. This charge will apply only where NCI code updates are requested by the customer. Payment of the nonrecurring charge(s) will be the responsibility of the customer who leases the channelized DS1 High Capacity (a.k.a. BellSouth SPA DS1) service(s) being rolled over. (T)  
(T)  
(T)  
(T)  
(T)
- If the change involves changing the type of signaling on a Voice Grade (a.k.a. BellSouth SPA DS0 VG) service, a charge equal to the Voice Grade (a.k.a. BellSouth SPA DS0 VG) Local Channel rate element nonrecurring charge will apply. When more than one Local Channel with the same type of signaling has the same changes made at the same time between the same locations, for the same customer, the first Local Channel charge is billed at the First Service Installed charge and the other Local Channels are billed Additional Service Installed charges. These charges will apply per service termination affected. (T)  
(T)
- If the change involves an existing Dry Fiber ICB arrangement scheduled to terminate on August 5, 1991, which converts to the standard tariffed dry fiber offering in compliance with the FCC's Memorandum Opinion and Order in FCC Docket 88-136, released July 19, 1991, associated nonrecurring charges will be waived provided that the customer's conversion request is received by August 5, 1991.

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TARIFF F.C.C. NO. 1  
4TH REVISED PAGE 7-74  
CANCELS 3RD REVISED PAGE 7-74

EFFECTIVE: SEPTEMBER 15, 1999

#### ACCESS SERVICE

#### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

#### 7.4.1 Types of Rates and Charges (Cont'd)

#### (C) Nonrecurring Charges (Cont'd)

#### (3) Service Rearrangements (Cont'd)

- A prepayment credit as calculated below will be rendered to customers with rate stabilized arrangements for a DS3 ICB service or a dry fiber ICB service, upon conversion to standard tariff or discontinuance of the ICB arrangement, and subject to the following conditions. A prepayment is considered to have occurred when a customer's ICB nonrecurring charge is higher than the standard tariff nonrecurring charge and the ICB recurring rate is lower than the standard recurring rate. The prepayment credit will be developed by calculating the difference between the nonrecurring ICB charge and the standard corresponding nonrecurring charge(s). The amount will be reduced by the present worth of the monthly rate benefit received from the prepayment. The monthly it is the difference in monthly rates between standard tariff and the lower ICB rate for the number of months service was provided by the Company. A 12% interest rate will be utilized for developing the present worth factor.
- If the change involves changing a DS1 High Capacity (a.k.a. BellSouth SPA DS1) service routed through a customers normal serving wire center to a transmission path routed to an alternate serving wire center as described in 7.2.9(A) preceding, for DS1 Alternate Serving Wire Center, the change will be considered a disconnect of the existing service and full nonrecurring charges will apply for the alternately routed service.
- If the change involves a customer requested change of data transmission rate for an existing Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data) Service circuit, the appropriate nonrecurring charge shall be the Speed Change Charge provided in 7.5.8.(C)(4). This charge shall apply per local channel on each circuit where the speed is requested to be changed. The existing circuit will experience out of service time when the speed change work is conducted. The telephone company will advise the customer the start time when the circuit will be out of service. After the work is completed, the telephone company will notify the customer. When customers choose this option, out of service credits specified in 2.4.4. will not apply. If a customer is not willing to experience out of service time, the request will be treated as a disconnect for the old circuit and a reconnect for the new circuit and full nonrecurring charges will apply. The customer shall specify the disconnect date for the circuit being replaced.

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Certain material previously appearing on this page now appears on 4th Revised Page 7-74.1.

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EFFECTIVE: MARCH 31, 2006

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

- If the change involves changing a customer's DS1 High Capacity (a.k.a. BellSouth SPA DS1) service to BellSouth DS1 Diverse service, all nonrecurring charges appropriate for new BellSouth DS1 Diverse service will apply.
- If the change involves changing (reconfiguring) an existing BellSouth Metro Ethernet Service Connection, appropriate charges provided in 7.4.32 apply.
- If the change involves the addition of a DS3 Network Interface Unit (NIU) to a LightGate service (a.k.a. BellSouth SPA Point to Point Network), SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network), SMARTPath DS3 Transport service (a.k.a. BellSouth SPA DS3 Shared Ring), BellSouth Managed Shared Network service or LightGate service (a.k.a. BellSouth Point-to-Point Network) DS3 ASWC Arrangement non-channelized DS3, the rates and charges shown in 13.3.25 following shall apply in addition to applicable SPA DS3 Service Date Advancement and SPA DS3 Service Date Advancement - Missed Appointment rates and charges as shown in 5.1.1(H) preceding.
- For all other changes, including the addition of optional features without separate nonrecurring charges, a charge equal to a Local Channel rate element nonrecurring charge will apply. When more than one Local Channel of the same type is rearranged in the same manner at the same time between the same locations, for the same customer, the first Local Channel rearranged is billed at the First Service Installed charge and the other Local Channels are billed Additional Service Installed charges. Only one such charge will apply per service termination, per change.
- If the change involves changing a customer's DS1 high capacity (a.k.a. BellSouth SPA DS1) service, as described in 7.2.9 preceding, to SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) the change will be considered a disconnect of the existing service and full nonrecurring charges will apply for the SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring). If the existing DS1 high capacity (a.k.a. BellSouth SPA DS1) service is provided under an Area Commitment Plan agreement, a change to SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) under an Area Commitment Plan agreement will be considered an upgrade and termination liability charges will not apply.

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Certain material previously appearing on this page now appears on Original Page 7-74.2.

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TARIFF F.C.C. NO. 1  
ORIGINAL PAGE 7-74.2

EFFECTIVE: MARCH 31, 2006

ACCESS SERVICE

(N)

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

(N)

7.4 Rate Regulations (Cont'd)

(N)

7.4.1 Types of Rates and Charges (Cont'd)

(N)

(C) Nonrecurring Charges (Cont'd)

(N)

(3) Service Rearrangements (Cont'd)

(N)

(4) Transfer of Service

(M)

When a change in billing data (e.g., name, address, contact name, or telephone number) is requested in association with a change in the customer of record, transfer of service charges, as set forth in 7.5.12 following will apply. Charges are applied on a Billing Account Number (BAN) and per circuit basis.

(M)

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This provision does not apply to BellSouth ADSL service as set forth in Section 28 of this Tariff.

(M)

(M)

Certain material now appearing on this page previously appeared on 7<sup>th</sup> Revised Page 7-74.1.

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TARIFF F.C.C. NO. 1  
4TH REVISED PAGE 7-75  
CANCELS 3RD REVISED PAGE 7-75

EFFECTIVE: OCTOBER 16, 2003

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.2 Surcharge for Special Access (a.k.a. BellSouth SPA) Service

###### (A) General

In addition to the rates and charges described in 7.4.1 preceding, there is a monthly surcharge that applies to Special Access (a.k.a. BellSouth SPA) service.\* The Special Access (a.k.a. BellSouth SPA) Surcharge compensates the Telephone Company for use of the local exchange network when Special Access (a.k.a. BellSouth SPA) service is connected to a PBX or equivalent device which is capable of interconnecting the Special Access (a.k.a. BellSouth SPA) service with local exchange service. (C)

The Telephone Company will automatically bill the surcharge on each Special Access (a.k.a. BellSouth SPA) service installed irrespective of whether the interconnection capability exists in the customer's premises equipment or in a Centrex Type Services switch unless written certification is received from the customer certifying exemption status as set forth in (B) following.

###### (B) Special Access (a.k.a. BellSouth SPA) Surcharge Exemptions

The Special Access service will be exempted from the surcharge if the customer provides the Telephone Company written certification that the Special Access (a.k.a. BellSouth SPA) service termination is one of the following:

- (1) an open-end termination in a Telephone Company switch of an FX line, including CCSA and CCSA-equivalent ONALS; or
- (2) an analog Local Channel that is used for radio or television program transmission; or
- (3) a termination used for TELEX service; or

\* Effective June 1, 1986, Special Access (a.k.a. BellSouth SPA) Surcharge Regulations apply to Special Access (a.k.a. BellSouth SPA) used for WATS Access Lines (a.k.a. BellSouth SPA WATS Lines). On that date, the Telephone Company will begin to bill such surcharge for Special Access (a.k.a. BellSouth SPA) facilities used for WATS Access Lines (a.k.a. BellSouth SPA WATS Lines) presently in service. Payment of any Special Access (a.k.a. BellSouth SPA) Surcharge billed on Special Access (a.k.a. BellSouth SPA) facilities used for WATS Access Lines (a.k.a. BellSouth SPA WATS Lines) in service as of June 1, 1986, may be deferred, without penalty, for up to ninety (90) days from the date of the first bill rendered for such Special Access (a.k.a. BellSouth SPA) Surcharge.

\*\*\*\*\*

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TARIFF F.C.C. NO. 1  
1ST REVISED PAGE 7-76  
CANCELS ORIGINAL PAGE 7-76

EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

### 7.4 Rate Regulations (Cont'd)

7.4.2 Surcharge for Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

(B) Special Access (a.k.a. BellSouth SPA) Surcharge Exemptions (Cont'd) (T)

- (4) a termination that by the nature of its operating characteristics could not make use of Telephone Company common lines; or
- (5) a termination that interconnects either directly or indirectly to the local exchange network where the usage is subject to Carrier Common Line charges\* such as, where the Special Access (a.k.a. BellSouth SPA) service accesses only BellSouth SWA FGA and no local exchange lines, or Special Access (a.k.a. BellSouth SPA) service between customer points of termination or Special Access (a.k.a. BellSouth SPA) service connecting CCSA or CCSA-type equipment (inter-machine trunks); or (T)  
(T)  
(T)  
(T)  
(T)
- (6) a termination that the customer certifies to the Telephone Company is not connected to a PBX or other device capable of interconnecting the special access facility to a local exchange subscriber line.

(C) Exemption Certification

- (1) Special Access (a.k.a. BellSouth SPA) services which are terminated as set forth in (B) preceding will be exempted from the Special Access (a.k.a. BellSouth SPA) Surcharge if the customer provides the Telephone Company with a written notification certifying exemption. Such notification shall be provided by the customer (1) at the time the Special Access (a.k.a. BellSouth SPA) service is ordered or installed; (2) at such time as the Special Access (a.k.a. BellSouth SPA) service is reterminated to a device not capable of interconnecting to the local exchange network, or (3) at such time as the Special Access (a.k.a. BellSouth SPA) service becomes associated with a BellSouth SWA service that is subject to Carrier Common Line charges. (T)  
(T)  
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\* Resellers of WATS Access Line (a.k.a. BellSouth SPA WATS Line) Service may be exempted from paying CCL Charges during the transition period of June 1, 1986 to January 1, 1987. However, they should not be assessed any Special Access (a.k.a. BellSouth SPA) Surcharge on the closed end. (T)  
(T)

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TARIFF F.C.C. NO. 1  
1ST REVISED PAGE 7-77  
CANCELS ORIGINAL PAGE 7-77

EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

### 7.4 Rate Regulations (Cont'd)

7.4.2 Surcharge for Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### (C) Exemption Certification (Cont'd)

- (2) If written certification is not received at the time the Special Access (a.k.a. BellSouth SPA) service is obtained, the surcharge will be applied. Exempt status will become effective on the certification date indicated by the customer, subject to the regulations in (D) following. (T)
- (3) The exemption certification is to be provided by the customer ordering the service. The certification must be signed by the customer or authorized representative and include the category of exemption, as set forth in (B) preceding, for each termination, and the date which the exemption is effective.
- (4) The customer shall also notify the Telephone Company when an exempted Special Access (a.k.a. BellSouth SPA) service is changed or reterminated such that the exemption is no longer applicable. (T)

#### (D) Crediting the Surcharge

The Telephone Company will cease billing the Special Access (a.k.a. BellSouth SPA) Surcharge when certification that the Special Access (a.k.a. BellSouth SPA) service has become exempt from the surcharge, as set forth in (B) preceding is received. If the status of the Special Access (a.k.a. BellSouth SPA) service was changed prior to receipt for the exemption certification, the Telephone Company will credit the customer's account, not to exceed ninety (90) days, based on the effective date of the change specified by the customer in the letter of certification. (T)

#### (E) Application of Rates

- (1) The monthly Special Access (a.k.a. BellSouth SPA) Surcharge applies to Special Access (a.k.a. BellSouth SPA) services arranged, as set forth in (A) preceding, on a per voice equivalent basis as shown in the following example. (T)

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1ST REVISED PAGE 7-78  
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EFFECTIVE: DECEMBER 16, 1996

#### ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.4 Rate Regulations (Cont'd)

7.4.2 Surcharge for Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

##### (E) Application of Rates (Cont'd)

##### (1) (Cont'd)

<u>Special Access Service</u>	<u>Voice Grade Equivalent</u>		<u>Surcharge</u>	<u>Monthly Charge</u>	
Voice Grade (a.k.a. BellSouth SPA DS0 VG)	1	X	\$25.00	\$ 25.00	(T)
Wideband Analog (a.k.a. BellSouth SPA Wideband Analog)					(T)
Group Level	12	X	\$25.00	\$300.00	(T)
DS1	24	X	\$25.00	\$600.00	

(2) In the case of multipoint Special Access (a.k.a. BellSouth SPA) service, one Special Access (a.k.a. BellSouth SPA) Surcharge will apply for each termination at a customer designated premises except that no surcharge applies at the customer designated premises at which the Access Service is connected to Interstate Service. (T)

(3) The Telephone Company will bill the surcharge to the customer who orders the Special Access (a.k.a. BellSouth SPA) service unless the Service is exempt as set forth in (B) preceding. The rate for the Special Access (a.k.a. BellSouth SPA) Surcharge is set forth in 7.5.11 following. (T)

#### 7.4.3 Message Station Equipment Recovery Charge\*

The Message Station Equipment Recovery Charge is a charge to recover that portion of message station equipment that is assigned to Special Access (a.k.a. BellSouth SPA) service. (T)

\* Effective June 1, 1986, Special Access (a.k.a. BellSouth SPA) Message Station Equipment Recovery charges apply to WATS Access Lines (a.k.a. BellSouth SPA WATS Lines). On that date, the Telephone Company will begin to bill such charges for Special Access (a.k.a. BellSouth SPA) facilities used for WATS Access Lines (a.k.a. BellSouth SPA WATS Lines) presently in service. Payment of any message Station Equipment Recovery Charge billed on Special Access (a.k.a. BellSouth SPA) facilities used for WATS Access Lines (a.k.a. BellSouth SPA WATS Lines) in service as of June 1, 1986, may be deferred, without penalty, for up to ninety (90) days from the date of the first bill rendered for such message Station Equipment Recovery Charge. (T)

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ISSUED: DECEMBER 11, 2003

TARIFF F.C.C. NO. 1  
24TH REVISED PAGE 7-79  
CANCELS 23RD REVISED PAGE 7-79

EFFECTIVE: DECEMBER 11, 2003

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.3 Message Station Equipment Recovery Charge (Cont'd)

Pursuant to CC Docket 83-1145 Memorandum Opinion and Order adopted by the Federal Communications Commission on November 8, 1984 and released on November 9, 1984, this charge is assessed only to those customers to which the Special Access (a.k.a. BellSouth SPA) Surcharge applies. The rate for the Message Station Equipment Recovery Charge is set forth in 7.5.10 following.

##### 7.4.4 Minimum Periods

The minimum service period for all services is one month except as specified following. The minimum service period for part-time and occasional Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video), DS3 Digital Video (a.k.a. BellSouth SPA DS3 Digital Video) and Program Audio (a.k.a. BellSouth SPA Program Audio) services is one day (i.e., a continuous 24-hour period, not limited to a calendar day). The minimum service period for ICB Services is specified in the Individual Case Basis Filing. The minimum service period for SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) is four months. The minimum service periods for LightGate service (a.k.a. BellSouth SPA Point to Point Network) are specified in 7.4.9 following. The minimum service period for DS1 Alternate Serving Wire Center Service is 12 months. The minimum service period for SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) is four months. The minimum service period for SMARTPath DS3 Transport (a.k.a. BellSouth SPA DS3 Shared Ring) service is 12 months.

(S)(x)  
(S)(x)  
(S)(x)

- (x) Pursuant to Special Permission No. 03-109, withdraws material filed under Transmittal No. 762 on December 1, 2003 and reinstates currently effective material.

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TARIFF F.C.C. NO. 1  
ORIGINAL PAGE 7-79.1

EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (N)

7.4 Rate Regulations (Cont'd) (N)

7.4.5 Moves (M)

A move involves a change in the physical location of one of the following: (M)

- The Point of Termination at the customer's premises (M)
- The customer's premises (M)

The charges for the move are dependent on whether the move is to a new location within the same building or to a different building. (M)  
(M)

Certain material appearing on this page previously appeared on 8th Revised Page 7-79.

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TARIFF F.C.C. NO. 1  
6TH REVISED PAGE 7-80  
CANCELS 5TH REVISED PAGE 7-80

EFFECTIVE: JANUARY 9, 2004

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.5 Moves (Cont'd)

###### (A) Moves Within the Same Building

When a service is moved to a new location within the same building, the charge for the move will be an amount equal to one-half of the first service installed nonrecurring charge for the service termination affected. When a group of like services is moved to the same location inside a customer premises at the same time, the appropriate charges will be: one-half the first service installed nonrecurring charge for the first service moved of the group; and one-half the additional service installed nonrecurring charge for additional like services of that group. There will be no change in the minimum period requirements.

###### (B) Moves To a Different Building

Moves to a different building (customer premises) in a wire center serving area different than the customer's existing serving wire center serving area will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. Service will not be available simultaneously at both the original and new customer locations. New minimum period requirements may be established for the rearranged services in accordance with the regulations for a service. The customer will also remain responsible for satisfying all outstanding minimum period charges for the original service locations. When the move involves a multipoint service, the nonrecurring charge will apply per rate element affected.

Moves to a Telephone Company-provided BellSouth Expanded Interconnection Service interconnection arrangement, where the customer's and interconnector's existing wire center is the same, will be treated as a service move rather than a discontinuance and start of service. Cross Connect rates, nonrecurring charges, and optional feature and function charges as contained in Section 13 of this Tariff will apply. In addition, service reconfiguration charges are applicable per customer request and per circuit moved as contained in 7.5.17 following. (T)  
Individual services will not be available simultaneously at both the original premises location and new wire center interconnection space. Additional cooperative end-to-end testing is available and will be conducted by the Telephone Company when requested at rates and charges contained in Section 13.3.5(B) of this Tariff. New minimum period requirements may be established for the rearranged services in accordance with the regulations for a service. The customer will remain responsible for satisfying all outstanding minimum period charges for the original service locations. When the move involves a multipoint service, the nonrecurring charge will apply per rate element affected. (T)



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TARIFF F.C.C. NO. 1  
3RD REVISED PAGE 7-80.1  
CANCELS 2ND REVISED PAGE 7-80.1  
EFFECTIVE: OCTOBER 16, 2003

#### ACCESS SERVICE

#### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

#### 7.4.5 Moves (Cont'd)

#### (B) Moves To a Different Building (Cont'd)

Moves to a different building (customer premises) in the customer's existing serving wire center serving area will be treated as a service move rather than a discontinuance and start of service. Nonrecurring charges for the new local channel will apply as well as any optional feature and function charges for that local channel. In addition, service reconfiguration charges are applicable per customer request and circuit moved as contained in 7.5.17 following. Service will not be available simultaneously at both the original and new customer locations. Additional cooperative end-to-end testing is available and will be conducted by the Telephone Company at a customer's request at rates and charges contained in 13.3.5(B) following. New minimum period requirements may be established for the rearranged services in accordance with the regulations for a service. The customer will also remain responsible for satisfying all outstanding minimum period charges for the original service locations. When the move involves a multipoint service, the nonrecurring charge will apply per rate element affected.

(D)

#### 7.4.6 Mileage Measurement

Except as noted, the mileage to be used to determine the monthly rate for the Interoffice Channel is calculated on the airline distance between the locations involved, i.e., the serving wire centers associated with two customer-designated premises, a serving wire center associated with a customer-designated premises and a Telephone Company Hub, a serving wire center associated with a customer-designated premises and a BellSouth SWA WATS service serving office, or two Telephone Company Hubs. The serving wire center associated with a customer-designated premises is the serving wire center from which the customer-designated premises would normally obtain dial tone.

When service is provided from an alternate serving wire center, as described in 7.2.9(A) preceding, interoffice mileage is calculated on the airline distance from or to the alternate serving wire center in lieu of the wire center from which the customer-designated premises would normally receive dial tone.

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TARIFF F.C.C. NO. 1  
6TH REVISED PAGE 7-81  
CANCELS 5TH REVISED PAGE 7-81

EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.6 Mileage Measurement (Cont'd)

Mileage is shown in 7.5 following in terms of mileage bands. To determine the rate to be billed, first compute the mileage using the V&H coordinates method, as set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4, then find the band into which the computed mileage falls and apply the rates shown for that band. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage band and applying the rates.

When Hubs are involved, either due to customer-specified bridging or channelization or for the specific provisioning of a service (e.g. for the specified provisioning of Digital Data (a.k.a. BellSouth SPA DSO Digital Data) Access channels as set forth in Section 7.2.8), mileage is computed and rates applied separately for each section of the Interoffice Channel, i.e., customer designated premises serving wire center to Hub, Hub to Hub and/or Hub to customer designated premises serving wire center. Hubs are not utilized as interoffice channel mileage measurement points where the Telephone Company chooses to route the service through a Hub for other purposes. (T)

SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) Local Channel, Alternate Central Office Channel and Internodal Channel rates are also 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. (T)

The SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) Interoffice Channel mileage is calculated per quarter airline mile between two directly connected central office's 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. (T)

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ISSUED: NOVEMBER 1, 1996

TARIFF F.C.C. NO. 1  
2ND REVISED PAGE 7-81.1  
CANCELS 1ST REVISED PAGE 7-81.1  
EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.6 Mileage Measurement (Cont'd)

LightGate service(a.k.a. BellSouth SPA Point to Point Network) local channel (T)  
system and SAFT Levels I and II monthly rates are distance sensitive and are measured per half airline mile, or fraction thereof, from a customer's serving wire center to the customer's designated premises. This mileage is developed by the Telephone Company in a multi-step process. Initially, the customer's street address location is taken and converted into its geographic coordinates of latitude and longitude utilizing the United States Government's land based, postal, geographic registration data base (TIGER). Precise determination of location is assured thru the use of specific postal address numbers, county, town, zip code, telephone area code and NXX information, CLLI information where available, and also known distances to street intersections if necessary. The specific mapping process from street address to corresponding latitude - longitude is available and may be obtained by requesting TIGER data from the Bureau of Census, Washington, D.C. 20233.

Following this, a customer's latitude and longitude are converted to V&H coordinates utilizing the standard algorithm calculation method originally developed by Bell Laboratories and currently used for interoffice mileage calculations in this Tariff. The calculation process converts latitude and longitude geographic points, based upon the ellipsoidal shape of the earth, and maps them to the planar map of the V&H Coordinate system that is used for standard mileage measurements. Detailed information regarding the specific equations utilized in this process are available from BELLCORE, Attn.: Executive Director - Language Standards, Room RRC4A801, 444 Hoes Lane, Piscataway, N.J. 08854.

The final step of the mileage calculation process utilizes the V&H coordinates of the customer's location and the Telephone Company's serving wire center to compute the airline mileage. The mileage is calculated using the method as set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC., TARIFF F.C.C. NO. 4. Any portion of a half mile will always round up to the next half mile before determining the mileage and applying the rate.

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ISSUED: NOVEMBER 1, 1996

TARIFF F.C.C. NO. 1  
1ST REVISED PAGE 7-81.2  
CANCELS ORIGINAL PAGE 7-81.2  
EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.6 Mileage Measurement (Cont'd)

Local channel system mileage rates are calculated by multiplying the monthly rate per additional half mile by the number of additional half miles, not including the initial half mile of facilities included in the system rate. SAFT Levels I and II mileage rates are in addition to the local channel mileage rates preceding and are calculated by multiplying the monthly rate per half mile by the number of half miles, including the initial half mile of protection facilities. Information about local channel mileage and associated mileage charges will be provided by the Telephone Company without incurring any service obligations. Mileage for local channel systems is computed and rates applied separately from interoffice channels.

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ISSUED: SEPTEMBER 29, 2000

TARIFF F.C.C. NO. 1  
4TH REVISED PAGE 7-82  
CANCELS 3RD REVISED PAGE 7-82  
EFFECTIVE: SEPTEMBER 30, 2000

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.7 Facility Hubs

A customer has the option of ordering analog or digital high capacity facilities (i.e., Group, Supergroup, Mastergroup, DS1, DS1C, DS2, DS3, STS-1, OC-3, OC-12, OC-48, or OC-192) to a facility Hub for channelizing to individual services requiring lower capacity facilities (e.g., Digital Data Access (a.k.a. BellSouth SPA DSO Digital Data) service, Voice (a.k.a. BellSouth SPA DSO VG), Program Audio (a.k.a. BellSouth SPA Program Audio), etc.). (C)

Different locations may be designated as Hubs for different facility capacities, e.g., channelization from digital to digital may occur at one location while channelization from digital to analog may occur at a different location. When ordering, the customer will specify the desired channelization Hub(s) selected from the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4. This tariff identifies the type(s) of channelization functions which are available and the serving wire centers at which they are available.

Some of the types of channelization available include the following:

- from higher to lower bit rate
- from higher to lower bandwidth
- from digital to voice frequency channels

End to end services may be provided on channels of these facilities to a Hub. The transmission performance for the end to end service provided between customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps facility is channelized to voice frequency channels, the transmission performance of the channelized services will be Voice Grade (a.k.a. BellSouth SPA DSO VG), not High Capacity (a.k.a. BellSouth SPA High Capacity).

The Telephone Company will commence billing the monthly rate for the facility to the Hub on the date specified by the customer on the service order. Individual services utilizing these facilities may be installed coincident with the installation of the facility to the Hub or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a Voice Grade or a high capacity analog or digital Local Channel, Interoffice Channel (when applicable) and the Basic Channelization System at the time the facility is installed. DS1 and DSO Basic Channelization Systems require a Central Office Channel Interface for activation of each lesser capacity channel. Individual service rates (by service type) will apply for a Local Channel, Central Office Channel Interface(s), and/or an additional Interoffice Channel (as required) for each channelized service. These will be billed to the customer as each individual service is installed.

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TARIFF F.C.C. NO. 1  
5TH REVISED PAGE 7-83  
CANCELS 4TH REVISED PAGE 7-83

EFFECTIVE: SEPTEMBER 1, 1998

#### ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.7 Facility Hubs (Cont'd)

Cascading channelization occurs when a high capacity (a.k.a. BellSouth SPA High Capacity) analog or digital channel is channelized to provide channels with a lesser capacity and one of the lesser capacity channels is further channelized. For example, a Supergroup facility is channelized to five Group facilities and then one of the Group facilities is further channelized to individual Voice Grade (a.k.a. BellSouth SPA DS0 VG) channels.

When cascading channelization is performed, whether in the same or a different Hub, a charge for the additional Basic Channelization System and Central Office Channel Interface(s) also applies. A DS1 (a.k.a. BellSouth SPA DS1) Basic Channelization System and DDAS (a.k.a. BellSouth SPA DS0 Digital Data) Central Office Channel Interface are required for high speed or low speed DDAS (a.k.a. BellSouth SPA DS0 Digital Data) activations when channelized from a DS1 (1.544 Mbps) channel. A DS0 Basic Channelization System and Subrate Central Office Channel Interface are required for subrate activations of 2.4, 4.8 and 9.6 Kbps when channelized from a DS0 (64 Kbps) channel. When cascading channelization is performed at different Hubbing locations, Interoffice Channel charges also apply between the Hubs.

Although not requiring channelization, the Telephone Company will designate certain Hubs for Program Audio (a.k.a. BellSouth SPA Program Audio) service. (C)  
A customer can order full-time and/or part-time service(s) between customer designated premises and a Hub and will be billed accordingly at the rates set forth in 7.5.4 following for the full-time or part-time service, as appropriate. At the request of a customer, the full-time and/or part-time services provided to the Hub may be connected together in the following configurations: full-time to full-time, full-time to part-time or part-time to part-time. The customer will be charged for each such connection made at the rates for Other Labor as set forth in 13.2.6(C) following. The rates that apply for the service between each customer designated premises and the Hub are a Central Office Channel Interface, Local Channel, and Interoffice Channel, if applicable. In addition, rates for optional features and functions may be applicable. (C)

##### 7.4.8 Shared Use Analog and Digital High Capacity (a.k.a. BellSouth SPA High Capacity) Services

Shared use occurs when Special Access (a.k.a. BellSouth SPA) service and BellSouth SWA service are provided over the same Wideband Analog (a.k.a. BellSouth SPA Wideband Analog) or High Capacity (a.k.a. BellSouth SPA High Capacity) facilities through a common interface.

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TARIFF F.C.C. NO. 1  
10TH REVISED PAGE 7-84  
CANCELS 9TH REVISED PAGE 7-84  
EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

### 7 - Special Access (a.k.a BellSouth SPA) Service (Cont'd) (T)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.8 Shared Use Analog and Digital High Capacity (a.k.a. BellSouth SPA High Capacity) (T)

When the customer orders Special Access (a.k.a BellSouth SPA) Service, the facilities will be rated as Special Access (a.k.a BellSouth SPA) Service (i.e., Local Channel, Interoffice Channel, as appropriate, and Basic Channelization System and Central Office Channel Interface(s), if applicable) until such time as the customer chooses to use a portion of the available capacity for providing BellSouth SWA service. When individual channels are activated for BellSouth SWA service, the Special Access (a.k.a BellSouth SPA) Local Channel rates, Interoffice Channel rates, and Basic Channelization System rates, if applicable, will be reduced via a reduction factor. The reduction factor will be developed using the net number of BellSouth SWA services provided over a Special Access (a.k.a BellSouth SPA) Service facility at the beginning of a monthly billing period. For LightGate service (a.k.a. BellSouth SPA Point to Point Network) asynchronous systems, the reduction factor is calculated by dividing the sum of the BellSouth SWA channels by the sum of the voice grade equivalent capacity of the DS3 channels activated in a LightGate service (a.k.a. BellSouth SPA Point to Point Network) Local Channel or Interoffice Channel System. For LightGate service (a.k.a. BellSouth SPA Point to Point Network) synchronous systems, the reduction factor is calculated by dividing the sum of the BellSouth SWA channels by the sum of the equivalent voice grade (a.k.a. BellSouth SPA DS0 VG) capacity of the LightGate service (a.k.a. BellSouth SPA Point to Point Network) local channel or interoffice channel system. The reduction factor for LightGate service (a.k.a. BellSouth SPA Point to Point Network) channel interface rates, DS1 local channel rates, DS1 interoffice channel rates, and multiplexer rates is developed by dividing the sum of the BellSouth SWA channels by the voice grade (a.k.a. BellSouth SPA DS0 VG) equivalent capacity of the interface, channel, or multiplexer as appropriate. The reduction factor's fraction is rounded off to four decimal places and then multiplied against the appropriate monthly recurring charges to determine the reduction amount. The rates for Wideband Analog (a.k.a. BellSouth SPA Wideband Analog) and High Capacity (a.k.a. BellSouth SPA High Capacity) DS1C and DS2 ICB Service will be reduced, based on their rates and capacity (e.g., 1/12th for a group Level service, etc). For SMARTPath service (a.k.a BellSouth SPA DS1 Shared Ring), the rates will be reduced by 1/48th for each individual BellSouth SWA Channel. For SMARTPath DS3 Transport (a.k.a. BellSouth SPA DS3 Shared Ring) service, the rates will be reduced by 1/1344 for each BellSouth SWA access voice grade circuit. The customer must place an order for each individual BellSouth SWA Channel, provided over Special Access (a.k.a BellSouth SPA) service Shared Use Facilities and specify the channel assignment for each such service. For SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network), the rates will be reduced by 1/24th for each BellSouth SWA voice grade circuit on a SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) DS1 channel or 1/672nd for each BellSouth SWA access voice grade circuit on a SMARTGate service (a.k.a BellSouth SPA Managed Shared Ring Network) DS3 channel.

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ISSUED: JULY 29, 2005

TARIFF F.C.C. NO. 1  
7TH REVISED PAGE 7-84.1  
CANCELS 6TH REVISED PAGE 7-84.1

EFFECTIVE: AUGUST 13, 2005

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.8 Shared Use Analog and Digital High Capacity (a.k.a. BellSouth SPA High Capacity) Services (Cont'd)

The capability exists for a customer to utilize all or part of a SMARTring service (a.k.a. BellSouth SPA Dedicated Ring) to transport switched access provided the SMARTring service (a.k.a. BellSouth SPA Dedicated Ring) channel interface transporting the BellSouth SWA service does not have BellSouth Customer Network Management Service capability as described in 7.2.11(A) preceding. The customer must place an order for each individual BellSouth SWA Channel provided over Special Access (a.k.a. BellSouth SPA) service Shared Use Facilities and specify the channel assignment for each such service. The switched traffic would enter and exit the SMARTring service (a.k.a. BellSouth SPA Dedicated Ring) at Customer and Central Office Nodes on that network. When this occurs, ratcheting of Special Access (a.k.a. BellSouth SPA) rate elements (i.e. Nodes, Channel Interfaces, Local Channels, Alternate Central Office Channels, Internodal Channels, or Interoffice Channels) will be based on the number of voice grade (a.k.a. BellSouth SPA DSO VG) equivalent trunks/lines of that rate element used for BellSouth SWA access. Reduction factors will be developed to reduce the charges on system level billing as well as the billing on individual DS1, DS3, STS-1, OC-3, and/or OC-12 Channel Interfaces. For ratcheting purposes, the system level charges include Customer Nodes, Central Office Nodes, Local Channels, Alternate Central Office Channels, Internodal Channels, and Interoffice Channels as appropriate to make up a customer's SMARTring service (a.k.a. BellSouth SPA Dedicated Ring). Individual OC-1, OC-3 and OC-12 Channel Interfaces used in Overlay Ring Arrangements will be ratcheted as system level charges. The system reduction factor will apply to the system level charges. (C) (C)

The system reduction factor will be derived by dividing the number of activated BellSouth SWA access circuits by the voice grade (a.k.a. BellSouth SPA DSO VG) channel equivalent capacity of the self-healing ring. An OC-1 SMARTring service (a.k.a. BellSouth SPA Dedicated Ring) has 672 voice grade (a.k.a. BellSouth SPA DSO VG) equivalent channels. An OC-3 SMARTring service (a.k.a. BellSouth SPA Dedicated Ring) has 2,016 voice grade (a.k.a. BellSouth SPA DSO VG) equivalent channels. An OC-3+ or OC-12 SMARTring service (a.k.a.



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EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.8 Shared Use Analog and Digital High Capacity (a.k.a. BellSouth SPA High Capacity) Services (Cont'd) (T)

BellSouth SPA Dedicated Ring) has 8,064 voice grade equivalent channels. An (T)  
OC-24 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) has 16,128 voice (T)  
grade (a.k.a. BellSouth SPA DSO VG) equivalent channels. An OC-48 SMARTRing (T)  
service (a.k.a. BellSouth SPA Dedicated Ring) or OC-48+ SMARTRing service (T)1  
(a.k.a. BellSouth SPA Dedicated Ring) with 48 or less activated DS3s has (T)  
32,256 voice grade (a.k.a. BellSouth SPA DSO VG) equivalent channels. (T)  
However, when an OC-48+ SMARTRing service (a.k.a. BellSouth SPA Dedicated (T)  
Ring) is used to transport BellSouth SWA service, and more than 48 equivalent (T)  
DS3s are activated on the service, the factor will be based upon the actual  
number of activated DS3s times 672 DSOs. A factor for individual DS3 channel  
interfaces and 28 DS1 channel systems, will be derived by dividing the number  
of activated BellSouth SWA access circuits associated with the DS3 channel by (T)  
the voice grade (a.k.a. BellSouth SPA DSO VG) equivalent capacity of the DS3 (T)  
channel. A DS3 has 672 voice grade (a.k.a. BellSouth SPA DSO VG) equivalent (T)  
channels. For DS1 channel interfaces, a factor is derived by dividing the  
number of BellSouth SWA access circuits associated with the DS1 channel by the (T)  
voice grade (a.k.a. BellSouth SPA DSO VG) equivalent capacity of the DS1 (T)  
channel, which is 24. Each reduction factor is rounded to four decimal places  
and then multiplied against the respective monthly charges to determine the  
reduction amount.

BellSouth SWA rates and charges as set forth in 6.8 preceding will apply for (T)  
each channel of the shared use facility that is used to provide BellSouth SWA. (T)

Where Special Access (a.k.a. BellSouth SPA) service is provided utilizing a (T)  
channel(s) of the shared use facility to the Hub, Wideband Analog (a.k.a. (T)  
BellSouth SPA Wideband Analog) or High Capacity (a.k.a. BellSouth SPA High (T)  
Capacity) rates and charges will apply for the portion of the facility ordered  
as Special Access (a.k.a. BellSouth SPA) to the Hub as set forth preceding and (T)  
individual service rates and charges will apply from the Hub to the customer  
designated premises for the Special Access (a.k.a. BellSouth SPA) services (T)  
ordered. The rates and charges that will apply to the portion from the Hub to  
the customer designated premises will be dependent on the specific type of  
Special Access (a.k.a. BellSouth SPA) service that is provided (e.g., Voice (T)  
Grade (a.k.a. BellSouth SPA DSO VG), Telegraph (a.k.a. BellSouth SPA (T)  
Telegraph), etc.). The applicable rates and charges will include a local  
channel, interoffice channel, if applicable. Rates and charges for optional  
features and functions associated with the service, if any, will apply as set  
forth in 7.5 following.

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2ND REVISED PAGE 7-86  
CANCELS 1ST REVISED PAGE 7-86  
EFFECTIVE: DECEMBER 16, 1996

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

(T)

7.4 Rate Regulations (Cont'd)

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TARIFF F.C.C. NO. 1  
11TH REVISED PAGE 7-86.1  
CANCELS 10TH REVISED PAGE 7-86.1  
EFFECTIVE: MARCH 12, 2005

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.9 LightGate Service (a.k.a. BellSouth SPA Point to Point Network)

Rates and charges are specified in 7.5.9 following for LightGate service (a.k.a. BellSouth SPA Point to Point Network). System rates provide system capacity and channel interfaces. Local channel systems include the transport common equipment, and first half air-mile of local channel facilities and additional lengths of local channel facilities. These rates are specified in 7.5.9(A)(3) following. Separate Alternate Facility Transport (SAFT), options for LightGate service (a.k.a. BellSouth SPA Point to Point Network), local channel system rates are offered at the rates specified in 7.5.9.A. (3)(u), (aq) and (bc) following. These rates are in addition to local channel system rates. Interoffice channel system mileage rates and charges are as specified in 7.5.9(B)(5) following.

DS3 and/or DS1 channel interfaces are required for asynchronous LightGate service (a.k.a. BellSouth SPA Point to Point Network) local channel systems at both the customer and central office locations. DS1, DS3, STS-1, OC-3, OC-12, and/or OC-48 channel interfaces are required at both the customer's location and the serving wire center for synchronous LightGate service (a.k.a. BellSouth SPA point to Point Network) local channel systems, except at locations where a customer or serving wire center optical termination is provided. DS3 or STS-1 channel interfaces are not required in connection with the provision of DS1 channel interfaces at a system's termination location. LightGate services (a.k.a. BellSouth SPA Point to Point Network) channel interfaces are only offered in conjunction with a LightGate service (a.k.a. BellSouth SPA Point to Point Network) system. The resulting number of DS1, DS3, STS-1, OC-3, OC-12, and OC-48 channels provided by a system may not exceed the capacity of the system ordered. A minimum of four DS1, one DS3, one STS-1, one OC-3, OC-12, or OC-48 channel(s) is (are) required to maintain a system in service.

(D)(x)  
(D)(x)  
(D)(x)

LightGate service (a.k.a. BellSouth SPA Point to Point Network) OC-3, OC-12 or OC-48 channel interfaces are associated with optical circuits within a LightGate service (a.k.a. BellSouth SPA Point to Point Network) system. 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. When an optical circuit is provisioned as concatenated at the time the circuit is installed, there is no additional charge for provisioning it as concatenated. When an existing non-concatenated optical circuit is requested to be reconfigured as concatenated, a concatenation rearrangement charge shall apply. This rearrangement charge shall also apply when a request is made to convert an existing concatenated circuit to non-concatenated. This rearrangement charge is specified in 7.5.17 following and is applied on a per circuit basis.

x Issued to become effective on March 12, 2005 under Authority of Special Permission No. 05-014. \_\_\_\_\_

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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TARIFF F.C.C. NO. 1  
5TH REVISED PAGE 7-86.1.1  
CANCELS 4TH REVISED PAGE 7-86.1.1  
EFFECTIVE: AUGUST 13, 2005

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.9 LightGate Service (a.k.a. BellSouth SPA Point to Point Network) (Cont'd)

Customers may request a C-Bit Parity framing format for a DS3 level circuit. If the request is made at the time the circuit is installed, there is no additional charge. When a request for C-Bit Parity framing format is made for an existing circuit, a nonrecurring charge will be applicable for rearranging the framing format on the circuit. This charge will also be applicable if a customer requests that the C-Bit Parity framing format be removed from a circuit. This charge is specified in 7.5.17 following and is applied on a per circuit basis.

LightGate 3 (a.k.a. BellSouth SPA Point to Point Network 12 DS3 Capacity), LightGate 4 (a.k.a. BellSouth SPA Point to Point Network 24 DS3 Capacity), OC-12 (a.k.a. BellSouth SPA Point to Point Network OC-12 Capacity), OC-48 (a.k.a. BellSouth SPA Point to Point Network OC-48 Capacity), and OC-192 (a.k.a. BellSouth SPA Point to Point Network OC-192 Capacity) service local channel systems require both a 28 DS1, STS-1 or OC-3 channel system channel interface and DS1 channel interfaces to derive DS1 channels. When a collocator desires to derive DS1's from a Virtual Access Cross Connect Service, Physical Access Cross Connect Service, Intra-Office Collocation Cross Connect Service, a LightGate 1 service (a.k.a. BellSouth SPA Point to Point Network) local channel system is not required. However the customer is required to pay the charge for the 28 DS1 channel system channel interface in addition to the DS1 central office interfaces. In addition, OC-192 (a.k.a. BellSouth SPA Point to Point Network OC-192 Capacity) service local channel systems require both an OC-3, OC-12 or OC-48 Channel System and DS3 channel interfaces to derive DS3 channels.

DS1, DS3, STS-1, OC-3, OC-12, or OC-48 channels provided by interoffice channel systems must be combined with corresponding channels in local channel systems or may be a stand-alone link when connected with BellSouth Customer Network Management Service, SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), or voice grade (a.k.a. BellSouth SPA DSO VG) hubbing applications without associated local channels. Customers must designate, at the time service is ordered, the association of any DS3 or DS1 channels in a LightGate service (a.k.a. BellSouth SPA Point to Point Network) interoffice system with corresponding DS3 or DS1 channels in a LightGate service (a.k.a. BellSouth SPA Point to Point Network) local channel system to form required link configurations. DS1, DS3, STS-1, OC-3, OC-12 or OC-48 channel interfaces are required at each terminating central office location. (C) (C)

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TARIFF F.C.C. NO. 1  
5TH REVISED PAGE 7-86.2  
CANCELS 4TH REVISED PAGE 7-86.2

EFFECTIVE: DECEMBER 19, 2001

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.9 LightGate Service (a.k.a. BellSouth SPA Point to Point Network) (Cont'd)

LightGate service (a.k.a. BellSouth SPA Point to Point Network) is available at month-to-month rates, with a four month minimum service period for all associated rate elements. However, local channel systems with SAFT levels I or II reliability, have a 4-month minimum service period. Service is also available under a Transport Payment Plan (TPP), or Channel Services Payment Plans (CSPP) A, (24-48 Months), B (49-72 Months), or C (73-96 Months) as specified in Section 2.4.8 preceding, except as modified following:

- (A) All rate elements associated with a LightGate service (a.k.a. BellSouth SPA Point to Point Network) local channel system or a interoffice channel system must be provided under the same TPP or CSPP arrangement; provided, however, that channel interfaces may be provided under a monthly rate arrangement which is greater than, equal to or less than the payment plan for the associated local channel or interoffice channel. (C)  
(C)  
(C)  
(C)  
(C)
- (B) A termination liability charge will be applicable for LightGate service (a.k.a. BellSouth SPA Point to Point Network) rate elements provided under a CSPP arrangement that are disconnected prior to the end of the chosen service period. The termination liability charge is equal to the number of months remaining in the service period multiplied by 60% of the monthly rates for the rate elements disconnected. LightGate service (a.k.a. BellSouth SPA Point to Point Network) rate elements provided under a TPP arrangement that are disconnected prior to the end of the chosen service period will incur termination liability in accordance with Section 2.4.8. preceding. The following exceptions apply:
  - (1) No Termination Liability Charge will be applicable for a LightGate service (a.k.a. BellSouth SPA Point to Point Network) when the customer replaces an existing CSPP arrangement with a new TPP arrangement for the same or larger system(s) and all associated rate elements at the same location(s) for a service period equal to or greater than the time remaining on the existing CSPP arrangement. This provision also applies for conversions of asynchronous LightGate service (a.k.a. BellSouth SPA Point to Point Network) systems to larger synchronous LightGate service (a.k.a. BellSouth SPA Point to Point Network) systems at the same location(s) for a service period equal to or greater than the time remaining on the existing CSPP arrangement.

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ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

7.4 Rate Regulations (Cont'd)

7.4.9 LightGate Service (a.k.a. BellSouth SPA Point to Point Network) (Cont'd) (T)

(B) (Cont'd)

(2) A change of jurisdiction from interstate to intrastate LightGate service (a.k.a. BellSouth SPA Point to Point Network) constitutes a disconnection of service for which termination charges are applicable. However, if such LightGate service (a.k.a. BellSouth SPA Point to Point Network) continues between the same serving locations, and the customer enters into a new TPP or CSPP arrangement in the intrastate jurisdiction for the same or larger service capacity and associated rate elements for a service period equal to or greater than the service period remaining under the interstate TPP or CSPP arrangement, no interstate termination liability charge will be applicable. (T)

(3) Should a LightGate service (a.k.a. BellSouth SPA Point to Point Network) be disconnected due to a Force Majeure, that is, an event such as a fire, flood, environmental pollution or other natural disaster or similar cause beyond the customer's control which causes such damage, destruction or danger that the customer is unable to conduct business operations there, at the option of the customer, the termination liability charge shall be determined in accordance with (B) above or the following: (T)

- The charge will be the difference between current month-to-month rates for all affected rate elements which are provided under CSPP terms and the applicable CSPP rates multiplied by the number of months that service has been provided. The minimum service period for LightGate service (a.k.a. BellSouth SPA Point to Point Network), stated previously will apply whenever service is disconnected after a shorter service interval. Additionally, replacement LightGate service (a.k.a. BellSouth SPA Point to Point Network) must be ordered and have the same or larger system within the same LATA for the same or longer CSPP commitment period as the remaining commitment period, and be ordered within 60 days of the disconnection of service. Nonrecurring charges will be applicable at the new service location. (T)

(C) Other access services that are connected to LightGate services (a.k.a. BellSouth SPA Point to Point Network) are not offered under LightGate service (a.k.a. BellSouth SPA Point to Point Network) TPP or CSPP terms. They are subject to the regulations applicable to such services. (T)

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TARIFF F.C.C. NO. 1  
8TH REVISED PAGE 7-86.3  
CANCELS 7TH REVISED PAGE 7-86.3  
EFFECTIVE: AUGUST 13, 2005

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.9 LightGate Service (a.k.a. BellSouth SPA Point to Point Network) (Cont'd)

LightGate (a.k.a. BellSouth SPA Point to Point Network) service links may be connected together, or links may be connected to BellSouth Customer Network Management Service, to SMARTRing (a.k.a. BellSouth SPA Dedicated Ring) service, or to Voice Grade (a.k.a. BellSouth SPA DSO VG) services through hubbing applications. Individual DS1, DS3, STS-1, OC-3, OC-12, and OC-48 channel link configurations may be installed, maintained, and disconnected as desired without affecting separate links. (C)

A LightGate (a.k.a. BellSouth SPA Point to Point Network) service system is not required to have the same payment plan arrangement as other LightGate (a.k.a. BellSouth SPA Point to Point Network) service systems to which it is connected. However, when a DS1, DS3, STS-1, OC-3, OC-12, or OC-48 channel within a LightGate (a.k.a. BellSouth SPA Point to Point Network) service interoffice channel is combined as a single link with a DS1, DS3, STS-1, OC-3, OC-12, or OC-48 channel within a LightGate (a.k.a. BellSouth SPA Point to Point Network) service local channel, the LightGate (a.k.a. BellSouth SPA Point to Point Network) service interoffice channel system and associated interfaces must be obtained under the same payment plan arrangement as the LightGate (a.k.a. BellSouth SPA Point to Point Network) service local channel system, or under month-to-month rates as desired by the customer. (C)

All LightGate (a.k.a. BellSouth SPA Point to Point Network) service local channel systems may be upgraded to a larger capacity LightGate (a.k.a. BellSouth SPA Point to Point Network) service local channel system without requirement to disconnect existing DS1, DS3, STS-1, OC-3, OC-12 and/or OC-48 channel services. DS1 channel interfaces in a LightGate 1 (a.k.a. BellSouth SPA Point to Point Network 1 DS3 Capacity) or 2 (a.k.a. BellSouth SPA Point to Point Network 3 DS3 Capacity) service local channel system must include the rates and charges for associated DS1 channel systems when upgraded to LightGate 3 (a.k.a. BellSouth SPA Point to Point Network 12 DS3 Capacity), LightGate 4 (a.k.a. BellSouth SPA Point to Point Network 24 DS3 Capacity), OC-12 (a.k.a. BellSouth SPA Point to Point Network OC-12 Capacity) or OC-48 (a.k.a. BellSouth SPA Point to Point Network OC-48 Capacity) service local channel systems. Upgrades of systems will incur a new four month minimum service period when ordered at month-to-month rates for upgraded rate elements. Upgraded systems provided with SAFT Levels I or II reliability incur a new 12 month minimum period. Upgraded systems provided under rate stabilized Channel Services Payment Plan rates and charges are subject to the terms preceding.

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ISSUED: SEPTEMBER 29, 2000

TARIFF F.C.C. NO. 1  
ORIGINAL PAGE 7-86.3.1

EFFECTIVE: SEPTEMBER 30, 2000

#### ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (N)

7.4 Rate Regulations (Cont'd) (N)

7.4.9 LightGate Service (a.k.a. BellSouth SPA Point to Point Network) (Cont'd) (N)

All customers with existing DS3 channel services will be converted to (M)  
LightGate service (a.k.a. BellSouth SPA Point to Point Network) as of the (M)  
effective date of LightGate service (a.k.a. BellSouth SPA Point to Point (M)  
Network) without application of nonrecurring charges for those existing DS3 (M)  
channels. In addition, for such converted services, nonrecurring charges and (M)  
termination liability charges will be waived for a single change in payment (M)  
periods and/or rearrangement of existing DS3 channels that result in a larger (M)  
or smaller capacity LightGate service (a.k.a. BellSouth SPA Point to Point (M)  
Network) local channel system, provided that such changes occur within 120 (M)  
days following October 29, 1992, the effective date of this Tariff. Changes (M)  
in system size and/or payment plan will be made effective coincident with the (M)  
completion of the rearrangement associated with the customer's service (M)  
request.

Certain material now appearing on this page previously appeared on 6<sup>th</sup> Revised  
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TARIFF F.C.C. NO. 1  
 4TH REVISED PAGE 7-86.4  
 CANCELS 3RD REVISED PAGE 7-86.4  
 EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.9 LightGate Service (a.k.a. BellSouth SPA Point to Point Network) (Cont'd) (T)

Notwithstanding any other provision of this tariff to the contrary, Plan C rates will apply, beginning September 1, 1994, to all LightGate services (a.k.a. BellSouth SPA Point to Point Network) which, prior to September 1, 1994, have been obtained under a term period of at least 61 months and to all LightGate services (a.k.a. BellSouth SPA Point to Point Network) which are newly obtained, during the period from September 1, 1994 through April 1, 1995, under a term period of at least 61 months. The rates are subject to the conditions of Section 2.4.8(A)(1)(f) preceding. Termination liability will not apply for decreasing a commitment period to a term of 61 to 72 months during the period from September 1, 1994 through April 1, 1995. (T)

Customers with an existing asynchronous LightGate 2 (a.k.a. BellSouth SPA Point to Point Network 3 DS3 Capacity) or 3 service (a.k.a. BellSouth SPA Point to Point Network 12 DS3 Capacity) local channel system may elect to convert that system to an asynchronous LightGate 2 (a.k.a. BellSouth SPA Point to Point Network 3 DS3 Capacity) or 3 service (a.k.a. BellSouth SPA Point to Point Network 12 DS3 Capacity) local channel system with optical customer termination of the same size at rates contained in Section 7.5.9(A)(3) following, at the same location and payment commitment period with no changes in the Telephone Company's serving wire center termination equipment without termination liability charges or nonrecurring charges applicable to the existing system. Such election must be made by June 15, 1996. The Network Channel Interface (NCI) Codes and System Equipment that support this offering are shown in the table below: (T)

LightGate (a.k.a. BellSouth SPA Point to Point Network) (T)				
<u>Service System Size</u>	<u>NCI Code</u>	<u>Optical Rate (Mb/s)</u>	<u>System Equipment</u>	(T)
2	04FCF.13	135	Alcatel 3X50	
3	04FCF.54	560	Alcatel LTS-1565	
			Telco Systems M560	

Asynchronous LightGate service (a.k.a. BellSouth SPA Point to Point Network) systems with optical termination at customer locations are not available for new customer requests, nor as upgrades of existing system capacities to larger systems. Synchronous LightGate service (a.k.a. BellSouth SPA Point to Point Network) systems with optical customer termination are available for new or service upgrade customer requests. (T)

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TARIFF F.C.C. NO. 1  
8TH REVISED PAGE 7-87  
CANCELS 7TH REVISED PAGE 7-87

EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

(T)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.10 Reserved For Future Use

##### 7.4.11 Shared Network Arrangement

Rate elements which comprise a service arrangement within a shared network, e.g., local channels, interoffice channel(s), and appropriate channelization elements, must be billed to one customer.

Each customer entering into a Shared Network Arrangement is solely responsible to BellSouth Telecommunications, Inc. for charges associated with that customer's portion of the shared network. Disconnection of service by the host subscriber does not relieve another user of the network of any obligation to pay access charges associated with the portion of the shared network to which that user subscribes. Billing for services and facilities will continue until a disconnect request from the service user has been received by BellSouth Telecommunications, Inc. The host subscriber is solely responsible for notifying the connecting service user in the event of disconnection of the host's service which affects that portion of the shared network service to which the user has subscribed.

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ISSUED: JULY 29, 2005

TARIFF F.C.C. NO. 1  
3RD REVISED PAGE 7-88  
CANCELS 2ND REVISED PAGE 7-88

EFFECTIVE: AUGUST 13, 2005

## ACCESS SERVICE

### 7 - Special Access (a.k.a BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.11 Shared Network Arrangement (Cont'd)

A one-time coordination charge will be assessed within BellSouth Telecommunications, Inc. with the establishment of a Shared Network Arrangement. The host subscriber and the service user may, by mutual agreement, designate which party will be responsible for payment of the coordination charge. In the event no such agreement is reached, the charge will be applied to the host subscriber's account and the host subscriber will be responsible to BellSouth Telecommunications, Inc. for payment of said charge.

In addition to the coordination charge, a separate nonrecurring charge will apply to process each service order on a shared network account. Charges for coordination and service order processing are contained in Section 7.5.9(E).

Where the host subscriber and the connecting service user subscribe to services under Channel Services Payment Plan (CSPP) terms, the payment periods for directly associated multiplexing rate elements must be the same, with the same termination date, or alternately, the connecting service user must order those rate elements under month-to-month payment terms. Where the host subscriber receives services under month-to-month payment terms, a connecting service user must also receive directly associated multiplexing rate elements under month-to-month payment terms. Disconnection of a connecting service user's services under CSPP terms creates no associated termination or payment obligations for the host subscriber. However, disconnection of the host subscriber's services does create payment obligations for shared network service components as appropriate for the specific service.

##### 7.4.12 BellSouth Customer Network Management Service

(C)

###### (A) General

BellSouth Customer Network Management Service is an optional feature that enables the customer to monitor and reconfigure his Voice Grade (a.k.a BellSouth SPA DSO VG), DDAS (a.k.a. BellSouth SPA DSO Digital Data), and High Capacity (a.k.a BellSouth SPA High Capacity) services without the direct intervention of Telephone Company personnel.

(C)

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ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.12 BellSouth Customer Network Management Service (Cont'd) (C)

(A) General (Cont'd)

(1) Management Terminal Interface for BellSouth Customer Network Management Service (C)  
(C)

The Management Terminal Interface (MTI) is utilized with a dial service, a dedicated service or a web access service as a means of accessing BellSouth Customer Network Management Service. For interstate access to BellSouth Customer Network Management Service a customer must obtain a Management Terminal Interface. The BellSouth Customer Network Management Service customer may purchase a dial or dedicated access port with a choice of speeds. (C)  
(C)  
(C)  
(C)

If a customer desires to utilize the Management Terminal Interface for BellSouth Customer Network Management Service to access the Mechanized Interface to Specified Operation Support Systems (Trouble Administration and PIC Inquiry and Order) as detailed in 5.2.15 preceding, an additional nonrecurring charge and a monthly rate will apply. (C)

The customer is responsible for providing the facility required to connect the customer's location to the designated Company location. The designated Company location is the suitably equipped office as stated in the NATIONAL EXCHANGE CARRIER ASSOCIATION, (NECA), INC. Tariff, F.C.C. No. 4.

Customers who subscribe to dial access will be given a telephone number to dial, which will establish a port connection. Customers who subscribe to web access will be provided a web address and may utilize a personal computer that has a standard web browser to establish a connection. Dial and web access customers must obtain a Security card from the Telephone Company as specified in 13.3.12 following.

In addition to providing a dial or dedicated access service, the customer will be required to furnish a VT100 type terminal and a compatible data set. The data set required will depend on the type of access chosen by the customer and the capability for connection with the Company. Customer Provided Equipment must comply with specifications found in BellSouth Technical Reference Publication 73535 for Corporate Packet Network Asynchronous Terminal Access and BellSouth Technical Reference Publication 73516 Issue C, Corporate Packet Network Physical Interface Specifications.

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TARIFF F.C.C. NO. 1  
6TH REVISED PAGE 7-89  
CANCELS 5TH REVISED PAGE 7-89  
EFFECTIVE: AUGUST 13, 2005

## ACCESS SERVICE

### 7 - Special Access (a.k.a BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.12 BellSouth Customer Network Management Service (Cont'd)

###### (A) General (Cont'd)

###### (2) BellSouth Customer Network Management Service

BellSouth Customer Network Management Service includes surveillance (monitoring) and reconfiguration of the customer's Special Access (a.k.a BellSouth SPA) DS0, DS1, DS3 and STS-1 services equipped with BellSouth Customer Network Management Service. For SMARTRing services (a.k.a BellSouth SPA Dedicated Ring) equipped with BellSouth Customer Network Management Service, customers may order only monitoring capability or both monitoring and reconfiguration capability as described in (3) following. (C)

When the customer has accessed BellSouth Customer Network Management Service, monitoring consists of unsolicited signals of major and minor facility alarms (carrier group alarms, bit error rate, bipolar violations, slip errors, errored seconds, out-of-frame alarms and invalid connections). (Invalid connections are connections between Special Access (a.k.a. BellSouth SPA) services with incompatible signals or between services without BellSouth Customer Network Management Service. Customer requests for such connections will be denied). The Telephone Company shall not be responsible for service interruptions, troubles, loss of customer data, or any other losses resulting from attempted invalid connections. (C)

Reconfiguration provides the customer with the ability to direct the Telephone Company to connect or disconnect the customer's Special Access (a.k.a. BellSouth SPA) services with BellSouth Customer Network Management Service to or from each other at a central office or central offices where the customer has purchased BellSouth Customer Network Management Service on those services. Such connections and disconnections may be performed immediately or at a future time prescribed by the customer and, except for Partitioning, are performed without direct intervention by Telephone Company personnel. (C)

The customer is responsible for providing the terminal equipment required for access to BellSouth Customer Network Management Service. (C)

The customer may transmit reconfiguration directions to or receive alarm monitoring information from the Telephone Company over a dial or a dedicated access service through an MTI.

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TARIFF F.C.C. NO. 1  
7TH REVISED PAGE 7-90  
CANCELS 6TH REVISED PAGE 7-90  
EFFECTIVE: AUGUST 13, 2005

## ACCESS SERVICE

### 7 - Special Access (a.k.a BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.12 BellSouth Customer Network Management Service (Cont'd) (C)

###### (A) General (Cont'd)

###### (2) BellSouth Customer Network Management Service (Cont'd) (C)

With the customer's initial order for BellSouth Customer Network Management Service the Telephone Company provides the capability for one connection to the Telephone Company for the communication of monitoring and reconfiguration signals. This capability is referred to in this tariff as access to BellSouth Customer Network Management Service or "User Access". One customer identification code with password security is included with such access. (C)

With the customer's initial order, the Telephone Company also 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 Company designated 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.

Reconfiguration and monitoring are not available during the performance of routine maintenance of the Telephone Company's facilities and equipment used to provide BellSouth Customer Network Management Service. (C)

The Local and Interoffice Channels and SMARTRing (a.k.a BellSouth SPA Dedicated Ring) channel interfaces which are managed by BellSouth Customer Network Management Service are subject to all regulations and charges contained in their respective sections of this Tariff in addition to those contained herein. (C)

Different switching options for DS0, DS1, DS3 and STS-1 channels 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 BellSouth Customer Network Management Service switching option connected. (C)

BellSouth Customer Network Management Service is furnished only in locations where facilities exist. (C)

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ISSUED: JULY 29, 2005

TARIFF F.C.C. NO. 1  
7TH REVISED PAGE 7-90.1  
CANCELS 6TH REVISED PAGE 7-90.1

EFFECTIVE: AUGUST 13, 2005

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.12 BellSouth Customer Network Management Service (Cont'd) (C)

(A) General (Cont'd)

(3) Customer Circuits

There are five types of channel connections, which can be connected to BellSouth Customer Network Management Service - DS0 (Single channel), DS1 (1.544 Mbps) digital circuits, DS3 (44.736 Mbps) digital circuits, STS-1 (51.84 Mbps) digital circuits and SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). (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.

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 24 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. A monitoring only option (i.e., surveillance option) is also provided for DS1 channel connections. This option may also be used for terminating SWA DS1 channels.

DS3 Channel Connections - There are three types of connections available for terminating a DS3 circuit - DS0, DS1 and DS3. 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 28 DS1 circuits, then the customer would purchase a DS3 channel connection with DS1 switching. The customer would purchase a DS3 connection with DS3 switching if the customer wants to cross connect the entire DS3 circuit. A monitoring only option (i.e., surveillance option) is also provided for DS3 channel connections. This option may also be used for terminating SWA DS3 channels.

STS-1 Channel Connections - There is one type of connection available for terminating a STS-1 circuit - VT1.5. The STS-1 connection will be switched at a VT1.5 level.

SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) Channel Connections - BellSouth Customer Network Management Service is available only with OC-1, OC-3 OC-3+, OC-12, OC-48, OC-48+ or OC-192+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). (C)  
(OC-1 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) is only available in an overlay arrangement). There are two options available for SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) channel connections - Surveillance and Reconfiguration. (M)

Certain material previously appearing on this page now appears on 10th Revised Page 7-91.

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TARIFF F.C.C. NO. 1  
10TH REVISED PAGE 7-91  
CANCELS 9TH REVISED PAGE 7-91

EFFECTIVE: AUGUST 13, 2005

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.12 BellSouth Customer Network Management Service (Cont'd) (C)

###### (A) General (Cont'd)

###### (3) Customer Circuits (Cont'd)

Surveillance allows the customer to monitor the ring and retrieve performance monitoring data. Surveillance will be ordered on a per SMARTRing (a.k.a. BellSouth SPA Dedicated Ring) 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 (a.k.a. BellSouth SPA Dedicated Ring) channel interfaces. Reconfiguration must be ordered on a per SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) Channel Interface basis. 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. Within each STS-1 group, all activated interfaces must be optioned the same (either all Surveillance only or all Surveillance and Reconfiguration). (M)

BellSouth Customer Network Management Service is available on the following SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) Overlay Ring Arrangements: (S=Surveillance and R=Reconfiguration) (C)

OVERLAYING SMARTRing Service    HOST SMARTRing Service (a.k.a.  
(a.k.a. BellSouth SPA        BellSouth SPA Dedicated Ring)  
Dedicated Ring)

	<u>OC-12</u>		<u>OC-48</u>		<u>OC-48+</u>		<u>OC-192/OC-192+</u>	
	S	R	S	R	S	R	S	R
OC-1	X	X	X	X	X	X	X	X
OC-3	X	X	X	X	X	X	X	X
OC-3+			X	X			X	X
OC-12			X	X			X	X
OC-48							X	X

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

For SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) customer's web access to Surveillance and/or Reconfiguration capabilities of their service, a Service Establishment Charge for new customer account setup in the Management Terminal Interface Database and a charge for Security Cards as shown in 7.5.18(B)(4), following, applies.

Certain material now appearing on this page previously appeared on 6th Revised Page 7-90.1.



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ISSUED: JULY 29, 2005

TARIFF F.C.C. NO. 1  
1ST REVISED PAGE 7-91.0.0.1  
CANCELS ORIGINAL PAGE 7-91.0.0.1

EFFECTIVE: AUGUST 13, 2005

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.12 FlexServ Service (a.k.a. BellSouth SPA Customer Reconfiguration) Cont'd)

###### (A) General (Cont'd)

###### (4) BellSouth Customer Network Management Service Options

(C)

- Subrate Reconfiguration: This option provides BellSouth Customer Network Management Service customers the capability to reconfigure subrate channels riding a DS0 channel if all subrate channels of the DS0 are of the same speed. This option is available only where facilities permit. (C)
- Partitioning: This option provides subdivision of the customer's Special Access(a.k.a. BellSouth SPA) services into groups of services that can be reconfigured and monitored separately from his services in other groups. (C)

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ISSUED: JULY 29, 2005

TARIFF F.C.C. NO. 1  
2ND REVISED PAGE 7-91.0.1  
CANCELS 1ST REVISED PAGE 7-91.0.1

EFFECTIVE: AUGUST 13, 2005

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.12 BellSouth Customer Network Management Service (Cont'd) (C)

###### (A) General (Cont'd)

###### (4) BellSouth Customer Network Management Service (Cont'd) (C)

- **Additional Concurrent User Access:** This option provides the customer the ability to establish additional, concurrent connections to the Telephone Company for the communication of monitoring and reconfiguration signals. One additional customer identification code is provided with each additional User Access. For each Additional Concurrent User Access ordered, the customer must also order an additional Management Terminal Interface (MTI). Rates and charges for MTI are located in 7.5.18.
- **Additional User Identification Codes:** This option provides customer identification codes in addition to that provided with each User Access. If the customer has ordered a dial interface, then the customer must also order an additional Security Card.
- **Multipoint Bridging:** This option provides the capability of performing reconfigurations that bridge three or more DS0 channels.

**Voice Grade (a.k.a. BellSouth SPA DS0 VG) Connections:** This option allows the customer the capability to perform reconfigurations that bridge three or more voice grade (a.k.a. BellSouth SPA DS0 VG) channels in the BellSouth Customer Network Management Service arrangement into one conferencing arrangement. (C)

**Multipoint Junction Unit (MJU):** This option provides the capability to perform reconfigurations that bridge up to five digital DS0 channels (one master and four legs) in a set. Bridging of multiple sets can be performed, but one channel of each additional set will be required to bridge to the others. (C)

- **Reconfigurations by Telephone Company Personnel:** The customer may request that Telephone Company personnel intervene to perform reconfigurations that the customer could otherwise perform without the direct intervention of Telephone Company Personnel.

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TARIFF F.C.C. NO. 1  
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EFFECTIVE: AUGUST 13, 2005

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service  
(Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.12 BellSouth Customer Network Management Service (Cont'd) (C)

(A) General (Cont'd)

(5) Shared BellSouth Customer Network Management Service Arrangement (C)

Multiple customers may include circuits with the BellSouth Customer Network Management Service option in the same BellSouth Customer Network Management Service arrangement, provided all customers designate in writing the same party to serve as their agent. (A BellSouth Customer Network Management Service arrangement consists of all special access (a.k.a. BellSouth SPA) services with BellSouth Customer Network Management Service that can be monitored and reconfigured through the same User Access.) (C)

The agent will be authorized to represent each of those customers in all transactions and communications with the Telephone Company regarding the shared BellSouth Customer Network Management Service arrangement or circuits included in that arrangement including reconfigurations, monitoring, ordering of additional special access (a.k.a. BellSouth SPA) services and BellSouth Customer Network Management Service options in the arrangement, and removal of special access services (a.k.a. BellSouth SPA) from the arrangement. The Telephone Company will not process any customer orders or requests affecting that arrangement or circuits included in that arrangement except those submitted to the Telephone Company by the agent. (C)

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7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.12 BellSouth Customer Network Management Service (Cont'd) (C)

(A) General (Cont'd)

(5) Shared BellSouth Customer Network Management Service Arrangement (C)  
(Cont'd) (C)

The Telephone Company will not be liable for any loss to any of the customers in a shared BellSouth Customer Network Management Service arrangement caused directly or indirectly by actions of the agent or another customer in the shared arrangement. Each customer in the shared arrangement and the agent indemnify the Telephone Company for the costs of any and all claims arising directly or indirectly out of the actions of agent or another customer in the shared arrangement, including, but not limited to, the cost of defending against such claims. (C)

Any customer in a shared BellSouth Customer Network Management Service arrangement must give the Telephone Company 30 days prior written notice of his intent to revoke an agent's authority or to remove his special access (a.k.a BellSouth SPA) services from a shared arrangement. Such notice shall not be effective unless it provides the Telephone Company with specific and sufficient directions regarding treatment of the customer's special access (a.k.a BellSouth SPA) services upon revocation of the agent's authority or removal from the shared arrangement. (C)

(B) Application of Rates

Monthly rates and nonrecurring charges as specified in 7.5.18 following apply for BellSouth Customer Network Management Service. (C)

BellSouth Customer Network Management Service is available under several payment plans: Month-to-Month (with a minimum of one month). Plan A (24-48 Months), Plan B (49-72 Months) or Plan C (73 to 96 Months). These plans are provided under conditions specified in the Channel Service Payment Plan (CSPP), 2.4.8(A) preceding, except as modified following: (C)

- A termination liability charge will be applicable if services provided under a CSPP arrangement are disconnected prior to the end of the chosen service period. The termination charge is equal to the applicable rate, per rate element, under the applicable CSPP rate multiplied by the difference in months between the time the

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.12 BellSouth Customer Network Management Service (Cont'd) (C)

(B) Application of Rates (Cont'd)

service period under the CSPP has been in effect and the minimum service period multiplied by a factor. The factor is 50 percent for services provided under the CSPP that have been in effect twelve months or less, or 20 percent for services provided under the CSPP that have been in effect longer than twelve months.

- No charges apply for the conversion of existing BellSouth Customer Network Management Service under a month-to-month payment plan to a CSPP Arrangement. (C)
- The CSPP selected for Surveillance must be equal to or less than the payment plan of the SMARTRing service (a.k.a. BellSouth SPA SPA Dedicated Ring). The CSPP selected for Reconfiguration must be equal to or less than the payment plan of the associated SMARTRing service (a.k.a. BellSouth SPA SPA Dedicated Ring) Channel Interface(s).
- Dial Access customers under CSPP may move to Web Access without termination liability. The Web Access nonrecurring charge will apply for such a move.

(1) Management Terminal Interface for BellSouth Customer Network Management Service (C)

(a) Dial, Dedicated or Web Access Port to Access BellSouth Customer Network Management Service (C)

An access port is required to access BellSouth Customer Network Management Service regardless of the type of channel connection the customer purchases. The type of access required depends on the type of access the customer desires. (C)

Customers subscribing to dial access and web access must purchase a Security Card as set forth in 13.3.12 following.

Nonrecurring and recurring monthly rates apply. Charges for access ports are contained in 7.5.18 (A).

(2) BellSouth Customer Network Management Service - Channel Connections (C)

(a) Connection of Special Access (a.k.a BellSouth SPA) service to Reconfiguration and Alarm Monitoring Capability.

A DS0/DS1/DS3/STS-1 nonrecurring Connection Charge and a recurring monthly rate are required for each entrance and exit of a special access (a.k.a BellSouth SPA) channel to reconfiguration and monitoring capability.

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TARIFF F.C.C. NO. 1  
2ND REVISED PAGE 7-92.2  
CANCELS 1ST REVISED PAGE 7-92.2  
EFFECTIVE: AUGUST 13, 2005

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### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.12 BellSouth Customer Network Management Service (Cont'd) (C)

##### (B) Application of Rates (Cont'd)

##### (2) BellSouth Customer Network Management Service - Channel Connections (C) (Cont'd) (C)

A nonrecurring charge and a recurring monthly rate is applicable on a per node basis for SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) Channel Connections - Surveillance. Surveillance must be ordered for all nodes on a customer's ring.

A recurring monthly rate is applicable for each SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) Channel Connection - Reconfiguration. A nonrecurring charge is applicable only if a customer orders Reconfiguration subsequent to the initial order of Surveillance. The number of Reconfiguration channel connections the customer orders should equate to the number of SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) channel interfaces on which the customer desires to have reconfiguration capability. If the customer orders Reconfiguration coincident with Surveillance or orders Reconfiguration coincident with the installation of SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) channel interfaces, a nonrecurring charge for the Reconfiguration element does not apply. The subsequent nonrecurring charge is applicable if a customer orders Surveillance and later decides to order Reconfiguration on existing SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) channel interfaces.

Charges for Channel Connections are contained in 7.5.18 following.

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TARIFF F.C.C. NO. 1  
3RD REVISED PAGE 7-93  
CANCELS 2ND REVISED PAGE 7-93  
EFFECTIVE: AUGUST 13, 2005

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.12 BellSouth Customer Network Management Service (Cont'd)

(C)  
(D)

#### (B) Application of Rates (Cont'd)

##### (3) BellSouth Customer Network Management Service Options

(C)  
(D)

###### (a) Subrate Reconfiguration Capability

Nonrecurring charges and recurring monthly rates apply.

###### (b) Partitioning

The Partitioning option incurs a nonrecurring charge. A nonrecurring charge also applies when the customer requests the Telephone Company to sub-divide the control access for his service.

###### (c) Additional User Access

For each Additional User Access a nonrecurring charge and a recurring monthly rate applies.

###### (d) Additional Identification Codes

A nonrecurring charge applies for each additional ID requested.

###### (e) Multipoint Bridging

There will be a nonrecurring charge and a monthly recurring rate for each DS0 bridging leg that is equipped with this capability.

###### (f) Multipoint Junction Unit (MJU)

For each channel of the MJU a nonrecurring charge and a recurring monthly rate will apply. This option must be purchased in units of five (5).

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ISSUED: JULY 29, 2005

TARIFF F.C.C. NO. 1  
4TH REVISED PAGE 7-94  
CANCELS 3RD REVISED PAGE 7-94  
EFFECTIVE: AUGUST 13, 2005

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.12 BellSouth Customer Network Management Service (Cont'd) (C)

###### (B) Application of Rates (Cont'd)

###### (3) BellSouth Customer Network Management Service Options (Cont'd) (C)

###### (g) Reconfigurations By the Telephone Company Personnel

A nonrecurring charge is applicable on each occasion, in 30-minute increments, when the customer requests Telephone Company personnel to perform a reconfiguration or a series of reconfigurations in order to set up point-to-point or multipoint connections, to provide a status report or to establish a conference.

##### 7.4.13 Voice Grade (a.k.a. BellSouth SPA DS0 VG) Rate Stability Plan

###### (A) Description

The Voice Grade (a.k.a. BellSouth SPA DS0 VG) Rate Stability Plan (Plan) will allow customers to stabilize their rates for Voice Grade (a.k.a. BellSouth SPA DS0 VG) special access local channels, and associated Voice Grade (a.k.a. BellSouth SPA DS0 VG) interoffice channels for a fixed service commitment period at the rates specified in 7.7.1(A) and (B), following. The Plan allows such customers to select a service commitment period in monthly intervals, with a minimum of 36 months, and a maximum of 60 months for which rates may be stabilized

In return for this assurance of rate stability, the customer guarantees a specified growth requirement for Voice Grade (a.k.a. BellSouth SPA DS0 VG) local channels as described in 7.4.13.2(A), following.



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TARIFF F.C.C. NO. 1  
2ND REVISED PAGE 7-94.1  
CANCELS 1ST REVISED PAGE 7-94.1  
EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

(T)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.13 Voice Grade (a.k.a. BellSouth SPA DS0 VG) Rate Stability Plan (Cont'd)

###### (A) Description (Cont'd)

The Plan is available only to customers who have requested the Plan prior to January 1, 1995 and who: (1) qualifies based upon the Plan's eligibility requirements; (2) agrees to the Plan's terms and conditions; and (3) pays the appropriate Plan rates and charges. Such customers may, at their option, convert to Voice Grade (a.k.a. BellSouth SPA DS0 VG) service with an Area Commitment Plan (ACP) or a Channel Services Payment Plan (CSPP) as described in 7.4.21 following. Conversion may be made without any application of the termination liability charge as set forth in 7.4.13.5(B) following. Customers who choose to convert to an ACP or CSPP arrangement for Voice Grade (a.k.a. BellSouth SPA DS0 VG) service must convert all existing service under the Plan at one time.

(T)

Customers who choose to remain on the Plan will retain their stabilized rates as set forth in 7.7.1 (A) and (B) following for the remainder of their fixed service commitment period under the Plan.

(T)

The stabilized rates for any customer electing the Plan will not be subject to any Company-initiated rate changes during the service commitment period selected by the customer.

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ISSUED: NOVEMBER 1, 1996

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EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.13 Voice Grade (a.k.a. BellSouth SPA DS0 VG) Rate Stability Plan (Cont'd) (T)

###### 7.4.13.1 Rate Stability Plan Eligibility Requirements

The minimum entrance eligibility requirement for this Plan is 500 voice grade special access local channels provided by BellSouth in the BellSouth region. These local channels may be provided with or without any associated interoffice channels, but any associated interoffice channels must be subject to the Plan.

In addition to meeting this minimum eligibility requirement, customers electing the Plan must also agree to the terms and conditions specified in 7.4.13.2, following.

###### 7.4.13.2 Rate Stability Plan Terms And Conditions

All of the customer's Voice Grade (a.k.a. BellSouth SPA DS0 VG) special access local channels, and any associated interoffice channels, must be subject to the Plan. This requirement applies to all local and interoffice channels existing at the time of Plan election, all local and interoffice channels ordered when the Plan is elected, and all local or interoffice channels added at a subsequent date during the service commitment period. (T)

The minimum service commitment period for which the Voice Grade (a.k.a. BellSouth SPA DS0 VG) Rate Stability Plan is provided and for which stabilized rates and charges are applicable is thirty-six months. (T)

Customers may add Voice Grade (a.k.a. BellSouth SPA DS0 VG) local channels and associated interoffice channels to the Plan at any time during the service commitment period at the stabilized rates. The expiration date of the Plan for any local or interoffice channels added will be coterminous with the original expiration date. (T)

#### (A) Growth Requirement

The customer must guarantee to purchase 10% of the initial number of Voice Grade (a.k.a. BellSouth SPA DS0 VG) local channels established under the Plan on an annual basis for the first 36 months of any service commitment period. After 36 months, the customer shall be required to maintain a local channel count equivalent to 130% of the initial number of local channels ordered and/or converted to the plan for the duration of the service commitment period. This 10% growth will be measured (T)

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ISSUED: NOVEMBER 1, 1996

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2ND REVISED PAGE 7-96  
CANCELS 1ST REVISED PAGE 7-96

EFFECTIVE: DECEMBER 16, 1996

#### ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.4 Rate Regulations (Cont'd)

7.4.13 Voice Grade (a.k.a. BellSouth SPA DSO VG) Rate Stability Plan (Cont'd) (T)

#### 7.4.13.2 Rate Stability Plan Terms And Conditions (Cont'd)

##### (A) Growth Requirement (Cont'd)

on the anniversary of the date on which the customer advises the Telephone Company (by signing a written agreement) of his desire to participate in the Plan. For example, a customer with 1000 voice grade local channels who selects a 60 month service commitment period will have growth requirements as follows:

Anniversary of Year	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
In-Service Quantity Gain	100	100	100	0	0
Percentage of Initial Quantity	110%	120%	130%	130%	130%
Total In-Service Quantity	1100	1200	1300	1300	1300

In the event that the growth requirement as set forth preceding is not met, a nonrecurring Local Channel Shortfall Charge as described in paragraph (B) following, will apply, except as specified in 7.4.13.5(D), following.

##### (B) Local Channel Shortfall Charge

On the twelve month, twenty four month, and thirty six month anniversaries of the service establishment date, the Telephone Company will review each rate stabilized customer's records to ascertain that the growth requirement has been met. On any subsequent anniversaries and at the end of the commitment period, the Telephone Company will review each rate-stabilized customer's records to ascertain that the guaranteed quantity is in service. In the event that a review indicates a shortfall exists between the in-service and guaranteed local channel quantities, a local channel shortfall charge will be assessed for each local channel comprising the deficit, except as specified in 7.4.13.5(D), following.

The Local Channel Shortfall charge is calculated by averaging the customer's applicable two-wire and four-wire Voice Grade (a.k.a. BellSouth SPA DSO VG) Local channel rate and multiplying the average rate by six. (T)

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ISSUED: NOVEMBER 1, 1996

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EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

(T)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.13 Voice Grade Rate Stability Plan (Cont'd)

###### 7.4.13.3 Rate Stability Plan Nonrecurring Charges

Nonrecurring charges for plan establishment apply for each local channel included in the Plan. There are two types of nonrecurring charges for plan establishment: (1) a conversion charge for existing local channels included in the Plan at the time of plan election; and (2) a stabilization charge applicable to new local channels, whether ordered at the time of plan election or ordered as subsequent coterminous additions to the Plan. This establishment charge applies in addition to all other applicable nonrecurring charges specified in 7.5.3(A) and (B), following. The nonrecurring charges for plan establishment are specified in 7.7.1(A) following.

###### 7.4.13.4 Rate Stability Plan Services

The only services rate stabilized under this Plan are those identified as having Voice Grade (a.k.a. BellSouth SPA DS0 VG) transmission capability within the analog 300 to 3000 Hz frequencies, as specified in 7.2.3(A), 7.2.3(B), preceding, and in Technical Publication TR-NWT-000335. The transmission interface specification may be either two-wire or four-wire.

(T)

###### 7.4.13.5 Rate Stability Plan Application

###### (A) Rate Elements Stabilized

###### (1) Recurring Rates

The Voice Grade (a.k.a. BellSouth SPA DS0 VG) Rate Stability Plan stabilizes the recurring rates for the Voice Grade (a.k.a. BellSouth SPA DS0 VG) local channel and voice grade interoffice channel rate elements for the customer and its subsidiaries. The monthly recurring rates for these elements throughout the service commitment period will be the stabilized rates in 7.7.1(A) and (B) following, in effect on the appropriate plan establishment effective date. The Plan establishment effective date is the date on which the customer signs a written agreement for his initial order for rate-stabilized voice grade services, and otherwise meets the Plan's eligibility requirements.

(T)

(T)

(T)

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ISSUED: NOVEMBER 1, 1996

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EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.13 Voice Grade (a.k.a. BellSouth SPA DSO VG) Rate Stability Plan (Cont'd) (T)

###### 7.4.13.5 Rate Stability Plan Application (Cont'd)

###### (A) Rate Elements Stabilized (Cont'd)

###### (1) Recurring Rates (Cont'd)

Different customers may have different plan establishment dates, and stabilized rates offered under this Plan may be different for the different Plan effective dates. However, each customer electing the Plan will have only one service plan establishment effective date, which will apply to all of the customer's rate elements subject to the Plan, whether those rate elements are existing and converted to the Plan, added at the time of plan establishment, or added at a later date during the rate stability service commitment period.

Prior to the expiration of a customer's commitment period, the existing commitment period may be replaced by a currently offered Voice Grade (a.k.a. BellSouth SPA DSO VG) Rate Stability Plan period, at the stabilized rates then in effect. A customer choosing a new commitment period will not incur termination liability charges if the length of the new commitment period is equal to or longer than the time remaining in the existing service agreement. However, one-half the nonrecurring conversion charge will apply for local channels converted to the new plan period. Billing for any services added to the Plan will be at the stabilized rate level. However, billing will not begin until the services are installed. (T)

The Plan does not apply to the nonrecurring charges applicable for service installation. The charges specified in 7.5.3 (A) and (B), following will apply.

The Plan does not apply to the rates and charges for optional features and functions. Rates and charges specified in 7.5.3(C), following, apply for any optional features or functions required, whether existing or ordered at the time of plan election, or added at some future date.

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

7.4 Rate Regulations (Cont'd)

7.4.13 Voice Grade (a.k.a. BellSouth SPA DS0 VG) Rate Stability Plan (Cont'd) (T)

7.4.13.5 Rate Stability Plan Application (Cont'd)

(B) Termination Liability

A Termination Liability Charge shall apply to customers requesting complete termination of the Rate Stability Plan prior to the expiration of the selected service commitment period unless the customer has established a new plan as described in 7.4.13.5(A)(1), preceding or in 7.4.13.5(D), following. The Termination Liability Charge is calculated by multiplying the average of the two-wire and the four-wire Voice Grade (a.k.a. BellSouth SPA DS0 VG) local channel rates in effect on the date the Plan was established by the guaranteed quantity as determined on the previous plan establishment anniversary date, times the number of whole months remaining in the selected service commitment period. (T)

(C) Plan Expiration

At the end of the service commitment period, the customer may choose either of the following options: (1) on the expiration date of the initial service commitment period, the customer's rates for the services subject to the Plan will convert to the rates then in effect in 7.5.3(A) and (B), or (2) the customer may elect a new rate stability plan, subject to the terms and conditions then in effect for the Voice Grade (a.k.a. BellSouth SPA DS0 VG) Rate Stability Plan. If the customer chooses to convert to a new rate stability plan, the new plan establishment effective date will be the day following the expiration date of the initial plan. Stabilized rates for the new plan will be the appropriate rates from 7.7.1, following, for the new plan establishment effective date. Option 1 will be the default in the event the customer does not notify the Company of its intentions prior to the Plan's expiration. No Termination Liability Charges will apply after expiration of the initial Plan, unless the customer has made those services subject to a new plan. (T)

(D) Service Upgrades

Prior to the expiration of a customer's selected service commitment period, the customer may request service provided under the Rate Stability Plan to be upgraded to a higher order of service provided by the Company (i.e., digital services) under the terms of the Channel Services Payment Plan (CSPP) as stipulated in 2.4.8(A) preceding.

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ISSUED: NOVEMBER 1, 1996

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CANCELS ORIGINAL PAGE 7-99.1

EFFECTIVE: DECEMBER 16, 1996

ACCESS SERVICE

7 - Special (a.k.a. BellSouth SPA) Access Service (Cont'd) (T)

7.4 Rate Regulations (Cont'd)

7.4.13 Voice Grade (a.k.a. BellSouth SPA DSO VG) Rate Stability Plan (Cont'd)

7.4.13.5 Rate Stability Plan Application (Cont'd)

(D) Service Upgrades (Cont'd)

- (1) The customer may request that all service provided under the Rate Stability Plan be upgraded to a higher order of service. The Termination Liability Charge described in (B) preceding shall not apply for such service disconnects subject to all of the following conditions:
  - (a) The length of the payment period for the higher order of service shall be equal to the time that was remaining on the Rate Stability Plan or the minimum payment period available under CSPP, whichever is greater.
  - (b) The customer shall have six months from the time the initial request for service upgrade is made to place all orders to convert the Rate Stability Plan services to the desired higher order of service. This time period shall be referred to as the conversion period.
  - (c) During the conversion period, rates from the Rate Stability Plan shall continue to apply for the customer's Voice Grade (a.k.a. BellSouth SPA DSO VG) services. During the conversion period, the Growth Requirement and Local Channel Shortfall Charge will not apply. (T)
  - (d) The service orders to install the new higher order of service and disconnect the old service are related together and received by the Telephone Company at the same time, and there is no lapse in service between installation of the higher order of service and disconnection of the existing service. (T)
- (2) The customer may request that a portion of service provided under the Rate Stability Plan be upgraded to a higher order of service. The Termination Liability Charge described in (B) preceding shall not apply for such service disconnects subject to all of the following conditions:
  - (a) The length of the payment period for the higher order of service shall be equal to the time that was remaining on the Rate Stability Plan or the minimum payment period available under CSPP, whichever is greater.

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ISSUED: NOVEMBER 1, 1996

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1ST REVISED PAGE 7-99.2  
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EFFECTIVE: DECEMBER 16, 1996

#### ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

7.4 Rate Regulations (Cont'd)

7.4.13 Voice Grade (a.k.a. BellSouth SPA DS0 VG) Rate Stability Plan (Cont'd) (T)

7.4.13.5 Rate Stability Plan Application (Cont'd)

(D) Service Upgrades (Cont'd)

(2) (Cont'd)

(b) The customer shall have six months from the time the initial request for service upgrade is made to place all orders to convert the Rate Stability Plan services to the desired higher order of service. This time period shall be referred to as the conversion period. At the end of the conversion period, Voice Grade (a.k.a. BellSouth SPA DS0 VG) services not converting to a higher order of service shall be treated as follows: (T)

- If the total quantity of Voice Grade (a.k.a. BellSouth SPA DS0 VG) service to remain still meets the minimum originally established to qualify for the Rate Stability Plan, such service shall remain under the existing Rate Stability Plan. (T)

- If the total quantity of Voice Grade (a.k.a. BellSouth SPA DS0 VG) service to remain does not meet the minimum originally established for the Rate Stability Plan but does meet the minimum criteria stated in this tariff to establish a new Rate Stability Plan, such service may be converted to a new Rate Stability Plan at the end of the conversion period without Termination Liability Charge from the prior plan and shall not incur any nonrecurring charges for the establishment of the new plan. During the conversion period, the Growth Requirement and Local Channel Shortfall Charge shall not apply for the original plan. (T)

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TARIFF F.C.C. NO. 1  
1ST REVISED PAGE 7-99.3  
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EFFECTIVE: DECEMBER 16, 1996

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

7.4 Rate Regulations (Cont'd)

7.4.13 Voice Grade (a.k.a. BellSouth SPA DS0) Rate Stability Plan (Cont'd) (T)

7.4.13.5 Rate Stability Plan Application (Cont'd)

(D) Service Upgrades (Cont'd)

(2) (Cont'd)

(b) (Cont'd)

- If the total quantity of Voice Grade (a.k.a. BellSouth SPA DS0) service to remain does not meet the minimum originally established to qualify for the Rate Stability Plan and does not meet the minimum to establish a new Rate Stability Plan for such service, the Voice Grade services not converted to a higher order service shall revert to the existing month-to-month rate for such Voice Grade services at the end of the conversion period. During the conversion period, the Growth Requirement and Local Channel Shortfall Charge shall not apply for the original plan. (T)

(c) The service orders to install the new higher order of service and disconnect the old service are related and received by the Telephone Company at the same time, and there is no lapse in service between installation of the higher order of service and disconnection of the existing service. (T)

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ISSUED: SEPTEMBER 29, 2003

TARIFF F.C.C. NO. 1  
9TH REVISED PAGE 7-100  
CANCELS 8TH REVISED PAGE 7-100

EFFECTIVE: SEPTEMBER 30, 2003

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.14 Self-healing Rings

###### (A) Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing) Service (a.k.a. BellSouth SPA Dedicated Ring)

Monthly rates and charges as specified in 7.5.14 following apply for each SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). Customers must specify network capacity at the time of the initial order. In an Overlay Ring Arrangement where a customer's overlaying SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) rides the customer's host SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), 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-24, OC-48, OC-48+, OC-192, and OC-192+ capacity levels include Customer Nodes, Central Office Nodes, Local Channels, Alternate Central Office Channels, Interoffice Channels and Internodal Channels. OC-24 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) is only available to existing CSPP customers or under month-to-month arrangements. Rate categories for OC-1 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) include Customer Nodes and Central Office Nodes. Channel Interfaces are required at each node on the network and must be associated with a SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). An OC-1 Overlay Ring Arrangement requires an OC-1 Channel Interface at each node involved. 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 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 or STS-1 Channel Interface. (C)

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EFFECTIVE: SEPTEMBER 30, 2000

ACCESS SERVICE

(N)

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

(N)

7.4 Rate Regulations (Cont'd)

(N)

7.4.14 Self-healing Rings

(N)

(A) Self-healing Multi-nodal Alternate Route Topology Ring  
(SMARTRing) Service (a.k.a. BellSouth SPA Dedicated Ring) (Cont'd)

(N)

(N)

Nonrecurring charges for Local, Alternate Central Office, Interoffice and Internodal Channels apply for each channel for month-to-month customers. Nonrecurring charges are not applicable when the ring level rate elements and channel interfaces are ordered under TPP arrangements. SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) ring level rate elements are defined as following: Local Channel, Interoffice Channel, Internodal Channel, Alternate Central Office Channel, Customer Node and Central Office Node. Nonrecurring charges do apply for the Channel Interface Reallocation rate element and the SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) rearrangement rate elements (Surveillance and Reconfiguration) for CSPP and TPP customers. When the customer requests two separate routes and the routing is provided as described in 7.2.11(A) preceding, charges apply for the Local Channels and any Interoffice Channels on the requested route. Recurring charges for Local, Alternate Central Office, Interoffice and Internodal Channels apply for each quarter air mile increment of the channel. Fractions of a quarter mile will always round up to the next quarter air 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.

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7TH REVISED PAGE 7-101  
CANCELS 6TH REVISED PAGE 7-101  
EFFECTIVE: SEPTEMBER 30, 2003

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.14 Self-healing Rings (Cont'd)

###### (A) Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing) Service (a.k.a. BellSouth SPA Dedicated Ring) (Cont'd)

For Internodal Channels, charges apply as appropriate either for the same wire center area or contiguous serving wire center areas, as specified in 7.5 14(A)(4).

Nonrecurring charges for Customer Nodes and Central Office Nodes apply per node for month-to-month customers and are based upon the capacity of the ring configuration. Nonrecurring charges are not applicable when the preceding rate elements are ordered under TPP arrangements. Recurring rates for Customer and Central Office Nodes apply per node and are also based upon the capacity of the ring configuration.

When the customer orders an OC-1 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) Overlay Ring Arrangement riding the customer's host OC-12, OC-48, or OC-48+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), recurring charges apply per OC-1 Customer Node and/or OC-1 Central Office Node, in addition to the recurring and nonrecurring charges for associated Channel Interfaces.

When the customer orders an OC-3 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) service Overlay Ring Arrangement riding the customer's host OC-12, OC-48, OC-48+, OC-192, or OC-192+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), recurring charges apply per OC-3 Customer Node and/or OC-3 Central Office Node, in addition to the recurring and nonrecurring charges for associated Channel Interfaces. Nonrecurring charges only apply for month-to-month customers. (C)

When the customer orders an OC-3+ or OC-12 Overlay Ring Arrangement riding the customer's host OC-48, OC-48+, OC-192, or OC-192+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), recurring charges apply per OC-3+ and/or OC-12 Customer Node and/or per OC-3+ and/or OC-12 Central Office Node, in addition to the charges for associated Channel Interfaces. Nonrecurring charges only apply for month-to-month customers. (C)

When the customer orders an OC-3, OC-3+, OC-12 or OC-48 SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) service Overlay Ring Arrangement riding the customer's host OC-192 or OC-192+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), recurring charges apply per OC-3, OC-3+, OC-12 or OC-48 Customer Node and/or OC-12 or OC-48 Central Office Node, in addition to the recurring and nonrecurring charges for associated Channel Interfaces. Nonrecurring charges only apply for month-to-month customers. (C)

In all Overlay Ring Arrangements, the number of OC-1, OC-3, OC-12 and/or OC-48 Channel Interfaces required will be based upon the characteristics of the overlaying ring.

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TARIFF F.C.C. NO. 1  
7TH REVISED PAGE 7-101.1  
CANCELS 6TH REVISED PAGE 7-101.1  
EFFECTIVE: SEPTEMBER 30, 2003

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.14 Self-healing Rings (Cont'd)

###### (A) Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing) Service (a.k.a. BellSouth SPA Dedicated Ring) (Cont'd)

The rates for Customer Channel Interfaces apply for each origination and for each termination of an activated DS1, DS3, STS-1, OC-3, OC-12, OC-48, and/or 1000 Mbps at the Customer Node. For interfaces ordered on a month-to-month basis the nonrecurring charge applies per interface. For interfaces ordered under CSPP, nonrecurring charges are established on a per order basis for the first DS1, DS3, STS-1, OC-3 and/or OC-12 which originates or terminates at a Customer Node and for each additional DS1, DS3, STS-1, OC-3 and/or OC-12 which originates or terminates at the same Customer Node. For interfaces ordered under TPP, there are no nonrecurring charges associated with the installation. The recurring rate applies on a per Customer Node basis for each origination and for each termination of an activated DS3 and/or DS1 at a Customer Node. (C)

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. When an optical circuit is provisioned as concatenated at the time the circuit is installed, there is no additional charge for provisioning it as concatenated. When an existing non-concatenated optical circuit is requested to be reconfigured as concatenated, a concatenation rearrangement charge shall apply. This rearrangement charge shall also apply for existing concatenated circuits that are requested to be converted to non-concatenated.

Customers may request a C-Bit Parity framing format for a DS3 level circuit. If the request is made at the time the circuit is installed, there is no additional charge. When a request for C-Bit Parity framing format is made for an existing circuit, a nonrecurring charge will be applicable for rearranging the framing format on the circuit. This charge will also be applicable if a customer requests that the C-Bit Parity framing format be removed from a circuit. This charge is specified in 7.5.17 following and is applied on a per circuit basis.

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ISSUED: JULY 29, 2005

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2ND REVISED PAGE 7-101.2  
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EFFECTIVE: AUGUST 13, 2005

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.14 Self-healing Rings (Cont'd)

###### (A) Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing) Service (a.k.a. BellSouth SPA Dedicated Ring) (Cont'd)

In addition, OC-12 and or OC-48 customers with DS3 and/or STS-1 interfaces at the Customer Node electing to connect with DS1 services at a Central Office Node, must obtain a 28 DS1 Channel System and the appropriate number of DS1 Channel Interfaces in lieu of a DS3 or STS-1 Channel Interface. A maximum of 28 DS1 Channel Interfaces can be activated for each 28 DS1 Channel System utilized. For service ordered under CSPP, nonrecurring charges are established on a per order basis for the first 28 DS1 Channel System and for each additional 28 DS1 Channel System at that same Central Office Node. Nonrecurring charges are also established for the first DS1 Channel Interface which originates/terminates in a 28 DS1 Channel System and each additional DS1 Channel Interface which originates/terminates in that same DS1 Channel System. For DS1 Channel Systems ordered under TPP, nonrecurring charges do not apply. For DS1 Channel Systems ordered on a month-to-month basis, nonrecurring charges apply. The recurring rate applies for each 28 DS1 Channel System and each DS1 Channel Interface activated per Central Office Node.

A nonrecurring charge applies for SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) Surveillance, one for each Customer Node and each Central Office Node, per SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) 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 BellSouth Customer Network Management Service to an existing SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) as set forth in 7.2.11(A) preceding.

(C)  
(C)

For the purposes of Cancellation Charge Percentages relating to a customer's canceling an order for 10 Mbps, 100Mbps or Fractional 1000 Mbps interfaces, the percentages associated with HICAP (a.k.a. BellSouth SPA High Capacity), as found in 5.4(B)(4)(e), shall be utilized.

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TARIFF F.C.C. NO. 1  
8TH REVISED PAGE 7-102  
CANCELS 7TH REVISED PAGE 7-102  
EFFECTIVE: DECEMBER 19, 2001

## ACCESS SERVICE

### 7 - Special Access (a.k.a BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.14 Self-healing Rings (Cont'd)

###### (A) Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing Service) (a.k.a. BellSouth SPA Dedicated Ring) (Cont'd)

For CSPP customers, first and additional nonrecurring charges will be applied when ordering the same rate element between the same locations with the same installation date. First and additional nonrecurring changes are not applicable under TPP arrangements.

SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) purchased prior to August 23, 1996, is available under several CSPP arrangements: Plan A (24-48 Months), Plan B (49-72 Months) or Plan C (73-96 Months). Renewals of existing SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) or purchases of new SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) on or after August 23, 1996, will only be available under TPP arrangements. In order to accommodate more flexible customer situations, SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) is available under several TPP arrangements: Plan A (12-36 Months), Plan B (37-60 Months) or Plan C (61-96 Months). Month-to-month arrangements (with a minimum of four months) are available for SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring).

CSPP and TPP arrangements are provided under the terms and conditions specified in 2.4.8 preceding, except as modified following. For all payment plans, the following regulations apply:

- (1) SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), whether initially or subsequently ordered in conjunction with BellSouth Dedicated Ring, must be provided under the same TPP payment plan with the same service period and both services are to be coterminous.

All rate elements, for a given SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) (i.e., Local Channel, Alternate Central Office Channel, Internodal Channel, Interoffice Channel, Customer Node, and Central Office Node), whether initially or subsequently ordered, must be provided under the same payment plan with the same service period and are coterminous upon disconnect of the SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). However, Channel Interfaces, except those utilized to interface an overlaying ring with its host ring, may be provided under a monthly rate arrangement which is greater than, equal to or less than the payment plan for the associated SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). Customers with Channel Interfaces provided under a CSPP payment period which began prior to August 22, 1994, may convert those Channel Interfaces to a month-to-month or payment plan arrangement which is equal to or less than the payment plan for the associated SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), at the current rates and charges.

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.14 Self-healing Rings (Cont'd)

(A) Self-healing Multi-nodal Alternate Route Topology Ring  
(SMARTRing Service) (a.k.a. BellSouth SPA Dedicated Ring) (Cont'd)

In a shared network arrangement, where the host subscriber and the connecting service user subscribes to services under CSPP or TPP arrangements, the payment periods for directly associated channelized rate elements must be equal to or less than the payment periods for the host service, or the service user must order those rate elements under month-to-month payment terms. Where the host subscriber receives services under month-to-month payment terms, a connecting user must also receive directly associated channelized rate elements under month-to-month payment terms.

(M)  
(M)  
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(M)

- (2) The rates applicable to a month-to-month payment plan are subject to Telephone Company initiated charges.

(M)  
(M)

- (3) For CSPP customers, a termination liability charge will be applicable if services are disconnected prior to the end of the chosen service period. The applicable charge is equal to the number of months remaining in the rate stabilized service period times 60% of the monthly rates for SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) which includes all Nodes, Channel Interfaces, Local Channels, Alternate Central Office Channels, Internodal Channels and/or Interoffice Channels provided under the CSPP arrangement.

Termination liability charges for SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) TPP customers are applicable as specified in 2.4.8(D) preceding.

- (4) When a service period under an existing CSPP or TPP arrangement is completed and a customer elects to revert to a month-to-month payment option, no minimum period is applicable.

The TPP customer of record will have a 60 day grace period after which month-to-month rates will apply.

- (5) Customers may upgrade from a lower capacity SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) to a higher capacity SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) without incurring any termination charges if the following conditions are met:



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TARIFF F.C.C. NO. 1  
10TH REVISED PAGE 7-103  
CANCELS 9TH REVISED PAGE 7-103  
EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

### 7.4 Rate Regulations (Cont'd)

#### 7.4.14 Self-healing Rings (Cont'd)

(A) Self-healing Multi-nodal Alternate Route Topology Ring  
(SMARTRing Service) (a.k.a. BellSouth SPA Dedicated Ring) (Cont'd) (T)

(5) (Cont'd)

(a) the order for the upgraded SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) and the order for the disconnect of the existing SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) are received by the Telephone Company at the same time, (T)

(b) the new SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) is provided between the same customer and Central Office locations as the discontinued SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), (T)

(c) the number of Channel Interfaces activated under the new capacity SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) is greater than the number of Channel Interfaces activated under the existing capacity SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). (T)

(d) the expiration date of the new SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) payment plan is subsequent to the payment plan of the ring being discontinued. (T)

(6) Customers may also upgrade existing SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) to a new SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) of the same capacity without incurring a termination liability charge, if the customer is concurrently ordering a new capability which cannot be provisioned with the existing SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) and if the conditions set forth in (5) above are met. (T)

(7) All customers ordering a SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) under CSPP payment plans on or after August 22, 1994 but prior to February 22, 1995 or on or after May 22, 1995 but prior to July 21, 1995, with a Service Establishment Date of no more than one year from the customer order date will be allowed up to a maximum of 60 days from the Service Establishment Date to convert existing LightGate service (a.k.a. BellSouth SPA Point to Point Network). (T)

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ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.14 Self-healing Rings (Cont'd)

(A) Self-healing Multi-nodal Alternate Route Topology Ring  
(SMARTRing Service) (a.k.a. BellSouth SPA Dedicated Ring) (Cont'd)

(7) (Cont'd)

before ring level billing begins. Recurring charges for ring level billing will be effective beginning on the 61st day following the Service Establishment Date, or upon completion of the conversion from LightGate service (a.k.a. BellSouth SPA Point to Point Network), whichever date occurs first. Nonrecurring charges for ring level elements will be billed effective with the Service Establishment Date. The CSPP payment period will begin with the effective billing date.

Ring level billing is defined as billing for the following rate elements: Local Channel, Interoffice Channel, Internodal Channel Alternate Central Office Channel, Customer Node and Central Office Node. Billing for Customer Channel Interfaces and Central Office Channel Interfaces recurring and nonrecurring charges will be effective upon activation to the SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring).

If the Service Establishment Date extends beyond one year from the customer's order date due to Telephone Company reasons, the preceding conversion provisions apply. If the Service Establishment Date extends beyond one year from the customer's order date for other reasons, the preceding conversion provisions do not apply and billing for all recurring and nonrecurring charges will be effective with the Service Establishment Date.

- (8) For conversions of LightGate service (a.k.a. BellSouth SPA Point to Point Network), BellSouth SPA Managed Shared Network Service or SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) to OC-12, OC-48, OC-48+, OC-192 or OC-192+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) and for conversions of SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) to a higher capacity SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) arrangement, customers will be allowed to defer the start of SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) ring level billing when the new service arrangement is provided under the Transport Payment Plan, as described in Section 2.4.8 preceding. The period of deferred billing shall be based on the Telephone Company's estimation of the time required for conversion, up to a maximum of 60 days. This applies to orders for new service associated with conversions, as described above, or orders associated with a project for conversion that is pending completion, as of April 30, 2005. For orders associated with

(N)  
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(N)  
(N)  
(N)  
(N)  
(N)  
(N)  
(N)  
(N)  
(N)  
(N)  
(M)

Certain material previously appearing on this page now appears on Original Page 7-103.1.0.1.

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.14 Self-healing Rings (Cont'd)

(A) Self-healing Multi-nodal Alternate Route Topology Ring  
(SMARTRing Service) (a.k.a. BellSouth SPA Dedicated Ring) (Cont'd)

(8) (Cont'd)

a project for conversion that is pending completion, the deferred start of ring level billing shall be accomplished via credits to the customer's bill. For upgrades, as described above, that are completed in less than 60 days, the deferred start of ring level billing shall be associated with the completion of the upgrade. Customer's SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) TPP arrangements shall begin after the deferral period and continue to completion, as described in Section 2.4.8 preceding, for the customers selected TPP commitment period.

Ring level billing is defined as billing for the following rate elements: Local Channel, Interoffice Channel, Internodal Channel Alternate Central Office Channel, Customer Node and Central Office Node. Billing for Customer Channel Interfaces and Central Office Channel Interfaces recurring will be effective upon activation of the interface and is not available for deferred billing.

In case of a service outage associated with SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) ring level rate elements that have deferred billing, as described above, for new service associated with conversions or service associated with a project for conversion that is pending completion, a service outage credit will not apply.

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

A Virtual Packet Ring Rearrangement charge applies for the complete removal of a Virtual Packet Ring from a SMARTRing service. This charge does not apply to an increase or decrease in the size of a Virtual Packet Ring or to changes involving the addition or removal of individual nodes on the ring. (N)

7.4.15 Digital Data Access Service (a.k.a. BellSouth SPA DSO Digital Data)

Monthly rates and nonrecurring charges as specified in 7.5.8 following apply for Digital Data Access Service (a.k.a. BellSouth SPA DSO Digital Data).

DDAS (a.k.a. BellSouth SPA DSO Digital Data) is available under several payment plans: Month-to-Month (with a minimum of one month), Plan A (24-48 Months) or Plan B (49-72 Months). Plans A and B are provided under conditions specified in the Channel Services Payment Plan (CSPP), 2.4.8(A) preceding, except as modified following:

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TARIFF F.C.C. NO. 1  
2ND REVISED PAGE 7-103.1.1  
CANCELS 1ST REVISED PAGE 7-103.1.1

EFFECTIVE: DECEMBER 16, 1996

#### ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.4 Rate Regulations (Cont'd)

7.4.15 Digital Data Access Service (a.k.a. BellSouth SPA DSO Digital Data) (Cont'd) (T)

- (A) A termination liability charge will be applicable if services provided under a CSPP arrangement are disconnected prior to the end of the chosen service period. The termination charge is equal to the applicable rate per rate element for the current time the CSPP contract has been in effect and the minimum contract length multiplied times a factor. The factor is 50 percent for contracts that have been in effect twelve months or less, or 20 percent for contracts that have been in effect longer than twelve months.
- (B) No charges apply for the conversion of existing DDAS (a.k.a. BellSouth SPA DSO Digital Data) under a month-to-month payment plan to a CSPP Arrangement. (T)  
(T)
- (C) Plan C offered under the CSPP arrangement, as specified in 2.4.8(A) preceding, is not available for DDAS (a.k.a. BellSouth SPA DSO Digital Data). (T)  
(T)
- (D) In order to accommodate more flexible customer situations, certain elements of Digital Data Access Service (a.k.a. BellSouth SPA DSO Digital Data) are available under an Area Commitment Plan (ACP) as described in 2.4.8(B) preceding. The ACP commitment for DDAS (a.k.a. BellSouth SPA DSO Digital Data) is made based on a commitment level of lowspeed and a commitment level of highspeed local channels and interoffice channel miles. The DDAS (a.k.a. BellSouth SPA DSO Digital Data) Interoffice Channel - Fixed rate element will receive the same rate treatment for credits and shortfall charges as long as the associated circuit mileage qualifies under the ACP. The ACP A and ACP B rates for DDAS (a.k.a. BellSouth SPA DSO Digital Data) are the same as the CSPP Plan A and Plan B rates. (T)  
(T)  
(T)  
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(T)  
(T)  
(T)

A Data Over Voice Channel at 9.6 Kbps is available as an optional feature of DDAS (a.k.a. BellSouth SPA DSO Digital Data) and may be used in lieu of a lowspeed DDAS (a.k.a. BellSouth SPA DSO Digital Data) local channel optioned for 9.6 Kbps transmission. The customer must also subscribe to a compatible two-wire local exchange line (e.g., business exchange line). This two-wire exchange line and its associated rates and charges are in addition to the Data Over Voice Channel rates and charges. (T)  
(T)

7.4.16 DS1 High Capacity (a.k.a. BellSouth SPA DS1) Service (T)

Monthly rates and nonrecurring charges as specified in 7.5.9 following apply for DS1 High Capacity (a.k.a. BellSouth SPA DS1) service. (T)

DS1 High Capacity (a.k.a. BellSouth SPA DS1) service is available under several payment plans: Month-to-month (with a minimum of one month), Plan A (24-48 Months) or Plan B (49-72 Months). Plans A and B are provided under conditions specified in the Channel Services Payment Plan (CSPP), 2.4.8(A) preceding, except as modified following: (T)

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ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.16 DS1 High Capacity (a.k.a. BellSouth SPA DS1) Service

- (A) A termination liability charge will be applicable if services provided under a CSPP arrangement are disconnected prior to the end of the chosen service period. The termination charge is equal to the applicable rate per rate element for the current contract multiplied times the difference in months between the time the CSPP contract has been in effect and the minimum contract length multiplied times a factor. The factor is 50 percent for contracts that have been in effect twelve months or less, or 20 percent for contracts that have been in effect longer than twelve months.
- (B) No charges apply for the conversion of existing DS1 High Capacity (a.k.a. BellSouth SPA DS1) service under a month-to-month payment plan to a CSPP arrangement.
- (C) Plan C offered under the CSPP arrangement, as specified in 2.4.8(A) preceding, is not available for DS1 High Capacity (a.k.a. BellSouth SPA DS1) service.

In order to accommodate more flexible customer situations, certain elements of DS1 High Capacity (a.k.a. BellSouth SPA DS1) service are available under an Area Commitment Plan (ACP) as described in 2.4.8(B) preceding. ACP for DS1 High Capacity (a.k.a. BellSouth SPA DS1) service is made available for local channels, interoffice channel miles and basic channelization. DS1 High Capacity (a.k.a. BellSouth SPA DS1) Interoffice Channel-Fixed rate elements will receive the same rate treatment for credits and shortfall charges as long as the associated circuit mileage qualifies under the ACP. The ACP A and ACP B rates for DS1 service are the same as the Plans A and B rates shown for CSPP.

(D)(x)  
(D)(x)  
(D)(x)

7.4.17 Commercial Quality Video (a.k.a. BellSouth SPA Commercial Quality Video) Service

Commercial Quality Video (a.k.a. BellSouth SPA Commercial Quality Video) is available in two configurations - a Single Video System and a Multiple Channel Video System.

- (A) The Single Channel Video System provides one video signal between two end locations. A customer wishing to change from a Single Channel Video System to a Multiple Channel Video System must disconnect the Single Channel Video System and order a Multiple Channel Video System incurring all associated nonrecurring charges.

x Issued to become effective on March 12, 2005 under Authority of Special Permission No. 05-014.

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TARIFF F.C.C. NO. 1  
5TH REVISED PAGE 7-103.3  
CANCELS 4TH REVISED PAGE 7-103.3  
EFFECTIVE: DECEMBER 29, 2001

#### ACCESS SERVICE

#### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

#### 7.4.17 Commercial Quality Video (a.k.a. BellSouth SPA Commercial Quality Video) Service (Cont'd)

(B) The Multiple Channel Video System provides video signals in the same direction and between the same two end locations. The Multiple Channel Video System is available with a maximum of eight video channels. A customer served by a Multiple Channel Video System may choose to activate one video channel. However, if a customer served by a Multiple Channel Video System chooses to change to a Single Channel Video System, the Multiple Channel Video System must be disconnected and a Single Channel Video System ordered with all associated nonrecurring charges incurred.

(C) Commercial Quality Video (a.k.a. BellSouth SPA Commercial Quality Video) service is available under a month to month rate option on or after December 29, 2001. (C)

(D) For customer subscribing to Commercial Quality Video Service prior to December 29, 2001, service is available under several payment options: (N)  
Month-to-Month or under Channel Services Payment Plans for either Plan A (N)  
(24-48 Months) or Plan B (49-72 Months). Plans A and B are provided (N)  
under conditions specified in the Channel Services Payment Plan, (CSPP) (N)  
Section 2.4.8 preceding, except as modified following. For all payment (N)  
plans, the following regulations apply: (N)

(1) All rate elements, for a given Commercial Quality Video (a.k.a. BellSouth SPA Commercial Quality Video) service, must be provided under the same payment plan with the same service period and are coterminous upon disconnect of the Commercial Quality Video (a.k.a. BellSouth SPA Commercial Quality Video) service.

(2) A termination liability charge will be applicable if services provided under a CSPP arrangement are disconnected prior to the end of the chosen service period. The applicable charge is equal to the number or months remaining in the rate stabilized service period times 60% of the monthly rates for Commercial Quality Video (a.k.a. BellSouth SPA Commercial Quality Video) service which includes Local Channels and Interoffice Channels provided under the CSPP arrangement. Termination Liability charges are not applicable for Commercial Quality Video (a.k.a. BellSouth SPA Commercial Quality Video) service under month-to-month rates. (C)

Customers may upgrade a Single Channel Video System under a CSPP to a Multiple Channel Video System under a CSPP without incurring any termination charges when:

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3RD REVISED PAGE 7-103.3.1  
CANCELS 2ND REVISED PAGE 7-103.3.1  
EFFECTIVE: DECEMBER 29, 2001

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.4.17 Commercial Quality Video (a.k.a. BellSouth SPA Commercial Quality Video) Service (Cont'd)

- (a) the completed service period is 12 months, or 25% of the length of the originally selected CSPP service period, whichever is greater, and
- (b) the service period of the new CSPP arrangement for the Multiple Channel Video System is equal to or longer than the remaining service period of the disconnected Single Channel Video System, and
- (c) the service orders to install the Multiple Channel Video System and disconnect the Single Channel Video System are related together and received by the Telephone Company at the same time, and there is no lapse in service between installation of the Multiple Channel Video System and the disconnection of the existing Single Channel Video System.

- (a) the completed service period is 12 months, or 25% of the length of the originally selected CSPP service period, whichever is greater, and
- (b) the service period of the new CSPP arrangement for Modular Video Transport Service is equal to or longer than the remaining service period of the disconnected Commercial Quality Video Service, and
- (c) the service orders to install service under Modular Video Transport Service and disconnect service under Commercial Quality Video Service are related together and received by the Telephone Company at the same time, and there is no lapse in service between installation of Modular Video Transport Service and the disconnection of Commercial Quality Video Service.

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TARIFF F.C.C. NO. 1  
2ND REVISED PAGE 7-103.4  
CANCELS 1ST REVISED PAGE 7-103.4  
EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.18 Derived Data Channel Service (DDCS)

###### (A) Rate Regulations

The derived data channel charges provide the central office data/voice multiplexing capability. The customer must also subscribe to a compatible two-wire local exchange line (e.g., business exchange line). This two-wire exchange line and its associated rates and charges are in addition to the derived data channel rates and charges.

The DSO-B interface charge is applicable for each group of a maximum of twenty multiplexed derived data channels. Each of the twenty channels in a DSO-B interface channel group operates at a bit rate of 2.4 Kbps. An interoffice channel is required when the customer's serving wire center and the serving wire center of the customer's terminating premises are not the same.

Monthly rates and nonrecurring charges specified in 7.5 following apply for DDCS.

DDCS is available under several payment plans: Month-to-month (with a minimum of one month), Plan A (24-48 Months) or Plan B (49-72 Months). Plans A and B are provided under conditions specified in the Channel Services Payment Plan (CSPP), 2.4.8(A) preceding, except as modified following:

1. A termination liability charge will be applicable if services provided under a CSPP arrangement are disconnected prior to the end of the chosen service period. The applicable charge is equal to the number of months remaining in the rate stabilized service period times 60% of the monthly rates for DDCS services provided under the CSPP arrangement.
2. No charges apply for the conversion of existing DDCS under a month-to-month payment plan to a CSPP arrangement.
3. Plan C offered under the CSPP arrangement, as specified in 2.4.8(A) preceding, is not available for DDCS.

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ISSUED: JULY 29, 2005

TARIFF F.C.C. NO. 1  
4TH REVISED PAGE 7-103.5  
CANCELS 3RD REVISED PAGE 7-103.5

EFFECTIVE: AUGUST 13, 2005

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.19 SMARTPath Service (a.k.a. BellSouth SPA DS1 Shared Ring)

###### (A) SMARTPath Service (a.k.a. BellSouth SPA DS1 Shared Ring)

Monthly rates and charges as specified in 7.5.16 following, apply for each SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring). The transport provided within a SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) area is provided at 1.544 Mbps. Rate categories include a SMARTPath Area Connection and a SMARTPath Area Junction.

The SMARTPath Area Connection rate element provides for the originating connection at the designated premises where the customer gains access to SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) and transport to a designated junction on the network. The SMARTPath Area Junction rate element provides for the connection between the SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) network and (1) another customer-designated premises, in the same SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) area or (2) a serving wire center in the same SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) area for connection to (a) DS1 Basic Channelization, BellSouth Customer Network Management Service, LightGate service (a.k.a. BellSouth SPA Point to Point Network), or SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) as provided in Section 7 of this tariff, or BellSouth Expanded Interconnection Services under Section 20 of this Tariff, or (b) a SMARTPath Area Junction of another SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) area in the same Metropolitan Area.

(C)  
(C)

Recurring and nonrecurring charges apply for each SMARTPath Area Connection and SMARTPath Area Junction.

SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) is available under several payment plans: Month-to-month (with a 4 month minimum), Plan A (24-48 Months), Plan B (49-72 Months), ACP A (24-48 Months), or ACP B (49-72 Months), Plan A and B are provided under conditions specified in the Channel Services Payment Plan, (CSPP) 2.4.B(A) preceding. ACP A and ACP B are provided under conditions specified in the Area Commitment Plan (ACP), 2.4.8(B) preceding. The ACP A and ACP B rates for use in calculating credits and shortfall charges will equal the CSPP Plan A and Plan B rates, respectively for SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring).

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TARIFF F.C.C. NO. 1  
7TH REVISED PAGE 7-103.6  
CANCELS 6TH REVISED PAGE 7-103.6  
EFFECTIVE: JULY 2, 2002

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.19.1 SMARTPath Service (a.k.a. BellSouth SPA DS1 Shared Ring)

###### (A) SMARTPath Service (a.k.a. BellSouth SPA DS1 Shared Ring)

In order to accommodate more flexible customer situations, SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) is available under an Area Commitment Plan (ACP) as described in 2.4.8(B) preceding. The ACP commitment for SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) is made based on a level of SMARTPath service area connections. SMARTPath Area Junction connections will receive the same rate treatment for credits and shortfall charges as long as the associated SMARTPath Area Connection qualifies under the ACP. ACP termination liability charges will be calculated using the SMARTPath Area Connection and the Central Office SMARTPath Area Junction rates. The ACP shortfall charge will not apply for 12 months after SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) first becomes available in an ACP billing area.

Termination liability charges for SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) under CSPP or ACP will be calculated using the procedures for DS1 High Capacity service (a.k.a. BellSouth SPA DS1), as specified in 7.4.16(A) and 2.4.8(B) preceding, respectively.

The rates applicable to a month-to-month payment plan are subject to Telephone Company initiated changes. Rates stabilized under an ACP arrangement are exempt from Telephone Company initiated increases, however, decreases for any rate element will automatically flow through to the customer.

A SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) performance guarantee, as specified in 7.2.13(C) preceding, will apply.

##### 7.4.19.2 SMARTPath DS3 Transport Service (a.k.a. BellSouth SPA DS3 Shared Ring)

###### (A) SMARTPath DS3 Transport Service (a.k.a. BellSouth SPA DS3 Shared Ring)

Monthly rates and charges as specified in 7.5.16.2 following apply for each SMARTPath DS3 Transport service (a.k.a. BellSouth SPA DS3 Shared Ring). The transport provided within a SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) area is provided at 44.736 Mbps. Rate categories include a SMARTPath DS3 Area Connection, a SMARTPath DS3 Area Junction and a SMARTPath DS3 Transport service (a.k.a. BellSouth SPA DS3 Shared Ring) 28 DS1 Channel System and associated interfaces.

Customers may request a C-Bit Parity framing format for a DS3 level circuit. If the request is made at the time the circuit is installed, there is no additional charge. When a request for C-Bit Parity framing format is made for an existing circuit, a nonrecurring charge will be applicable for rearranging the framing format on the circuit. This charge will also be applicable if a customer requests that the C-Bit Parity framing format be removed from a circuit. This charge is specified in 7.5.17 following and is applied on a per circuit basis.

(N)  
(N)  
(N)  
(N)  
(N)  
(N)  
(N)

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.19.2 SMARTPath DS3 Transport Service (a.k.a. BellSouth SPA DS3 Shared Ring)

###### (A) SMARTPath DS3 Transport Service (a.k.a. Bell South SPA DS3 Shared Ring)

The SMARTPath DS3 Area Connection rate element provides for the connection at the designated premises where the customer gains access to SMARTPath DS3 Transport service (a.k.a. BellSouth SPA DS3 Shared Ring) and transport to a designated junction on the network. The SMARTPath DS3 Area Junction rate element provides for the connection between the SMARTPath DS3 Transport network and (1) another customer-designated premises in the same SMARTPath service (a.k.a. BellSouth SPA DS3 Shared Ring) area or (2) a serving wire center in the same SMARTPath area for connection (a) to DS1 Service through a SMARTPath DS3 Transport service (a.k.a. BellSouth SPA DS3 Shared Ring) service 28 DS1 Channel System, or to BellSouth Customer Network Management Service, or to SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) as provided in Section 7 of this tariff, or to BellSouth Expanded Interconnection services under Section 20 of this Tariff, or (b) to a SMARTPath DS3 Area Junction of another SMARTPath service (a.k.a. BellSouth SPA DS3 Shared Ring) area in the same metropolitan area. (C)

Recurring charges apply for each SMARTPath DS3 Area Connection, SMARTPath DS3 Area Junction and SMARTPath DS3 Transport service (a.k.a. BellSouth SPA DS3 Shared Ring) 28 DS1 Channel System and each interface activated.

SMARTPath DS3 Transport service (a.k.a. BellSouth SPA DS3 Shared Ring) customers electing to connect with DS1 services at a serving wire center must obtain a SMARTPath DS3 Transport service (a.k.a. BellSouth SPA DS3 Shared Ring) 28 DS1 Channel System and the appropriate number of DS1 Channel Interfaces.

SMARTPath DS3 Transport service (a.k.a. BellSouth SPA DS3 Shared Ring) is available under several payment plans: Month-to-month (with a 12 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) 2.4.8(A) preceding. Termination liability charges will be applicable if services provided under a CSPP are disconnected prior to the end of the chosen service period. Termination liability charges will be calculated using the procedures for DS1 High Capacity service (a.k.a. BellSouth SPA DS1) as specified in 7.4.16(A) preceding.

A SMARTPath DS3 Transport service (a.k.a. BellSouth SPA DS3 Shared Ring) performance credit, as specified in Section 2.4.4(B) will apply.

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TARIFF F.C.C. NO. 1  
4TH REVISED PAGE 7-103.7  
CANCELS 3RD REVISED PAGE 7-103.7

EFFECTIVE: DECEMBER 16, 1996

#### ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.20 Network Optimization Waiver (OW)

- (A) The Network Optimization Waiver (NOW) is an offering that waives nonrecurring charges for certain BellSouth SWA and Special Access (a.k.a. BellSouth SPA) services where customers reconfigure their existing Telephone Company provided network onto certain LightGate services (a.k.a. BellSouth SPA Point to Point Network) and SMARTRing services (a.k.a. BellSouth SPA Dedicated Ring). In addition, termination liability charges are also waived for upgrades to higher level services or reductions in existing service capacities under certain circumstances. Specific requirements must be satisfied in order for charges to be waived, as follows: (T)
- (1) Nonrecurring charges set forth in Sections 6 and 7 of this tariff will be waived when a customer reconfigures existing Special Access (a.k.a. BellSouth SPA) Voice Grade (a.k.a. BellSouth SPA DSO VG), DDAS (a.k.a. BellSouth SPA DSO Digital Data), DS1 - excluding SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring), LightGate service (a.k.a. BellSouth SPA Point to Point Network), SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) and BellSouth SWA sERVICES that are groomed or rolled over onto LightGate service (a.k.a. BellSouth SPA Point to Point Network) or SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). (T)
- (2) Nonrecurring charges will be waived for new LightGate service (a.k.a. BellSouth SPA Point to Point Network) and SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) systems, nodes, and associated channel interfaces to which existing services are reconfigured as a direct result of NOW. Nonrecurring charges for Access Order Modifications and Cancellation of Access Orders, as contained in Sections 5.3 and 5.4 respectively of this Tariff will not be waived. Nonrecurring charges for new channel systems and related channel interface charges not directly established because of reconfiguration grooming and/or rollovers, will not be waived. (T)
- (3) The customer's LightGate service (a.k.a. BellSouth SPA Point to Point Network) and SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), to which the network services are reconfigured, must be ordered under Channel Services Payment Plans (CSPP). However, individual DS1 and/or DS3 channel interfaces associated with LightGate service (a.k.a. BellSouth SPA Point to Point Network) and SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) and associated BellSouth SWA services may be provided under month-to-month terms if the existing services were provided under month-to-month rates. (T)

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TARIFF F.C.C. NO. 1  
5TH REVISED PAGE 7-103.8  
CANCELS 4TH REVISED PAGE 7-103.8  
EFFECTIVE: DECEMBER 16, 1996

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.4.20 Network Optimization Waiver (NOW) (Cont'd)

(4) NOW requests will be processed as projects for each designated Point of Presence (POP), Access Carrier Terminal Location (ACTL) or end user location, and all associated connect and disconnect order Access Service Requests (ASRs) must be placed at the same time. All ASRs must be received on or after August 22, 1994 but prior to July 21, 1995 with due dates of no later than April 21, 1996. Only one reconfiguration plan will be permitted per POP/ACTL or end user location. The NOW will terminate April 21, 1996.

- (6) Termination Liability Charges will be waived for Special Access (a.k.a. BellSouth SPA) service upgrades from DDAS service (a.k.a. BellSouth SPA DSO Digital Data) or DS1 (a.k.a. BellSouth DS1) service to LightGate service (a.k.a. BellSouth SPA Point to Point Network) or SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), and from LightGate service (a.k.a. BellSouth SPA Point to Point Network) to SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) if the resulting CSPP service period of the reconfigured network is at least as long as the existing CSPP service period remaining or the minimum CSPP period, whichever is greater. Additionally, customers may decrease existing LightGate service (a.k.a. BellSouth SPA Point to Point Network) system or SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) networks to smaller system sizes under the NOW offering, given the same minimum CSPP time period constraints above, without termination liability as long as equivalent VG (a.k.a. BellSouth SPA DSO VG), DDAS (a.k.a. BellSouth SPA DSO Digital Data), and non-channelized DS1 channel services are maintained on the reconfigured network.

- If the number of installed trunks exceeds the number of trunks to be disconnected, the customer must provide, at the time the ASRs are placed, justification based upon standard engineering methods.
- When multiple ASRs are required, the ASRs must be submitted at the same time and the customer must provide related purchase order numbers pertaining to multiple ASRs.

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TARIFF F.C.C. NO. 1  
3RD REVISED PAGE 7-103.8.1  
CANCELS 2ND REVISED PAGE 7-103.8.1

EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.20 Network Optimization Waiver (Cont'd)

(B) Notwithstanding the provisions of 7.4.20(A) preceding, if a customer has submitted to BellSouth, by July 21, 1995, a letter indicating its intent to submit ASRs for the purpose of accomplishing the rearrangement described in 7.4.20(A) and specifying, at a minimum:

- Customer Name,
- Access Carrier Name Abbreviation (ACNAs),
- Carrier Identification Codes (CICs),
- Purchase Order Number (PON),
- Point of Presence (POP) Access Carrier Terminal Location (ACTL),
- Desired Interface Level at POP after Rearrangement,
- Target Completion Date for POP Rearrangement,
- Existing Quantities Involved in Rearrangement by Number of DS3s, Number of DS1s and Number of Trunks/Lines per POP/ACTL, and
- Expected Quantities Resulting by Number of DS3s, Number of DS1s and Number of Trunk/Lines per POP/ACTL,

the waiver specified in 7.4.20(A) will apply for quantities indicated in such letter for each POP/ACTL indicated if:

- ASRs for such quantities are submitted no later than January 21, 1996;
- the due dates of those ASRs are no later than April 21, 1996,
- the rearrangements otherwise qualify for the waiver pursuant to the requirements of 7.4.20(A).

##### 7.4.21 Voice Grade (a.k.a. BellSouth SPA DS0 VG) Service (T)

Monthly rates and nonrecurring charges as specified in 7.5.3 following apply for Voice Grade (a.k.a. BellSouth SPA DS0 VG) service. (T)

Voice Grade (a.k.a. BellSouth SPA DS0 VG) service is available under several payment plans: Voice Grade (a.k.a. BellSouth SPA DS0 VG) Rate Stability Plan (with a minimum of 36 months and a maximum of 60 months), Month-to-month (with a minimum of one month), Plan A (24-48 Months) or Plan B (49-72 Months). The Voice Grade (a.k.a. BellSouth SPA DS0 VG) Rate Stability Plan is provided as outlined in 7.4.13 preceding. Plans A and B are provided under conditions specified in the Channel Services Payment Plan (CSPP), 2.4.8(A) preceding, except as modified following: (T)

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TARIFF F.C.C. NO. 1  
1ST REVISED PAGE 7-103.9  
CANCELS ORIGINAL PAGE 7-103.9  
EFFECTIVE: DECEMBER 16, 1996

## ACCESS SERVICE

### 7 - Special Access (a.k.a BellSouth SPA) Service (Cont'd) (T)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.21 Voice Grade (a.k.a. BellSouth SPA DSO VG) Service (Cont'd)) (T)

- (A) A termination liability charge will be applicable if services provided under a CSPP arrangement are disconnected prior to the end of the chosen service period. The termination charge is equal to the applicable rate per rate element for the current contract multiplied times the difference in months between the time the CSPP contract has been in effect and the minimum contract length multiplied times a factor. The factor is 50 percent for contracts that have been in effect twelve months or less, or 20 percent for contracts that have been in effect longer than twelve months.
- (B) No charges apply for the conversion of existing Voice Grade (a.k.a. BellSouth SPA DSO VG) service under a month-to-month payment plan to a CSPP arrangement. (T)
- (C) Plan C offered under the CSPP arrangement, as specified in 2.4.8(A) preceding, is not available for Voice Grade (a.k.a. BellSouth SPA DSO VG) service. (T)

In order to accommodate more flexible customer situations, certain elements of Voice Grade (a.k.a. BellSouth SPA DSO VG) service are available under an Area Commitment Plan (ACP) as described in 2.4.8(B) preceding. The ACP commitment for Voice Grade (a.k.a. BellSouth SPA DSO VG) service is made based on a level of local channels and interoffice channel miles. Voice Grade (a.k.a. BellSouth SPA DSO VG) Interoffice Channel-Fixed rate elements will receive the same rate treatment for credits and shortfall charges as long as the associated circuit mileage charges qualify under the ACP. The ACP A and ACP B rates for Voice Grade (a.k.a. BellSouth SPA DSO VG) service are the same as the Plan A and Plan B rates shown for CSPP. (T)

- (D) No charges apply for the conversion of an existing Voice Grade (a.k.a. BellSouth SPA DSO VG) Rate Stability Plan arrangement as specified in Section 7.4.13 preceding to a CSPP or ACP arrangement. The customer will be given recognition for previous service for each circuit converted from the Voice Grade (a.k.a. BellSouth SPA DSO VG) Rate Stability Plan provided that the length of the new CSPP or ACP arrangement is equal to or greater than the remaining service period of the Voice Grade (a.k.a. BellSouth SPA DSO VG) Rate Stability Plan arrangement. (T)

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TARIFF F.C.C. NO. 1  
3RD REVISED PAGE 7-103.10  
CANCELS 2ND REVISED PAGE 7-103.10

EFFECTIVE: MARCH 30, 2002

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.22 SMARTGate Service (a.k.a. BellSouth SPA Managed Shared Ring Network)

###### (A) SMARTGate Service (a.k.a. BellSouth SPA Managed Shared Ring Network)

Rates and charges as specified in 7.5.19 following apply on a per On-Net or Off-Net SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) DS1 or DS3 basis, as applicable, for the establishment, provisioning and management of the overall service arrangement. The minimum service period for each On-Net or Off-Net DS1 or DS3 SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) is four months. The minimum service period for each Off-Net OC-3 or OC-12 SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) is twelve months.

(N)  
(N)  
(N)

Within the wire center serving areas that comprise a SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) area, the customer's high capacity special access traffic will be collected and managed for delivery to a customer's aggregation location. The traffic will be collected and managed as an On-Net SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) DS1, an Off-Net SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) DS1, an On-Net SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) DS3, an Off-Net SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) DS3, an Off-Net SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) OC-3, or an Off-Net SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) OC-12, as applicable. An On-Net SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) DS1 or DS3 is one that originates at a collection location that is on the SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) network. An Off-Net SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) DS1, DS3, OC-3 or OC-12 is one that originates at a customer location which is not on the SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) network and connects to the SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) network at a SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) wire center for collection, management and delivery to the customer's aggregation location.

(C)  
(C)  
(C)  
(C)

SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) is available under commitment plans as follows: Month-to-Month, Plan A (36 Months), or Plan B (60 Months). Month-to-Month rates are only available upon completion of a Plan A or Plan B commitment plan. Upon the completion of a Plan A or Plan B commitment period the customer must establish a new commitment plan or billing will be changed to month-to-month.

The rates for SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) commitment plans are stabilized for the length of the plan and are exempt from Telephone Company initiated increases, however, decreases will automatically flow through to the customer.

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EFFECTIVE: APRIL 16, 1999

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.22 SMARTGate Service (a.k.a. BellSouth SPA Managed Shared Ring Network)  
(Cont'd)

(A) SMARTGate Service (a.k.a. BellSouth SPA Managed Shared Ring Network)  
(Cont'd)

For the purposes of a customer converting existing high capacity services under a payment plan as described in the Channel Service Payment Plan or the Area Commitment Plan, contained in Section 2.4.8(A) and Section 2.4.8(B), respectively, to SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network), SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) is considered a higher order of service and termination liability charges will not apply based on the ranking of services contained in 2.4.8(A)(4.) preceding.

Subsequent to the establishment of a SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) commitment plan and prior to the completion of the selected service period, the commitment plan may be replaced with a new SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) commitment plan or extended by a one year period. A commitment plan may be replaced by a new SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) commitment plan at rates in effect on the first day of service under the new plan subject to the following:

- If the new SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) commitment plan has a service period shorter than the existing plan, the change to the new SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) commitment plan constitutes a disconnect of the existing SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) commitment plan for which termination liability charges apply.
- The service period selected for the new SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) commitment plan begins on the new commitment plan effective date but not later than the expiration date of the commitment plan being replaced.
- If the new SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) commitment plan has a service period longer than the existing plan, the change to the new SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) commitment plan does not constitute a disconnect of the existing arrangement and termination liability charges would not apply.

When extending a SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) commitment plan by a one year period, the customer must maintain the same interface level at aggregation locations (i.e., DS3 electrical or OC-12 optical) and the extension must be made prior to the last year of the customer's existing plan.

Material previously appearing on this page now appears on page 7-103.11.1 of this section.

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TARIFF F.C.C. NO. 1  
1ST REVISED PAGE 7-103.11.1  
CANCELS ORIGINAL PAGE 7-103.11.1  
EFFECTIVE: JULY 2, 2002

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.22 SMARTGate Service (a.k.a. BellSouth SPA Managed Shared Ring Network) (Cont'd)

###### (A) SMARTGate Service (a.k.a. BellSouth SPA Managed Shared Ring Network) (Cont'd)

A termination liability charge will be applicable if a SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) customer terminates the SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) arrangement prior to the end of his agreement. The termination liability charge is equal to the Off-Net DS1 SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) monthly rate for SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) times the number of equivalent DS1s associated with the commitment times the months remaining in the commitment times 30 percent.

Customers may request a C-Bit Parity framing format for a DS3 level circuit. If the request is made at the time the circuit is installed, there is no additional charge. When a request for C-Bit Parity framing format is made for an existing circuit, a nonrecurring charge will be applicable for rearranging the framing format on the circuit. This charge will also be applicable if a customer requests that the C-Bit Parity framing format be removed from a circuit. This charge is specified in 7.5.17 following and is applied on a per circuit basis.

(N)  
(N)  
(N)  
(N)  
(N)  
(N)  
(N)

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ISSUED: OCTOBER 31, 2000

TARIFF F.C.C. NO. 1  
2ND REVISED PAGE 7-103.12  
CANCELS 1ST REVISED PAGE 7-103.12

EFFECTIVE: NOVEMBER 15, 2000

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.22 SMARTGate Service (a.k.a. BellSouth SPA Managed Shared Ring Network) (Cont'd)

###### (A) SMARTGate Service (a.k.a. BellSouth SPA Managed Shared Ring Network) (Cont'd)

SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) can support either an Extended Super Frame format or a Super Frame format, provided that customer-provided equipment at collection and aggregation locations is compatible. The customer must advise the Telephone Company which of the two framing formats its customer provided equipment can support. The Telephone Company's monitoring and service performance guarantees for On-Net SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) DSIs, however will depend upon the framing format chosen by the customer as follows:

- For On-Net SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) DSIs configured with Extended SuperFrame equipment, the Telephone Company will credit 100% of the monthly charges for the affected SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) in the event of a service outage of greater than 60 seconds. This credit will apply only once per monthly billing period.
- For On-Net SMARTGate (a.k.a. BellSouth SPA Managed Shared Ring Network) DSIs configured for Super Frame format and all Off-Net SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) DSIs, the Telephone Company will credit the customer 100% of the monthly charges for the affected SMARTGate services (a.k.a. BellSouth SPA Managed Shared Ring Network) in the event of a service outage of greater than 10 minutes. This credit will apply only once per monthly billing period. The credit for the service connecting to the Off-Net SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) DSI will be credited based upon the regulations in the respective services' tariff section.
- No credit for service outage shall apply unless the customer reports the service outage to the Company.

(C)  
(C)

Certain material previously appearing on this page now appears on Original Page 7-103.12.1 of this section.

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ISSUED: MARCH 29, 2002

TARIFF F.C.C. NO. 1  
1ST REVISED PAGE 7-103.12.1  
CANCELS ORIGINAL PAGE 7-103.12.1

EFFECTIVE: MARCH 30, 2002

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.22 SMARTGate Service (a.k.a. BellSouth SPA Managed Shared Ring Network) (Cont'd)

###### (A) SMARTGate Service (a.k.a. BellSouth SPA Managed Shared Ring Network) (Cont'd)

The Telephone Company's monitoring and guarantees of the performance of the DS3 SMARTGate services (a.k.a. BellSouth SPA Managed Shared Ring Network) will be as follows:

- For On-Net SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) DS3s, the Telephone Company will credit 100% of the monthly charges for the affected SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) in the event of a service outage of greater than 60 seconds. This credit will apply only once per monthly billing period.
- For Off-Net SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) DS3s the Telephone Company will credit the customer 100% of the monthly charges for the affected SMARTGate services (a.k.a. BellSouth SPA Managed Shared Ring Network) in the event of a service outage of greater than 10 minutes. This credit will apply only once per monthly billing period. The credit for the service connecting to the Off-Net DS3 will be credited based upon the regulations in the respective services' tariff section.
- For Off-Net SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) OC-3s and OC-12s, the Telephone Company will credit 100% of the monthly charges for the affected SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) in the event of a service outage of greater than 60 seconds. This credit will apply only once per monthly billing period. (N)  
(N)  
(N)  
(N)  
(N)  
(N)
- No credit for service outage shall apply unless the customer reports the service outage to the Company.

\*\*\*\*\*

EFFECTIVE: FEBRUARY 25, 2003

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.23 Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) Service

- (A) Monthly recurring rates and nonrecurring charges apply as specified in 7.5.5 following for each Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video Network) service. These rates and charges are only valid for locations where facilities exist. If new facilities must be constructed, special construction charges may apply. (T)  
(T)  
(M)  
Dedicated, digital video channels are available at a transmission rate over 100 Mbps. Customers are required to subscribe to a minimum of 8 video channels that connect the digital video switch to the customer designated end locations. These 8 video channels may be any combination of video channels on an Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) service Single Channel and/or Multiple Channel System. (M)  
(M)  
(M)  
(M)  
(M)  
(M)  
(M)  
(M)  
Rate categories include Local Channels and Interoffice Channels. There are two types of Local Channels and Interoffice Channels: (T)  
(T)  
- Single Channel Systems (T)  
- Multiple Channel Systems (T)  
Only one nonrecurring charge is applicable for one to six video channels installed on the same system at the same time. (M)  
(M)  
In addition, a Multiple Channel System Interoffice Interface is available for interoffice transport of multiple video signals, in the same direction. No video channelization is required for this Multiple Channel System Interoffice Interface. Rates and Charges for this Multiple Channel System Interoffice Interface are in addition to the Multiple Channel System Interoffice Channel rate elements, i.e. airline mileage and applicable regenerators. (M)  
(M)  
(M)  
(M)  
(M)  
(M)  
(M)  
Two 15 kHz audio channels are provided with each video channel. The customer may order two additional 15 kHz audio channels per video channel, per site. Customers may opt for four 20 kHz audio channels, at rates and charges set forth in 7.5.5.3.1.A.4 in lieu of the two 15 kHz audio channels previously discussed.  
(B) Moves to a building (customer premises) in a wire center serving area different than the customer's existing serving wire center serving area will not be treated as a discontinuance and start of service. (T)  
(M)  
(M)  
Nonrecurring move charges are applicable for Uncompressed Switched Video Service as set forth in 7.5.5.3.1.C. Separate facilities are needed for each transmit and receive circuit. (M)  
(M)

Certain material previously appearing on this page now appears on 5th Revised Page 7-38.5

Certain material now appearing on this page previously appeared on 3rd Revised Page 7-38.4, 6th Revised Page 7-103.14 and 7th Revised Page 7-129.3

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EFFECTIVE: FEBRUARY 25, 2003

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.4 Rate Regulations (Cont'd) (N)

7.4.23 Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) Service (Cont'd) (N)  
(N)

(C) Payment Plans (N)

Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video Network) service is provided on a month-to-month basis or under conditions specified in the Channel Services Payment Plan (CSPP), Section 2.4.8 preceding, except as modified following: (M)  
(M)  
(M)  
(M)

- (1) Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) service is initially available under Payment Plan A with a 36 month commitment period for the minimum 8 video channels. Additional 15 kHz audio channels, and Single Channel Systems above the minimum requirement, may be ordered under Payment Plan A with a 36 month commitment period or on a month-to-month basis. At the end of 36 months continuous service, customers may continue all service on a month-to-month basis or renew their arrangement for another 36-month CSPP commitment. The rates applicable for the renewed arrangement will be those applicable for new Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) service. Month-to-month rates are subject to Telephone Company initiated changes and are available only after completion of an initial 36-month commitment period, except as modified preceding. (M)  
(M)  
(M)  
(M)  
(M)  
(M)  
(M)  
(M)  
(M)  
(M)  
(N)

- (2) On a per arrangement basis, all rate elements provided under Payment Plan A will be coterminous. For example: all LCs and IOCs of the same Multiple Channel System will be disconnected at the same time. (C)  
(C)  
(C)

- (3) On a per arrangement basis, all rate elements provided under a month-to-month basis are coterminous with the minimum requirement of 8 video channels. For example: if a customer has only 8 channels and a request is received to disconnect fewer than 8, all channels will be disconnected. (N)  
(N)  
(N)  
(N)  
(N)

(D) Termination Liability (M)

- (1) A termination liability charge will be applicable if Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video Network) services are disconnected prior to the end of 36 months except for additional 15 kHz audio channels and Single Channel Systems (above the minimum requirement) which may also be purchased on a month to month basis. The applicable charge is equal to the number of months remaining in the 36-month service period times the monthly rates for Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) service which includes Local Channels and Interoffice Channels. Termination liability charges are not applicable for Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) service when a 36-month commitment period has been completed and then converted to month-to-month rates. (M)  
(M)  
(M)  
(M)  
(M)  
(M)  
(M)  
(M)  
(M)  
(M)  
(M)  
(N)  
(N)

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TARIFF F.C.C. NO. 1  
7TH REVISED PAGE 7-103.14  
CANCELS 6TH REVISED PAGE 7-103.14  
EFFECTIVE: FEBRUARY 25, 2003

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rates Regulations (Cont'd)

##### 7.4.23 Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) Service (Cont'd)

(M)

#### (E) Suspension of Service

(N)

Suspension of Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) service is not allowed.

##### 7.4.24 70 MHz Transport (a.k.a. BellSouth SPA 70 MHz Transport) Service

Rates and charges as specified in 7.5.5.4 following apply for each 70 MHz Transport (a.k.a. BellSouth SPA 70 MHz Transport) service. Dedicated, analog channels are available at a transmission rate of 70 MHz. Rate categories include Local Channels and Interoffice Channels.

Local Channels are available as transmit or receive and are provided at the rates set forth in Section 7.5.5.4.1. Separate facilities are needed for each transmit and each receive circuit.

Interoffice Channels are provided on a fixed rate and per airline mile rate basis as set forth in Section 7.5.5.4.1. Additionally, all Interoffice Channels are limited to a maximum of 100 airline miles. Regenerators are required for all Interoffice Channels over ten airline miles, for each ten airline mile segment. For example, with a circuit that is twenty-two miles long, a regenerator is required at 10.1 airline miles and an additional regenerator is required at 20.1 airline miles.

Certain material previously appearing on this page now appears on Original Page 7-103.13.1.

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EFFECTIVE: DECEMBER 29, 2001

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.4 Rates Regulations (Cont'd)

7.4.24 70 MHz Transport (a.k.a. BellSouth SPA 70 MHz Transport) Service  
(Cont'd)

For customers subscribing to 70 MHz Transport (a.k.a. BellSouth SPA 70 MHz Transport) service on or after December 29, 2001, it is provided under a month-to-month rate option. For customers subscribing to this service prior to December 29, 2001, service is provided under month-to-month rates or under a Channel Services Payment Plan (CSPP) option. CSPP options are available as Plan 1 (12-36 Months) or Plan 2 (37-60 Months). Regulations for CSPP options are specified in Section 2.4.8 preceding, except as modified following:

- (1) All rate elements for a given 70 MHz Transport (a.k.a. BellSouth SPA 70 MHz Transport) service system must be provided under the same payment plan with the same service period and are coterminous upon termination of the 70 MHz Transport (a.k.a. BellSouth SPA 70 MHz Transport) service.
- (2) A termination liability charge will be applicable if service provided under a CSPP arrangement is disconnected prior to the end of the chosen service period. The applicable charge is equal to the number of months remaining in the rate stabilized service period times 60% of the monthly rates for 70 MHz Transport (a.k.a. BellSouth SPA 70 MHz Transport) service which includes Local Channels and Interoffice Channels provided under the CSPP arrangement. Termination liability charges are not applicable for 70 MHz Transport (a.k.a. BellSouth SPA 70 MHz Transport) service under month-to-month rates.

Certain material appearing on this page previously appeared on 5<sup>th</sup> Revised Page 7-103.14 and 2<sup>nd</sup> Revised Page 7-103.15.

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TARIFF F.C.C. NO. 1  
3RD REVISED PAGE 7-103.15  
CANCELS 2ND REVISED PAGE 7-103.15

EFFECTIVE: DECEMBER 29, 2001

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rates Regulations (Cont'd)

##### 7.4.25 DS3 Digital Video (a.k.a. BellSouth SPA DS3 Digital Video) Service

(M)

Rates and charges as specified in 7.5.5 following apply for each DS3 Digital Video (a.k.a. BellSouth SPA DS3 Digital Video) service. Dedicated, digital video channels are available at a (45 Mbps) transmission rate. Rate categories include Local Channels, Interoffice Channels, and Central Office Terminations. There are two types of Local Channels, TV1D and TVD. DS3 Digital Video (a.k.a. BellSouth SPA DS3 Digital Video) service requires the customer to purchase at least one TV1D Local Channel. Four 15 KHz audio channels are provided per video channel.

Nonrecurring charges and recurring rates are applicable for each DS3 Digital Video Service Local Channel, Interoffice Channel, and Central Office Termination. Separate facilities are needed for each transmit and each receive circuit.

DS3 Digital Video (a.k.a. BellSouth SPA DS3 Digital Video) service is available under month-to-month rates for customers subscribing on or after December 29, 2001. For customers subscribing prior to December 29, 2001, DS3 Digital Video (a.k.a. BellSouth SPA DS3 Digital Video) service is also available under Contract Service Payment Plans for either Plan 1 (12-36 Months) or Plan 2 (37-60 Months). Plans 1 and 2 are provided under conditions specified in the Channel Services Payment Plan, (CSPP) Section 2.4.8 preceding, except as modified following. For all payment plans, the following regulations apply:

- (1) All rate elements for a given DS3 Digital Video (a.k.a. BellSouth SPA DS3 Digital Video) service must be provided under the same payment plan with the same service period and are coterminous upon termination of the DS3 Digital Video (a.k.a. BellSouth SPA DS3 Digital Video) service.

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TARIFF F.C.C. NO. 1  
1ST REVISED PAGE 7-103.15.1  
CANCELS ORIGINAL PAGE 7-103.15.1

EFFECTIVE: DECEMBER 29, 2001

#### ACCESS SERVICE

#### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rates Regulations (Cont'd)

#### 7.4.25 DS3 Digital Video (a.k.a. BellSouth SPA DS3 Digital Video) Service

- (2) A termination liability charge will be applicable if service provided under a CSPP arrangement is disconnected prior to the end of the chosen service period. The applicable charge is equal to the number of months remaining in the rate stabilized service period times 60% of the monthly rates for DS3 Digital Video (a.k.a. BellSouth SPA DS3 Digital Video) service which includes Local Channels, Interoffice Channels, and Central Office Terminations provided under the CSPP arrangement. Termination liability charges are not applicable for DS3 Digital Video (a.k.a. BellSouth SPA DS3 Digital Video) service under daily or month-to-month rates.

Customers may convert from a DS3 Digital Video Service CSPP arrangement prior to the expiration of the selected service period, to Modular Video Transport Service under a CSPP arrangement at the same location without incurring any termination charges when: (N)

- (1) the completed service period is 12 months or 25% of the length of the originally selected CSPP period, whichever is greater, and (N)
- (2) the service period of the new Modular Video Transport Service CSPP arrangement is equal to or longer than the remaining service period of the disconnected DS3 Digital Video (a.k.a. BellSouth SPA DS3 Digital Video) Service arrangement, and (N)
- (3) the service orders to install the Modular Video Transport Service and disconnect the DS3 Digital Video (a.k.a. BellSouth SPA DS3 Digital Video) Service are related together and received by the Telephone Company at the same time, and there is no lapse in service between installation of the Modular Video Transport Service and disconnection of the existing DS3 Digital Video Service (a.k.a. BellSouth SPA DS3 Digital Video), and (N)
- (4) the number of video channels for the Modular Video Transport Service is equal to or greater than the number of video channels for the existing DS3 Digital Video Service (a.k.a. BellSouth SPA DS3 Digital Video). (N)

TARIFF F.C.C. NO. 1  
3RD REVISED PAGE 7-103.16  
CANCELS 2ND REVISED PAGE 7-103.16  
EFFECTIVE: DECEMBER 29, 2001

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.4.25 DS3 Digital Video Service (a.k.a. BellSouth SPA DS3 Digital Video)  
(Cont'd)

$$\begin{pmatrix} (D) \\ (D) \\ (D) \\ (D) \\ (D) \end{pmatrix} \quad \begin{pmatrix} (D) \\ (D) \\ (D) \end{pmatrix} \quad \begin{pmatrix} (D) \\ (D) \\ (D) \\ (D) \end{pmatrix} \quad \begin{pmatrix} (D) \\ (D) \\ (D) \\ (D) \end{pmatrix}$$

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TARIFF F.C.C. NO. 1  
1ST REVISED PAGE 7-103.17  
CANCELS ORIGINAL PAGE 7-103.17

EFFECTIVE: JUNE 12, 1999

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rates Regulations (Cont'd)

##### 7.4.26 Zone Pricing - Special Access (a.k.a. BellSouth SPA) Service

High Capacity DS1 (a.k.a. BellSouth SPA DS1) service, BellSouth DS1 Diverse service, SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) and LightGate service (a.k.a. BellSouth SPA Point to Point Network) are organized into three pricing zones. The pricing zone assignments for each Telephone Company serving wire center is as specified in the NATIONAL EXCHANGE CARRIER ASSOCIATION (NECA) TARIFF F.C.C. NO. 4.

(C)  
(C)

Special Access (a.k.a. BellSouth SPA) interoffice channels, which terminate in different zones will be billed the higher rate. When interoffice channels are provided by more than one telephone company; this Telephone Company's portion of that circuit will be billed in accordance with that company's tariff, pursuant to 2.4.7 (C) preceding. Channelization rates will be determined by the location of the channelization arrangement.

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TARIFF F.C.C. NO. 1  
3RD REVISED PAGE 7-103.18  
CANCELS 2ND REVISED PAGE 7-103.18  
EFFECTIVE: APRIL 30, 2003

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4. Rate Regulations (Cont'd)

##### 7.4.27 BellSouth SPA Managed Shared Network Service

Rates and charges as specified in Section 7.5.20 following apply for BellSouth SPA Managed Shared Network Service on a per DS3, DS1, DS0, STS-1, OC-3, OC-12, OC-48 or OC-192 service component basis for BellSouth SPA Managed Shared Network Service. Rate elements are DS3, DS1, DS0, STS-1, OC-3, OC-12 and OC-48 interfaces, OC-192 system connection, DS3, DS1, DS0, STS-1, OC-3, OC-12, OC-48 and OC-192 interoffice channels and DS3 and OC-3 local channels. Services provided between an Origination Location and it's serving wire center are not BellSouth SPA Managed Shared Network Service, but are provided pursuant to other sections of this tariff. If BellSouth SPA Managed Shared Network Service at the DS0 level connects to a multipoint bridge or connects to a sub-rate multiplexer, the multipoint bridge or the sub-rate multiplexer, as well as the transport to the Origination Location, are provided pursuant to other sections of this tariff. (C)

BellSouth SPA Managed Shared Network Service DS0, DS1, DS3, STS-1, OC-3, OC-12 and OC-48 interface, OC-192 system connection and interoffice charges apply based upon the level of the service (i.e., DS0, DS1 or DS3) collected from an Origination Location's serving wire center. Interface charges and system connection charges apply at the Aggregation Location's serving wire center. Mileage for BellSouth SPA Managed Shared Network Service interoffice channels is measured from the Origination Location's serving wire center to the serving wire center of the traffic's associated Aggregation Location except for DS0 service that connects to a multipoint bridge or connects to a sub-rate multiplexer. In the latter case, the mileage for BellSouth SPA Managed Shared Network Service interoffice channels is measured from the wire center containing the multipoint bridge or sub-rate multiplexer to the serving wire center of the traffic's associated Aggregation Location. For BellSouth SPA Managed Shared Network Service interoffice channels, which terminate in different zones, the highest zone rate will apply (i.e., Zone 1 is the lowest and Zone 3 is the highest). (C)

Customers may request a C-Bit Parity framing format for a DS3 level circuit. If the request is made at the time the circuit is installed, there is no additional charge. When a request for C-Bit Parity framing format is made for an existing circuit, a nonrecurring charge will be applicable for rearranging the framing format on the circuit. This charge will also be applicable if a customer requests that the C-Bit Parity framing format be removed from a circuit. This charge is specified in 7.5.17 following and is applied on a per circuit basis.

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TARIFF F.C.C. NO. 1  
4TH REVISED PAGE 7-103.18.1  
CANCELS 3RD REVISED PAGE 7-103.18.1  
EFFECTIVE: APRIL 30, 2003

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4. Rate Regulations (Cont'd)

##### 7.4.27 BellSouth SPA Managed Shared Network Service

The BellSouth SPA Managed Shared Network Service local channel charges apply for the DS3 or OC-3 local channels utilized to deliver BellSouth SPA Managed Shared Network Service traffic to the customer, either at an Aggregation Location or to an associated Alternate Aggregation Location. The specific BellSouth SPA Managed Shared Network Service DS3 local channel charge which applies is dependent upon the quantity of BellSouth SPA Managed Shared Network Service DS3 local channels utilized to carry BellSouth SPA Managed Shared Network Service DS3, DS1 and DS0 level traffic which is associated with a given Aggregation Location, on a per Aggregation Location basis. For example, if ten DS3 local channels are utilized to carry BellSouth SPA Managed Shared Network Service traffic associated with Aggregation Location A, then the 10 DS3 Local Channel charge would apply for that Aggregation Location. If the customer thereafter grows to 11 DS3 local channels for BellSouth SPA Managed Shared Network Service traffic associated with Aggregation Location A, the 11 DS3 local channel rate would apply for that Aggregation Location. When a customer increases or decreases the number of DS3 local channels at an Aggregation Location, the billing adjustment for the partial month's service level will be equal to one half of the difference between the rate for the previous level of DS3 local channels and the rate for the new level of DS3 local channels. (C)

The OC-3 local channels are utilized to deliver eligible BellSouth SPA Managed Shared Network Service STS-1, OC-3, OC-12, OC-48 and OC-192 traffic to the customer, either at an Aggregation Location or at an associated Alternate Aggregation Location. For example, if a customer has an OC-48 service that is being provided at an Origination Location, that OC-48 would be considered as 16 OC-3 local channels. The specific BellSouth SPA Managed Shared Network Service OC-3 local channel charge which applies is dependent upon the quantity of BellSouth SPA Managed Shared Network Service OC-3 local channels utilized to carry BellSouth SPA Managed Shared Network Service STS-1, OC-3, OC-12, OC-48 and OC-192 traffic which is associated with a given Aggregation Location, on a per Aggregation Location basis. For example, if six OC-3 local channels are utilized to carry BellSouth SPA Managed Shared Network Service traffic associated with Aggregation Location A, then the rate the customer would pay is six times the Band "B" per OC-3 rate. When a customer increases or decreases the number of OC-3 local channels at an Aggregation Location, the billing adjustment for the partial month's service level will be equal to one half of the difference between the rate for the previous level of OC-3 local channels and the rate for the new level of OC-3 local channels. (N)

(M)

EFFECTIVE: APRIL 30, 2003

ACCESS SERVICE

(N)

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

(N)

7.4. Rate Regulations (Cont'd)

(N)

7.4.27 BellSouth SPA Managed Shared Network Service (Cont'd)

(N)

BellSouth SPA Managed Shared Network Service is available under a 12 month or a 60 month commitment plan. Month-to-month rates, without termination liability, are only available upon completion of a commitment plan. Upon the completion of a commitment plan, the customer must establish a new commitment plan or billing will be changed to BellSouth SPA Managed Shared Service month-to-month rates, except as follows:

(M)  
(M)  
(M)  
(M)  
(C) (M)  
(C) (M)

Beginning on February 16, 2002 through the remainder of the year, customers that complete a BellSouth SPA Managed Shared Network Service commitment plan will receive an automatic extension of their commitment plan to December 31, 2002. With this automatic extension, the customer's service will be continued under BellSouth SPA Managed Shared Network Service at the rates and charges associated with the payment plan that is being extended. Customers that do not wish to utilize the benefits of the automatic extension may request that their BellSouth SPA Managed Shared Network Service commitment plan be terminated, without penalty, at any time during their extension. At the end of the extension, or at the time that a customer indicates that they do not desire to continue under the extension, the standard provisions associated with the completion of a BellSouth SPA Managed Shared Network Service commitment plan.

(M)  
(M)  
(M)  
(M)  
(M)  
(M)  
(M)  
(M)  
(M)  
(M)  
(M)

At the end of a commitment plan, the customer also may convert his BellSouth SPA Managed Shared Network Service arrangement to regular tariff services via ASRs or the customer may request that the Telephone Company convert their BellSouth SPA Managed Shared Service DS0 through DS3 service to standard tariff point-to-point services at month-to-month rates, at which time the customer may then subscribe to payment plans if they so desire,

(N)  
(N)  
(N)  
(N)  
(N)  
(N)

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TARIFF F.C.C. NO. 1  
3RD REVISED PAGE 7-103.19  
CANCELS 2ND REVISED PAGE 7-103.19

EFFECTIVE: NOVEMBER 1, 2002

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.4. Rate Regulations (Cont'd)

7.4.27 BellSouth SPA Managed Shared Network Service (Cont'd)

The rates for the BellSouth SPA Managed Shared Network Service commitment plan are stabilized for the length of the plan and are exempt from Telephone Company initiated increases, however, decreases will automatically flow through to the customer.

Beginning one year after a customer orders BellSouth SPA Managed Shared Network Service at an Aggregation Location and at each twelve month interval thereafter, a review of the customer's level of equivalent DS1s associated with an Aggregation Location in an BellSouth SPA Managed Shared Network Service area will be performed. If at the annual review, the customer's equivalent DS1s associated with an Aggregation Location in a BellSouth SPA Managed Shared Network Service area are less than the commitment for such Aggregation Location, a shortfall charge will apply. The shortfall will equal the number of equivalent DS1s the customer is short of the commitment times the per unit shortfall charge shown below.

	<u>Shortfall Charge</u>	<u>USOC</u>
Per Equivalent DS1 Shortfall Charge	\$900.00	NSMSC

(D)  
(D)  
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(D)

(D)  
(D)  
(D)

If the customer designates an Alternate Aggregation Location, an Alternate Aggregation Location Establishment Charge shall apply.

	<u>Alternate Aggregation</u> <u>Establishment Charge</u>	<u>USOC</u>
Nonrecurring Charge Per Alternate Aggregation Location Established	\$1500.00	OHSLE

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ISSUED: APRIL 15, 2003

TARIFF F.C.C. NO. 1  
3RD REVISED PAGE 7-103.20  
CANCELS 2ND REVISED PAGE 7-103.20

EFFECTIVE: APRIL 30, 2003

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4. Rate Regulations (Cont'd)

##### 7.4.27 BellSouth SPA Managed Shared Network Service (Cont'd)

A minimum period charge will apply on an BellSouth SPA Managed Shared Network Service DS0, DS1, DS3, STS-1, OC-3, OC-12, OC-48 and OC-192 service component basis for each such component disconnected prior to the end of the four-month minimum service period. The charge will be calculated by multiplying the monthly rate for the BellSouth SPA Managed Shared Network Service service component times the number of months remaining in the four month minimum service period. (C)

A termination liability charge will apply if customer terminates the BellSouth SPA Managed Shared Network Service arrangement at an Aggregation Location prior to the end of a commitment period (i.e., 12 month or 60 month) associated with such Aggregation Location. For customers establishing new BellSouth SPA Managed Shared Network Service Aggregation Locations from December 23, 1999, through May 26, 2000, the termination liability for such arrangements shall be equal to the difference in the rates paid for the period of time the BellSouth SPA Managed Shared Network Service commitment period is in effect and the month-to-month rates for the same service period, as long as the termination occurs by May 26, 2000. After such termination by May 26, 2000, the customer will continue to pay BellSouth SPA Managed Shared Network Service month-to-month rates for services not rearranged via Access Service Requests. For all other terminations, the termination liability charge is equal to the number of equivalent DS1s associated with the commitment for such Aggregation Location times the number of months remaining in the commitment times the per unit termination liability charges shown below. Provided, however, that termination liability charges shall not apply for the termination of the BellSouth SPA Managed Shared Network Service arrangement at an Aggregation Location under a five year commitment if, prior to the end of the five year commitment period for such Aggregation Location, the customer requests reconfiguration of all of the traffic from such Aggregation Location to a second Aggregation Location in the same BellSouth SPA Managed Shared Network Service Area and the following conditions are met: the commitment for the first Aggregation Location has been in place 36 months or greater and the remaining commitment period of the second Aggregation Location is equal to or greater than the time remaining at the first Aggregation Location. If the commitment for the first Aggregation Location has been in place for less than 36 months and the remaining commitment for the second Aggregation Location is equal to or greater than the time remaining at the first Aggregation Location, a termination liability charge shall apply equal to the number of equivalent DS1s associated with the commitment for the first Aggregation Location times the difference between the months the Aggregation Location's commitment has been in place and 36 months times the per unit termination liability charges shown below. If the commitment for the first Aggregation Location has been in place for less than 36 months and the remaining commitment for the second Aggregation Location is less than the time remaining at the first Aggregation Location, full termination liability charges apply. For all other situations, where a customer terminates BellSouth SPA Managed Shared Network Service prior to the end of a commitment period full termination liability charges apply.

	Termination Liability Charge	USOC
Per Equivalent DS1 Termination Liability Charge	\$75.00	NSMTC

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ISSUED: SEPTEMBER 29, 2006

TARIFF F.C.C. NO. 1  
2ND REVISED PAGE 7-103.21  
CANCELS 1ST REVISED PAGE 7-103.21

EFFECTIVE: OCTOBER 14, 2006

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4. Rate Regulations (Cont'd)

##### 7.4.27 BellSouth SPA Managed Shared Network Service (Cont'd)

For BellSouth SPA Managed Shared Network Service, the DS3 local channel rates will be reduced by 1/(the quantity of BellSouth SPA Managed Shared Network Service DS3 local channels at an aggregation location times 672) for each BellSouth SWA voice grade circuit on a BellSouth SPA Managed Shared Network Service DS3 local channel. For BellSouth SPA Managed Shared Network Service OC-3 Local Channels, the OC-3 Local Channel rates will be reduced by 1/(the quantity of BellSouth SPA Managed Shared Network Service OC-3 local channels at an aggregation location times 2,016) for each BellSouth SWA voice grade circuit on a BellSouth SPA Managed Shared Network Service OC-3 Local Channel. (C)

BellSouth SPA Managed Shared Network Service is available for use as a part of a shared network arrangement whereby the standard tariff transport from an Origination Location to a serving wire center may be billed to another customer. However, BellSouth SPA Managed Shared Network Service rates will only be billed to BellSouth SPA Managed Shared Network Service customer. In the event of a shared network arrangement, BellSouth SPA Managed Shared Network Service interoffice channels will be measured from the serving wire center at which the BellSouth SPA Managed Shared Network Service channels are connected to the service of the other customer to the normal serving wire center of the Aggregation Location.

BellSouth SPA Managed Shared Network Service is considered a higher order of service to LightGate service (a.k.a. BellSouth SPA Point to Point Network), based upon the hierarchy found in Section 2.4.8(A) for determination of termination liability charges. Where the customer converts services to BellSouth SPA Managed Shared Network Service which are a higher order of service than LightGate service (a.k.a. BellSouth SPA Point to Point Network), termination liability charges will not apply if the conversion is requested no later than 30 days after the effective date of this tariff (February 25, 1997). For conversion of a service that is a higher order of service than LightGate service (a.k.a. BellSouth SPA Point to Point Network), the change will be made based on the customer sending Access Service Requests to discontinue circuits on the higher order service and establish them as BellSouth SPA Managed Shared Network Service.

The Company's guarantee of the performance of the BellSouth SPA Managed Shared Network Service DS1 and DS3 components will be as specified in Section 2.4.4.(B)(10) and Section 2.4.4.(B)(11) for DS1 special access (a.k.a. BellSouth SPA) service and LightGate service, respectively. The guarantee for BellSouth SPA Managed Shared Network Service DS0 components is as specified in Section 2.4.4.(B)(1) for service interruptions that receive 1/1440 of the monthly charges after a 30 minute outage.

BellSouth SPA Managed Shared Network Service and the applicable rates will commence beginning with the date a customer orders service. However, where ordering and billing processes have not yet been converted to BellSouth SPA Managed Shared Network Service, the customer must order any additional services to be provided under BellSouth SPA Managed Shared Network Service as existing tariffed services and be billed under tariff rates which would apply for such services, with billing adjustments made to true-up such billing to assure application of the appropriate BellSouth SPA Managed Shared Network Service rates.

All BellSouth marks contained herein and as set forth in the trademarks and service marks section of the BellSouth Tariffs are owned by BellSouth Intellectual Property Corporation.  
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ISSUED: OCTOBER 1, 2003

TARIFF F.C.C. NO. 1  
5TH REVISED PAGE 7-103.22  
CANCELS 4TH REVISED PAGE 7-103.22

EFFECTIVE: OCTOBER 16, 2003

## ACCESS SERVICE

### 7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4. Rate Regulations (Cont'd)

##### 7.4.28 BellSouth SPA Modular Video Transport Service

(T)

Rates and charges as specified in 7.5.6 following apply for each BellSouth SPA Modular Video Transport service. BellSouth SPA Modular Video Transport service is a fiber optic transport video service that interconnects two or more customer designated end point locations to provide one way video service with associated audio. This service may utilize an uncompressed National Television Systems Committee (NTSC) video signal, a Component 270 Mbps video signal (Multiple Channel Systems only), an Advanced Television Stream (ATV) video signal, and/or an Intermediate Frequency (IF) video signal at the customer premises. Rate categories include Local Channels, Interoffice Channels, and Optional Features. Multiple endpoint locations may be interconnected to form one way video rings with separate facilities for each transmit and each receive circuit. Nonrecurring charges and recurring rates are applicable for each.

These rates and charges are only valid for locations where facilities exist. If new facilities must be constructed, special construction charges will apply as set forth in the BellSouth Telecommunications, Inc.'s Special Construction Tariff, F.C.C. No. 2. (T)

BellSouth SPA Modular Video Transport service is provided under several payment options: Month-to-Month or under Channel Services Payment Plans (CSPP) for either Plan A (24-48 Months), Plan B (49-72 Months), or Plan C (73-96 Months). All CSPP's are provided under conditions specified in Section 2.4.8 preceding, except as modified following:

- (1) All rate elements, for a given each BellSouth SPA Modular Video Transport service must be provided under the same payment plan with the same service period and are coterminous upon disconnect of that service, for example Local Channels, Interoffice Channels, and any Optional Features.
- (2) A termination liability charge will be applicable if services provided under a CSPP arrangement are disconnected prior to the end of the chosen service period. The applicable charge is equal to the number of months remaining in the rate stabilized service period times 60% of monthly rates for BellSouth SPA Modular Video Transport services which include Local Channels, Interoffice Channels, and Optional Features provided under the CSPP arrangement.

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ISSUED: OCTOBER 1, 2003

TARIFF F.C.C. NO. 1  
12TH REVISED PAGE 7-103.23  
CANCELS 11TH REVISED PAGE 7-103.23

EFFECTIVE: OCTOBER 16, 2003

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.29 Reserved For Future Used (Cont'd)

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ISSUED: OCTOBER 1, 2003

TARIFF F.C.C. NO. 1  
2ND REVISED PAGE 7-103.23.1  
CANCELS 1ST REVISED PAGE 7-103.23.1  
EFFECTIVE: OCTOBER 16, 2003

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.29 Reserved For Future Use (Cont'd)

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ISSUED: OCTOBER 1, 2003

TARIFF F.C.C. NO. 1  
9TH REVISED PAGE 7-103.24  
CANCELS 8TH REVISED PAGE 7-103.24

EFFECTIVE: OCTOBER 16, 2003

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.29 Reserved For Future Use (Cont'd)

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ISSUED: OCTOBER 1, 2003

TARIFF F.C.C. NO. 1  
6TH REVISED PAGE 7-103.24.0.1  
CANCELS 5TH REVISED PAGE 7-103.24.0.1  
EFFECTIVE: OCTOBER 16, 2003

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.29 Reserved For Future Use (Cont'd)

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ISSUED: OCTOBER 1, 2003

TARIFF F.C.C. NO. 1  
7TH REVISED PAGE 7-103.24.1  
CANCELS 6TH REVISED PAGE 7-103.24.1

EFFECTIVE: OCTOBER 16, 2003

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.29 Reserved For Future Used (Cont'd)

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Original Page 28-33 and Original Page 7-103.24.1.

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ISSUED: OCTOBER 1, 2003

TARIFF F.C.C. NO. 1  
6TH REVISED PAGE 7-103.24.2  
CANCELS 5TH REVISED PAGE 7-103.24.2  
EFFECTIVE: OCTOBER 16, 2003

ACCESS SERVICE

7 – Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.29 Reserved For Future Use (Cont'd)

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ISSUED: OCTOBER 1, 2003

TARIFF F.C.C. NO. 1  
9TH REVISED PAGE 7-103.24.3  
CANCELS 8TH REVISED PAGE 7-103.24.3  
EFFECTIVE: OCTOBER 16, 2003

## ACCESS SERVICE

### 7 – Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rate Regulations (Cont'd)

##### 7.4.29 Reserved For Future Use (Cont'd)

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ISSUED: OCTOBER 1, 2003

TARIFF F.C.C. NO. 1  
3RD REVISED PAGE 7-103.24.3.1  
CANCELS 2ND REVISED PAGE 7-103.24.3.1  
EFFECTIVE: OCTOBER 16, 2003

## ACCESS SERVICE

7 – Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.29 Reserved For Future Used (Cont'd)

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and Original Page 28-30.

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ISSUED: OCTOBER 1, 2003

TARIFF F.C.C. NO. 1  
1ST REVISED PAGE 7-103.24.3.2  
CANCELS ORIGINAL PAGE 7-103.24.3.2  
EFFECTIVE: OCTOBER 16, 2003

ACCESS SERVICE

7 – Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.29 Reserved For Future Use (Cont'd)

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and Original Page 28-31.

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ISSUED: OCTOBER 1, 2003

TARIFF F.C.C. NO. 1  
5TH REVISED PAGE 7-103.24.4  
CANCELS 4TH REVISED PAGE 7-103.24.4  
EFFECTIVE: OCTOBER 16, 2003

ACCESS SERVICE

7 – Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.29 Reserved For Future Use (Cont'd)

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ISSUED: OCTOBER 1, 2003

TARIFF F.C.C. NO. 1  
4TH REVISED PAGE 7-103.24.5  
CANCELS 3RD REVISED PAGE 7-103.24.5  
EFFECTIVE: OCTOBER 16, 2003

ACCESS SERVICE

7 – Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.29 Reserved For Future Use (Cont'd)

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Material previously appearing on this page now appears on Original Page 28-22,  
Original Page 28-34, Original Page 28-35 and Original Page 28-38.

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BELLSOUTH TELECOMMUNICATIONS, INC.  
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ISSUED: OCTOBER 1, 2003

TARIFF F.C.C. NO. 1  
3RD REVISED PAGE 7-103.24.6  
CANCELS 2ND REVISED PAGE 7-103.24.6  
EFFECTIVE: OCTOBER 16, 2003

ACCESS SERVICE

7 – Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.29 Reserved For Future Use (Cont'd)

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Material previously appearing on this page now appears on Original Page 28-43.

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BELLSOUTH TELECOMMUNICATIONS, INC.  
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ISSUED: MAY 28, 1999

TARIFF F.C.C. NO. 1  
ORIGINAL PAGE 7-103.25

EFFECTIVE: JUNE 12, 1999

#### ACCESS SERVICE

### 7 – Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

#### 7.4 Rates and Regulations (Cont'd)

(N)

##### 7.4.30 BellSouth DS1 Diverse Service

(N)

Monthly rates and nonrecurring charges as specified in 7.5.9 following apply for BellSouth DS1 Diverse service. Nonrecurring charges will not apply for BellSouth DS1 Diverse service Local Channels when furnished under a payment plan other than month-to-month.

(N)

(N)

(N)

(N)

BellSouth DS1 Diverse service is available under several payment plans: Month-to-Month (with a minimum of 4 months), Plan A (12 to 36 months), Plan B (37 to 60 months) and Plan C (61 to 96 months). Plans A, B, and C are provided under conditions specified in the Transport Payment Plan (TPP) located in 2.4.8(D) preceding, except as modified following:

(N)

(N)

(N)

(N)

(N)

(A) A termination liability charge will be applicable as specified in 2.4.8(D) preceding if BellSouth DS1 Diverse service elements are disconnected prior to the end of the customer-specified service period.

(N)

(N)

(N)

(B) BellSouth DS1 Diverse service is eligible for credit of Nonrecurring Charges under provisions of the Service installation Guarantee (SIG) as specified in 2.4.9 preceding.

(N)

(N)

(N)

(C) Short Interval Charges are applicable for BellSouth DdS1 Diverse service as specified in 5.1.1 preceding.

(N)

(N)

(D) No charges apply for the conversion of existing BellSouth DS1 Diverse service from a Month-to-Month arrangement to a TPP arrangement.

(N)

(N)

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