

BELLSOUTH TELECOMMUNICATIONS, INC.
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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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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.

Certain material previously appearing on this page now appears on Original Page 78-2.1.

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ACCESS SERVICE

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

7.1 General (Cont'd)

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

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

7.1 General (Cont'd)

7.1.1 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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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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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
7-4.

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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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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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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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TARIFF F.C.C. NO. 1
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CANCELS 6TH REVISED PAGE 7-8

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ACCESS SERVICE

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

7.1 General (Cont'd)

7.1.2 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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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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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)(T)(M)(M)(T)(T)(T)(T)(T)(M)

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TARIFF F.C.C. NO. 1
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)

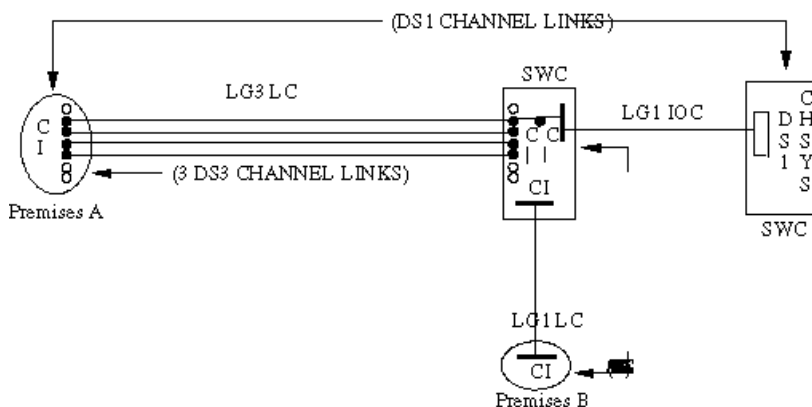
Applicable rate elements are:

- 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)

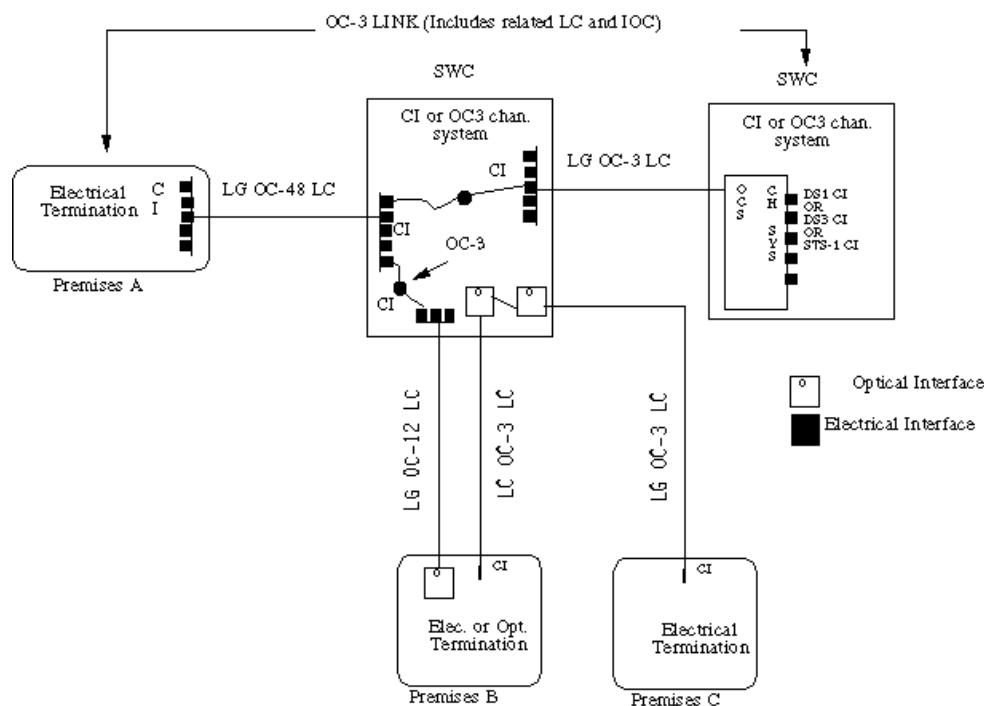
7.1 General (Cont'd)

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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TARIFF F.C.C. NO. 1
3RD REVISED PAGE 7-8.4
CANCELS 2ND REVISED PAGE 7-8.4

EFFECTIVE: AUGUST 13, 2005

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)

EFFECTIVE: DECEMBER 16, 1996

ACCESS SERVICE

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

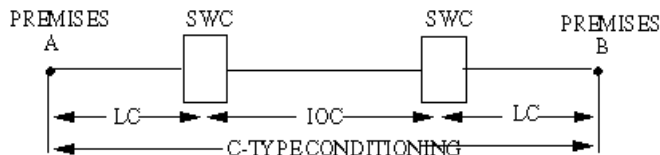
7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(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 Channel¹
IOC - Interoffice Channel²
SWC - Serving Wire Center

Applicable rate elements are:

- Local Channels¹
- Interoffice Channels² (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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TARIFF F.C.C. NO. 1
2ND REVISED PAGE 7-10
CANCELS 1ST REVISED PAGE 7-10

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)

(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)

EFFECTIVE: DECEMBER 16, 1996

ACCESS SERVICE

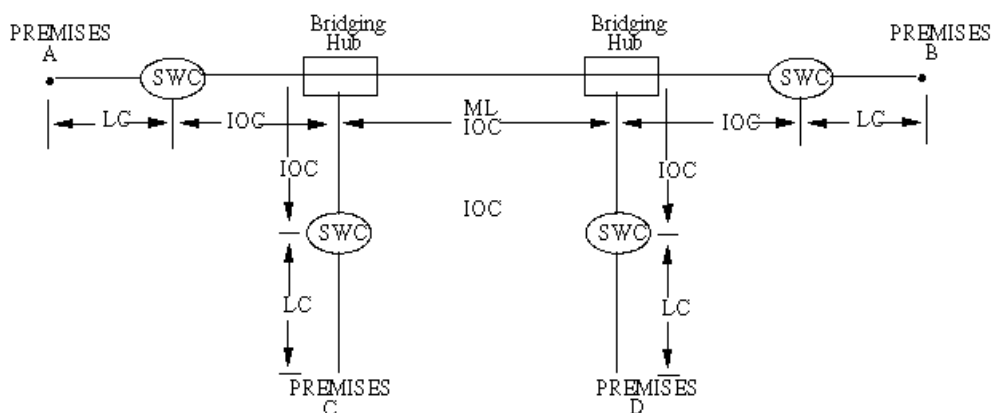
7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(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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TARIFF F.C.C. NO. 1
2ND REVISED PAGE 7-12
CANCELS 1ST REVISED PAGE 7-12
EFFECTIVE: DECEMBER 16, 1996

ACCESS SERVICE

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

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TARIFF F.C.C. NO. 1
8TH REVISED PAGE 7-13
CANCELS 7TH REVISED PAGE 7-13

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).

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) (C)
- 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)

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TARIFF F.C.C. NO. 1
1ST REVISED PAGE 7-13.0.1
CANCELS ORIGINAL PAGE 7-13.0.1

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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)

EFFECTIVE: DECEMBER 16, 1996

ACCESS SERVICE

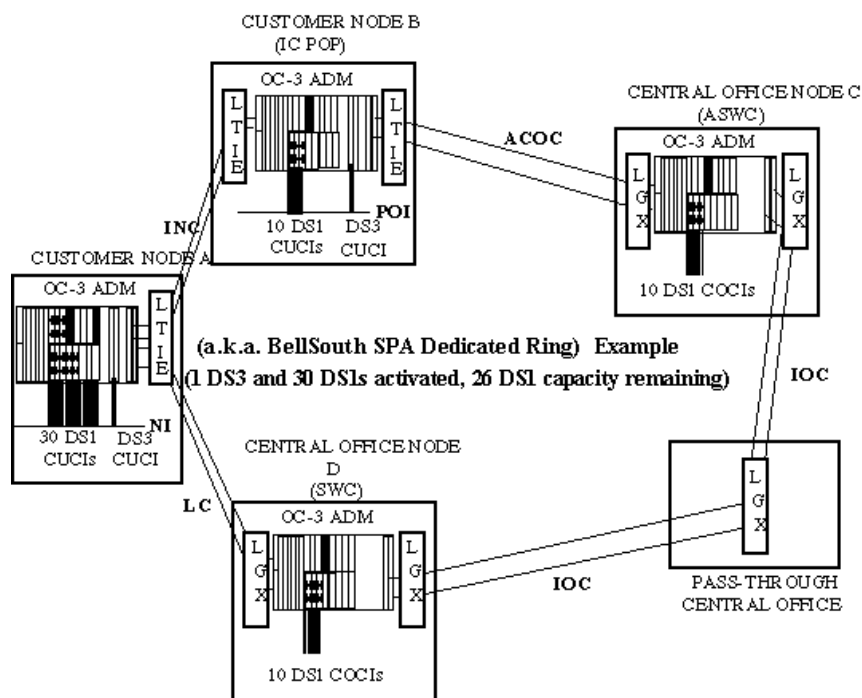
7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(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

EFFECTIVE: DECEMBER 16, 1996

ACCESS SERVICE

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

(T)

7.1 General (Cont'd)

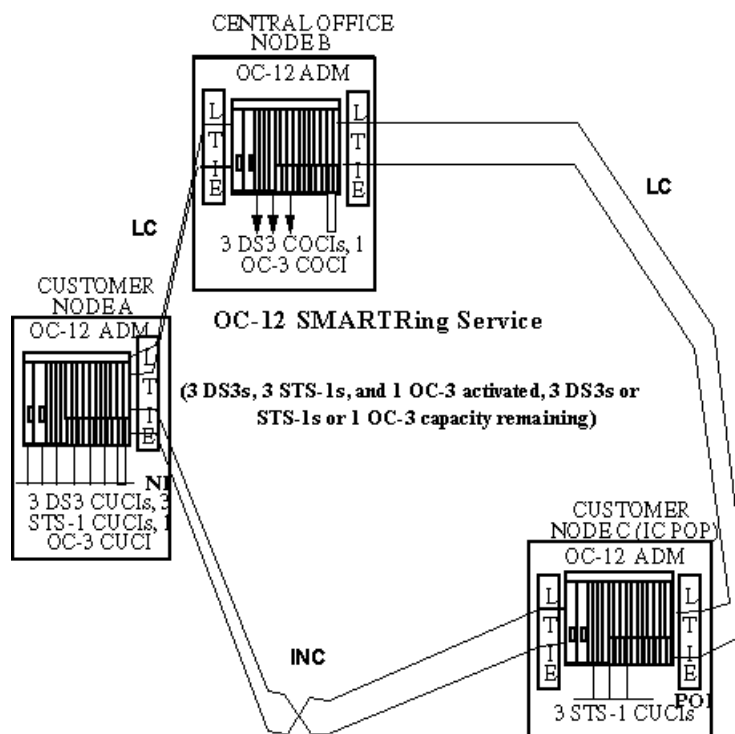
7.1.3 Service Configurations (Cont'd)

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

(T)

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

(T)



(T)

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 Interfaces¹
- 1 OC-3 Customer Channel Interface¹
- 1 OC-3 Central Office Channel Interface¹

(T)

(T)

(T)

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

(T)

(T)

EFFECTIVE: DECEMBER 16, 1996

ACCESS SERVICE

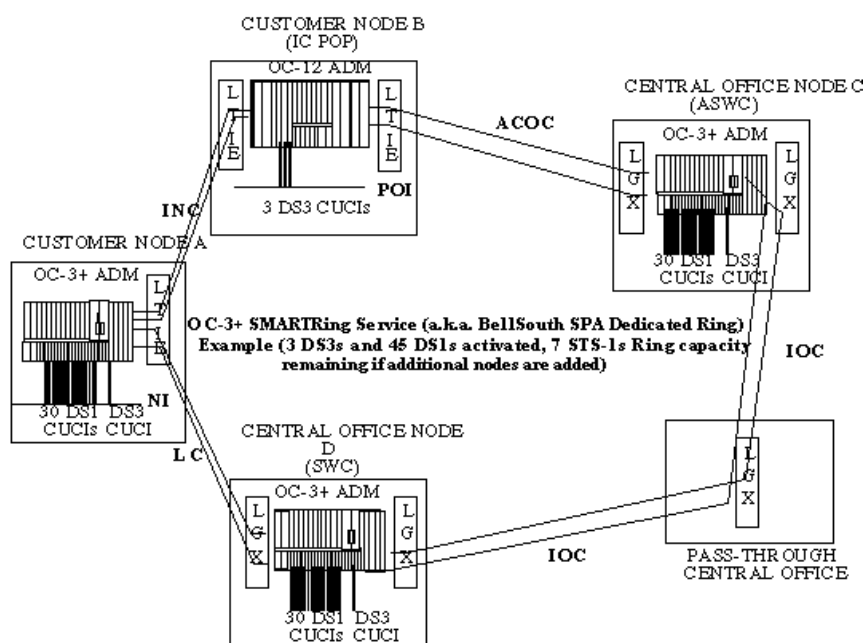
7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(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

EFFECTIVE: DECEMBER 16, 1996

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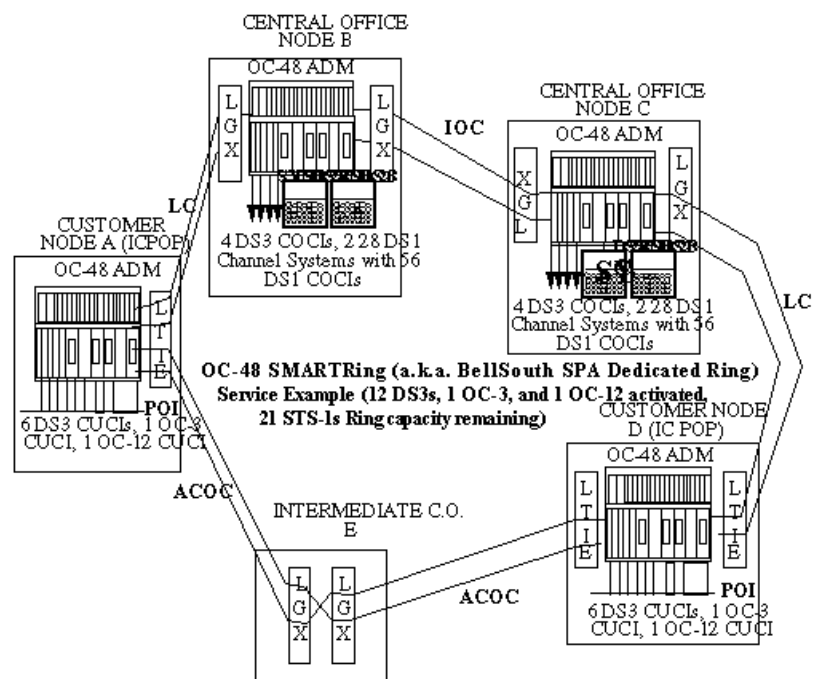
7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

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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ACCESS SERVICE

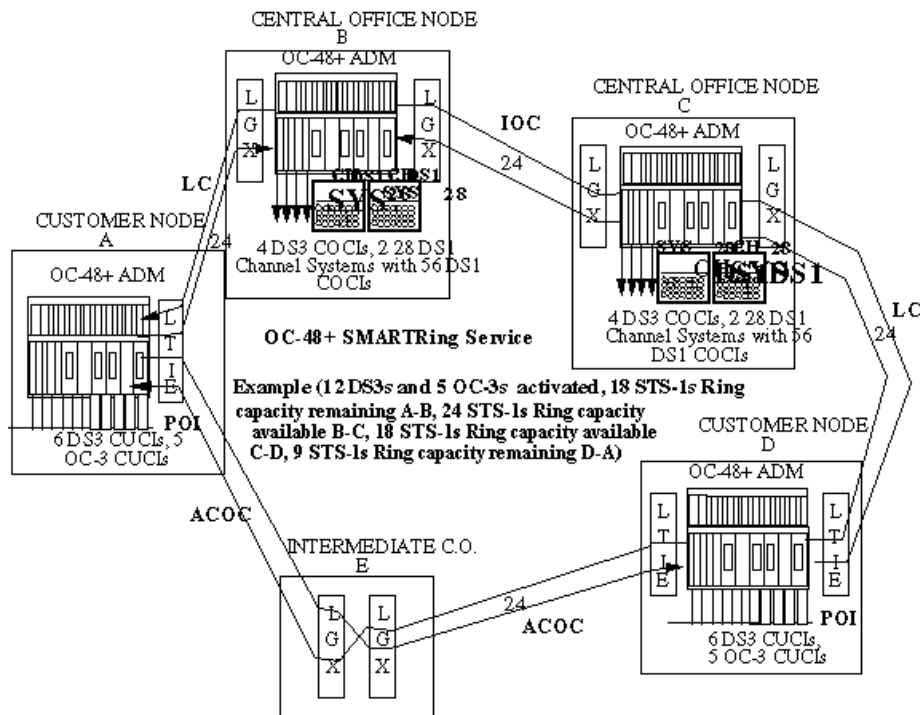
7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (T)

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)

Example: SMARTRing service (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
- 10 OC-3 Customer Channel Interfaces

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TARIFF F.C.C. NO. 1
ORIGINAL PAGE 7-14.4

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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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TARIFF F.C.C. NO. 1
3RD REVISED PAGE 7-15
CANCELS 2ND REVISED PAGE 7-15

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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TARIFF F.C.C. NO. 1
9TH REVISED PAGE 7-16
CANCELS 8TH REVISED PAGE 7-16

EFFECTIVE: OCTOBER 16, 2003

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.).

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TARIFF F.C.C. NO. 1
6TH REVISED PAGE 7-17
CANCELS 5TH REVISED PAGE 7-17
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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)
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(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
7TH REVISED PAGE 7-18
CANCELS 6TH REVISED PAGE 7-18
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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 DS0 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
10TH REVISED PAGE 7-19
CANCELS 9TH REVISED PAGE 7-19

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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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TARIFF F.C.C. NO. 1
1ST REVISED PAGE 7-20
CANCELS ORIGINAL PAGE 7-20

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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TARIFF F.C.C. NO. 1
1ST REVISED PAGE 7-21
CANCELS ORIGINAL PAGE 7-21

EFFECTIVE: DECEMBER 16, 1996

ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.2 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 (T)
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 (T)
provided between customer designated premises or between a customer
designated premises and a Telephone Company Hub.

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TARIFF F.C.C. NO. 1
 2ND REVISED PAGE 7-22
 CANCELS 1ST REVISED PAGE 7-22
 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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TARIFF F.C.C. NO. 1
1ST REVISED PAGE 7-23
CANCELS ORIGINAL PAGE 7-23

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

(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.

BELLSOUTH TELECOMMUNICATIONS, INC.
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TARIFF F.C.C. NO. 1
1ST REVISED PAGE 7-24
CANCELS ORIGINAL PAGE 7-24

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)

(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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TARIFF F.C.C. NO. 1
1ST REVISED PAGE 7-25
CANCELS ORIGINAL PAGE 7-25

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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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TARIFF F.C.C. NO. 1
3RD REVISED PAGE 7-26
CANCELS 2ND REVISED PAGE 7-26

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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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TARIFF F.C.C. NO. 1
2ND REVISED PAGE 7-27
CANCELS 1ST REVISED PAGE 7-27

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)

(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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TARIFF F.C.C. NO. 1
2ND REVISED PAGE 7-28
CANCELS 1ST REVISED PAGE 7-28

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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TARIFF F.C.C. NO. 1
2ND REVISED PAGE 7-29
CANCELS 1ST REVISED PAGE 7-29
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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TARIFF F.C.C. NO. 1
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CANCELS 3RD REVISED PAGE 7-30

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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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												
Improved Termination	X	X	X	X	X	X	X	X	X	X	X	
Simplex Reversal	X	X	X	X	X	X	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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TARIFF F.C.C. NO. 1
3RD REVISED PAGE 7-32
CANCELS 2ND REVISED PAGE 7-32

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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)

(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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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

Parameters	Packages WAL -		
	1	2	3
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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TARIFF F.C.C. NO. 1
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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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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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TARIFF F.C.C. NO. 1
3RD REVISED PAGE 7-36
CANCELS 2ND REVISED PAGE 7-36
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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.4 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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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 two or four associated 15 or 20 kHz audio signal(s). The bandwidth for NTSC channels is either 30 Hz to 4.5 MHz or 30 Hz to 6.6 MHz. The associated audio signal(s) may be either diplexed or provided as separate channels. The provision and the bandwidth of the associated audio signal(s) is a function of the channel interface selected by the customer.

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.

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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TARIFF F.C.C. NO. 1
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CANCELS 3RD REVISED PAGE 7-37
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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)
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CANCELS 4TH REVISED PAGE 7-38.1

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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.5 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)
(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.

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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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)

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(D)

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(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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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 a standard 525-line/60-field, National Television Committee (NTSC) System-M video signal, and includes two 15 kHz audio signals.

- (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 to six video channels per Multiple Channel System.
- (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. Customer designated end-locations are video source locations (transmit) or video distribution locations (receive).

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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.5 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)
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(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)
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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.5 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 (N)

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. (M)
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(M)

(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. (M)
(M)
(M)

(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 six video channels. All channels within a Multiple Channel System must transmit or receive signals in the same direction. (M)
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(M)
(M)

(3) Audio channels are provided with each 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. (M)
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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)

Material now appearing on this page previously appeared on 4th Revised Page 7-38.3 and 4th Revised Page 7-38.5

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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.5 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)

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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.5 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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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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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

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.

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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.5 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.

(C)
(C)
(C)
(C)
(C)

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.

(T)
(N)
(N)

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.

(T)

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. Component 270 Video is only available for use with Multiple Channel Systems.

(N)
(N)

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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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)

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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.5 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.

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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.5 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. Each Component 270 transmit video interface requires two time slots per plug in.
- (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. Each Component 270 receive video interface requires two time slots per plug in.
- (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. 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.

(T)
(N)

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

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

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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

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

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

(T)

(B) Technical Specifications Package

(N)

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.

(N)

(N)

(N)

(N)(x)

(C) Channel Interfaces

(N)

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

(N)

(N)(x)

(N)(x)

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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.6 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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CANCELS 1ST REVISED PAGE 7-40

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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.6 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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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 ¹					

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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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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TARIFF F.C.C. NO. 1
3RD REVISED PAGE 7-44
CANCELS 2ND REVISED PAGE 7-44

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
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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.8 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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TARIFF F.C.C. NO. 1
3RD REVISED PAGE 7-46
CANCELS 2ND REVISED PAGE 7-46

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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.8 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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TARIFF F.C.C. NO. 1
5TH REVISED PAGE 7-47
CANCELS 4TH REVISED PAGE 7-47

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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.8 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
CANCELS 7TH REVISED PAGE 7-48

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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.8 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
7TH REVISED PAGE 7-49
CANCELS 6TH REVISED PAGE 7-49

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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.9 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 kbps¹ 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
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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.9 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
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CANCELS 4TH REVISED PAGE 7-49.1
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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.9 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
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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>				(M)
	<u>DS1</u>	<u>DS3</u>	<u>STS-1</u>	<u>OC-3</u>	(M)
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 4th Revised
 Page 7-49.1.

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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)

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.

(C)
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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)

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

(N)

(N)

(N)

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TARIFF F.C.C. NO. 1
 1ST REVISED PAGE 7-49.3.0.1
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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.9 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	(N)
DS3 (11)		X	X	X	X	
DS3 (Asymmetrical with DS1) (14)		X				(N)
DS3 (Asymmetrical with Flex DS1) (14)			X	X	X	(N)
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	

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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.9 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:

- 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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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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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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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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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.

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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.9 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)
(N)
(N)
(N)
(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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CANCELS 3RD REVISED PAGE 7-51
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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.9 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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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)
(T)
(T)
(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 ¹	X	X			
BellSouth Customer Network Management Service	X	X			X
Clear Channel Capability		X			

(C)
(C)
(C)

(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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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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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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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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CANCELS 8TH REVISED PAGE 7-56
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

(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. (C)

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)

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. (C)

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. (C)

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. (C)

(M)

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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)

7.2.11 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. (C)

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.

EFFECTIVE: DECEMBER 30, 2004

ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.11 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:

Channel Interfaces	Nodes							
	OC-1	OC-3	OC-3+	OC-12	OC-48	OC-48+	OC-192	OC-192+
DS1	Yes	Yes	Yes	No	No ¹	No ¹	No ¹	No ¹
DS3	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes ³
STS-1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes ³
OC-1 ²	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 ³
28 DS1 Channel Sys (DS3)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes ³
28 DS1 Channel Sys (STS-1)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes ³
OC-48	No	No	No	No	No	No	Yes	Yes
DS3 (Asymmetrical with DS1)	No	Yes	Yes	Yes	Yes	No	Yes	No
DS1 within an STS-1 Asymmetrical Arrangement	No	Yes	Yes	No	No	No	No	No
10 Mbps	No	No	No	Yes	Yes	Yes	Yes	Yes
100 Mbps	No	No	No	Yes	Yes	Yes	Yes	Yes
1000 Mbps	No	No	No	No	Yes ⁴	Yes ⁴	Yes ⁴	Yes ⁴
Flex DS1	No	No	No	Yes	Yes	No	Yes	No
Fractional 1000 Mbps at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps	No	No	No	Yes	Yes	Yes	Yes	Yes
Fractional 1000 Mbps at 600 Mbps	No	No	No	No	Yes	Yes	Yes	Yes

(N)

(N)

(N)

(N)

(N)

(N)

(N)

(M)

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.

Certain material previously appearing on this page now appears on Fifth Revised Page 7-57.2.1.

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). (M)

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 96. For DS1 interface requirements greater than the 96 Flex DS1 capability, standard DS1 interfaces are available via OC-1, OC-3 and OC-3+ Overlay Ring Arrangements or 28 DS1 Channel Systems. (M)

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. (M)

The DS3 (Asymmetrical with DS1) may interface at an OC-12, OC-48 or OC-192 node with a Flex DS1 interface. (M)

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. (M)

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. (M)

Certain material now appearing on this page previously appeared on Eighth Revised Page 7-57.2.

Certain material previously appearing on this page now appears on Original Page 7-57.2.1.1.

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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)

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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.11 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.

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. (C)

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. (C)

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 not available with SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) channel interfaces which transport BellSouth SWA service. (C)

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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.11 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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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.

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ACCESS SERVICE

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

7.2 Service Description (Cont'd)

7.2.13 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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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)
(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)
(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)
(T)

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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 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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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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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.

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.

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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)

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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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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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.

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

Certain material now appearing on this page previously appeared on 4th Revised Page 7-58.8.

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

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ACCESS SERVICE

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

7.2 Service Description (Cont'd)

7.2.16 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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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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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

(T)

(M)

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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.17 Reserved For Future Used (Cont'd)

(T)

(M)

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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.17 Reserved For Future Use (Cont'd)

(T)

(M)

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Page 28-19, Original Page 28-24 and Original Page 28-25.

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ISSUED: AUGUST 25, 1999

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)

7.2.17 Reserved For Future Used (Cont'd)

(T)

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29G57, 675 W. Peachtree St., N.E.
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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.17 Reserved For Future Use (Cont'd)

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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.17 Reserved For Future Use (Cont'd)

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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.17 Reserved For Future Use (Cont'd)

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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.17 Reserved For Future Use (Cont'd)

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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.17 Reserved For Future Used (Cont'd)

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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)

(R) Automatic Protection Switching (APS) (Cont'd)

(N)

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).

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

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).

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

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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>
-	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>
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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CANCELS 4TH REVISED PAGE 7-68

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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)

7.3.4 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

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ACCESS SERVICE

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

7.4 Rate Regulations (Cont'd)

7.4.1 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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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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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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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)
- 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)
- 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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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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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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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)

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ACCESS SERVICE

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

7.4 Rate Regulations (Cont'd)

7.4.5 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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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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TARIFF F.C.C. NO. 1
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CANCELS ORIGINAL PAGE 7-81.2
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ACCESS SERVICE

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

7.4 Rate Regulations (Cont'd)

7.4.6 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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ACCESS SERVICE

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

(T)

7.4 Rate Regulations (Cont'd)

BELLSOUTH TELECOMMUNICATIONS, INC.
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ACCESS SERVICE

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

7.4 Rate Regulations (Cont'd)

7.4.9 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.

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
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ACCESS SERVICE

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

7.4 Rate Regulations (Cont'd)

7.4.9 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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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
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ACCESS SERVICE

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

(T)

7.4 Rate Regulations (Cont'd)

7.4.10 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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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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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.

BELLSOUTH TELECOMMUNICATIONS, INC.
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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)

(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)

BELLSOUTH TELECOMMUNICATIONS, INC.
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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)

(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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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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TARIFF F.C.C. NO. 1
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CANCELS ORIGINAL PAGE 7-99.2

EFFECTIVE: DECEMBER 16, 1996

ACCESS SERVICE

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

7.4 Rate Regulations (Cont'd)

7.4.13 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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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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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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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.

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) (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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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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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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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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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.

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ACCESS SERVICE

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

7.4 Rate Regulations (Cont'd)

7.4.23 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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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.

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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 5th Revised Page 7-103.14 and 2nd Revised Page 7-103.15.

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29G57, 675 W. Peachtree St., N.E.
Atlanta, Georgia 30375
ISSUED: DECEMBER 14, 2001

TARIFF F.C.C. NO. 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)

7.4.25 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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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)

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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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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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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)

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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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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)
(D)
(D)
(D)
(D)
(D)
(D)
(D)
(D)

(D)
(D)
(D)

If the customer designates an Alternate Aggregation Location, an Alternate Aggregation Location Establishment Charge shall apply.

	<u>Alternate Aggregation Establishment Charge</u>	<u>USOC</u>
Nonrecurring Charge Per Alternate Aggregation Location Established	\$1500.00	OHSLE

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ACCESS SERVICE

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

7.4. Rate Regulations (Cont'd)

7.4.27 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 DSIs 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 DSIs 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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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 SPA voice grade circuit on a BellSouth SPA Managed Shared Network Service DS3 local channel.

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.

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ACCESS SERVICE

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

7.4. Rate Regulations (Cont'd)

7.4.28 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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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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Material previously appearing on this page now appears on Original Page 28-26,
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ACCESS SERVICE

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

7.4 Rate Regulations (Cont'd)

7.4.29 Reserved For Future Use (Cont'd)

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ACCESS SERVICE

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

7.4 Rate Regulations (Cont'd)

7.4.29 Reserved For Future Use (Cont'd)

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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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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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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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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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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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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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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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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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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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ACCESS SERVICE

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

7.4 Rates and Regulations (Cont'd)

7.4.31 Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video) Service

Rates and charges as specified in 7.5.6 following apply for each Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video) Service. Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video) Service is a fiber optic transport video service that interconnects two customer designated end point locations or a customer designated premises and a Telephone Company central office to provide one-way video service with associated audio. This service is transported as either a National Televisions Systems Committee (NTSC) video signal or a Serial Digital Interface (SDI) video signal. Rate categories include Local Channels and Interoffice Channels. 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.

Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video) Service is provided under a month-to-month rate option for customers subscribing on or after December 29, 2001. For customers subscribing prior to December 29, 2001, the NTSC option is provided under Month-to-Month rates and the SDI option is available under Month-to-Month and 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 each Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video) 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 and Interoffice Channels.
- (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 Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video) Service which include Local Channels and Interoffice Channels provided under the CSPP arrangement.

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ACCESS SERVICE

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

7.4 Rates and Regulations (Cont'd)

7.4.31 Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video) Service (cont'd)

- Customers under a CSPP may upgrade to Modular Video Transport Service under a CSPP without incurring any termination charges when: (N)
- (a) the completed service period is 12 months, or 25% of the length of the originally selected CSPP service period, whichever is greater, and (N)
 - (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 (N)
 - (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. (N)

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ACCESS SERVICE

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

7.4 Rate Regulations (Cont'd)

7.4.32 BellSouth Metro Ethernet Service

Effective December 17, 2004, BellSouth Native Mode LAN Interconnection Service is being restructured in its entirety and being renamed BellSouth Metro Ethernet Service. Any BellSouth Native Mode LAN Interconnection Service in place as of this date shall be converted to the most comparable BellSouth Metro Ethernet Service with no change in payment plan selection as a result of such conversion.

(A) General

- (1) The minimum service period for BellSouth Metro Ethernet Service is four months.
- (2) Suspension of BellSouth Metro Ethernet Service is not allowed.
- (3) BellSouth Metro Ethernet Service is available 24 hours per day, 7 days per week, except for preventive maintenance.

Due to the nature of BellSouth Metro Ethernet Service it will be necessary to perform preventive maintenance and software updates. This will mean that BellSouth Metro Ethernet Service will be unavailable during the period of time when preventive maintenance is being performed. This could result in the service being unavailable during the period between 1:00 AM and 5:00 AM Eastern Time on the specific days as set forth by state in the following chart. However, the Telephone Company reserves the right to perform maintenance at any time at its discretion that it believes such maintenance is necessary. The Telephone Company will make a reasonable effort to provide notice to those customers likely to be affected by such maintenance work.

<u>State</u>	<u>Scheduled Maintenance Days</u>
Alabama	Sunday and Monday
Florida	Sunday and Wednesday
Georgia	Sunday and Friday
Kentucky	Sunday and Monday
Louisiana	Sunday and Tuesday
Mississippi	Sunday and Tuesday
North Carolina	Sunday and Saturday
South Carolina	Sunday and Saturday
Tennessee	Sunday and Thursday

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.

Effective 12/17/04 BellSouth Native Mode LAN Interconnection Service has been restructured in its entirety and renamed BellSouth Metro Ethernet Service.

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ACCESS SERVICE

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

7.4 Rate Regulations (Cont'd)

7.4.32 BellSouth Metro Ethernet Service (Cont'd)

(A) General (Cont'd)

(T)

(4) Obligations of customer and Telephone Company:

- (a) The Telephone Company is not responsible for the installation, operation or maintenance of any equipment provided by the customer.
- (b) The customer is responsible for the provision and maintenance of all customer provided equipment and to insure that the operating characteristics of this equipment is comparable with and does not interfere with the service offered by the Telephone Company.
- (c) At the BellSouth Metro Ethernet Service Connection point the customer's signals must conform to IEEE Standards 802.3, 802.3u or 802.3z. To meet end-to-end delay requirements contained in these aforementioned standards, the customer may be required to provide additional equipment.

- (5) While BellSouth Metro Ethernet Service transport facilities typically connect a customer premises with a BellSouth Metro Ethernet Service wire center, BellSouth Metro Ethernet Service may alternately be utilized with the appropriate Cross Connect elements in Section 13 of this Tariff to connect a customer's collocation service arrangement (as opposed to a customer premises) with a BellSouth Metro Ethernet Service wire center. Rates and charges for the BellSouth Metro Ethernet Service Connection are applicable for such connectivity; collocation service arrangements located greater than 10 miles from the BellSouth Metro Ethernet Service wire center will additionally require BellSouth Metro Ethernet Service Additional Mileage charges.

Additionally, a BellSouth Metro Ethernet Service Connection provided in association with a collocation arrangement may not be provisioned with Automatic Protection Switching.

(N)
(N)
(N)

ACCESS SERVICE

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

7.4 Rate Regulations (Cont'd)

7.4.32 BellSouth Metro Ethernet Service (Cont'd)

(A) General (Cont'd)

- (6) In some cases, the Telephone Company and another Incumbent Local Exchange Company (ILEC) may agree to jointly provide a customer Metro Ethernet Service. The rates and charges for the BellSouth Metro Ethernet Service Connection are applicable for such connectivity; charges for BellSouth Metro Ethernet Additional Mileage are also applicable when the mileage from the BellSouth/ILEC meet-point to the BellSouth Metro Ethernet wire center associated with the service is over 10 miles. The Telephone Company is only responsible for the ordering, provisioning, maintaining and billing of such service up to the meet-point (i.e., demarcation point with the ILEC). BellSouth Metro Ethernet Service SLA credits shall only be applicable for the portion of the service provided within the territory of the Telephone Company; such credits are appropriate only for missed commitments determined to be the fault of the Telephone Company.

(B) Rate Categories and Regulations

- (1) The following rate categories apply for BellSouth Metro Ethernet Service. Applicable rates and charges are provided in 7.5.22.

- (a) Basic BellSouth Metro Ethernet Service Connection
- (b) Premium BellSouth Metro Ethernet Service Connection
- (c) Dedicated BellSouth Metro Ethernet Service Connection
- (d) BellSouth Metro Ethernet Service Additional Mileage Charges
- (e) Priority Plus Feature
- (f) Q-Forwarding Feature
- (g) Metro Ethernet Reporting Feature
- (h) Automatic Protection Switching Feature
- (i) Service Reconfiguration Charge
- (j) System Reconfiguration Charge

(N)
(T)
(T)

- (2) BellSouth Metro Ethernet Service is available under month-to-month rates or under an optional term commitment plan as follows¹.

A customer may elect to subscribe to either a BellSouth Fast Packet Services Savings Plan (FSP) as described in Section 2.4.8(F) which provides discounts off the BellSouth Metro Ethernet Service month-to-month rates provided in 7.5.22.(A), or a customer may elect to subscribe to the Transport Payment Plan (TPP) as described in Section 2.4.8(D) to receive the TPP rates provided in 7.5.22.(B)².

Note 1: Customers with an existing BellSouth Premium Service Incentive Plan may receive such discounts on BellSouth Metro Ethernet Service in accordance with the regulations in 2.4.8.(G) that stipulate BellSouth Native Mode LAN Interconnection Service may be included in such a plan. (T)
(T)

Note 2: Customers subscribing to a TPP may elect to receive further discounts under the BellSouth Transport Advantage Plan (TAP) provided in 2.4.8.(H).

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ACCESS SERVICE

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

7.4 Rate Regulations (Cont'd)

7.4.32 BellSouth Metro Ethernet Service (Cont'd)

(B) Rate Categories and Regulations (Cont'd)

- (3) BellSouth Metro Ethernet Service Connections are provided utilizing various Ethernet equipment configurations referred to herein as "physical service types". The physical service type of each BellSouth Metro Ethernet Connection is provided in the chart in (5) following.
- (4) A hierarchy of the various BellSouth Metro Ethernet Service Connections by capability (i.e., dedicated, basic and premium) and speed is provided in the chart in (5) following. This chart provides a higher order of service ranking that is utilized to determine the appropriate nonrecurring charges for service reconfiguration requests. This ranking is also utilized to determine if termination liability is applicable for specific reconfiguration requests if the service is under a TPP term commitment.
- (5) The following informational chart provides the physical service type of each BellSouth Metro Ethernet Connection and provides the other BellSouth Metro Ethernet Connections which are considered to be a higher order of service (BellSouth Metro Ethernet Service hierarchy).

Metro Ethernet Connection (Mbps):	Physical Service Type:	Higher Order of Service (Mbps):
- Dedicated 100	Dedicated I	Basic 1000; Dedicated 1000; Premium ¹ 100, 250 or 500
- Dedicated 1000	Dedicated II	Premium ¹ 500
- Basic 10	Basic I	Basic 100 or 1000; Premium ¹ 10, 20, 50, 100, 250 or 500
- Basic 100	Basic II	Basic 1000; Premium ¹ 100, 250 or 500
- Basic 1000	Basic III	Premium ¹ 500
- Premium ¹ 10	Premium I	Basic 1000; Premium ¹ 20, 50, 100, 250 or 500
- Premium ¹ 20	Premium I	Basic 1000; Premium ¹ 50,100,250 or 500
- Premium ¹ 50	Premium I	Premium ¹ 100, 250 or 500
- Premium ¹ 100	Premium II	Premium ¹ 250 or 500
- Premium ¹ 250	Premium II	Premium ¹ 500
- Premium ¹ 500	Premium II	None offered at this time

(T)
(T)

Note in the above chart that the reference to Dedicated/Basic 1000 Mbps refers to Dedicated/Basic 1 Gbps.

Note 1: Fixed Mode or Burst Mode

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.

Effective 12/17/04 BellSouth Native Mode LAN Interconnection Service has been restructured in its entirety and renamed BellSouth Metro Ethernet Service.

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ACCESS SERVICE

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

7.4 Rate Regulations (Cont'd)

7.4.32 BellSouth Metro Ethernet Service (Cont'd)

(B) Rate Categories and Regulations (Cont'd)

- (6) A BellSouth Metro Ethernet reconfiguration nonrecurring charge is applicable for a customer request to reconfigure (rearrange) an existing BellSouth Metro Ethernet Connection. The appropriate reconfiguration charge is dependent upon the physical work required to fulfill the request and applies in lieu of other nonrecurring charges.

A Service Reconfiguration Charge is applicable for requests where the work required is a minor change that does not involve changing the physical service type. The Service Reconfiguration Charge is applicable for a request to change an existing connection to a different connection that is the same physical service type, is applicable for a request to change a Premium connection from fixed mode to burst mode (and vice versa) and is applicable for a request to change a Premium connection to add or delete the Priority Plus feature.

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

A System Reconfiguration Charge is applicable for requests where the work required involves changing to a different physical service type or involves major support system changes. The System Reconfiguration Charge is applicable for requests to change an existing connection to a different connection that is a different physical service type, to change the network channel terminating equipment (NCTE) interface option from optical to electrical (or vice-versa), and to change the premises powering options from AC power to DC power (or vice-versa).

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ACCESS SERVICE

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

7.4 Rate Regulations (Cont'd)

7.4.32 BellSouth Metro Ethernet Service (Cont'd)

(B) Rate Categories and Regulations (Cont'd)

- (7) A reconfiguration charge is applicable for a customer request to reconfigure an existing BellSouth Metro Ethernet Connection to a different BellSouth Metro Ethernet Connection that is a higher order of service; the appropriate reconfiguration charge is applicable in lieu of the standard nonrecurring charge for the higher order of service connection. A Service Reconfiguration Charge is applicable when the higher order of service connection is the same physical service type; a System Reconfiguration Charge is applicable when the higher order of service connection is a different physical service type. New minimum period requirements are established for the higher order of service connection.
- (8) A Premium BellSouth Metro Ethernet Connection-Fixed Mode and Premium BellSouth Metro Ethernet Connection-Burst Mode of the same speed are considered to be the same order of service and same physical service type. A Service Reconfiguration Charge is applicable for a customer request to reconfigure a Premium BellSouth Metro Ethernet Connection from Fixed Mode to Burst Mode (at the same speed), or vice versa; this nonrecurring charge is in lieu of the nonrecurring charge for the new connection. Such a change is not treated as a disconnect and there will be no change in the minimum period requirements.
- (9) Except as specified in (8) preceding, a BellSouth Metro Ethernet Connection not shown as a higher order of service in the hierarchy chart in (5) preceding for a given BellSouth Metro Ethernet Connection is considered to be a lower order of service. A reconfiguration charge is applicable for a customer request to change an existing BellSouth Metro Ethernet Connection to a different BellSouth Metro Ethernet Connection that is a lower order of service; the appropriate reconfiguration charge is applicable in lieu of the standard nonrecurring charge for the lower order of service connection. A Service Reconfiguration Charge is applicable when the lower order of service connection is the same physical service type; a System Reconfiguration Charge is applicable when the lower order of service is a different physical service type. New minimum period requirements are established for the lower order of service connection.

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ACCESS SERVICE

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

7.4 Rate Regulations (Cont'd)

7.4.32 BellSouth Metro Ethernet Service (Cont'd)

(B) Rate Categories and Regulations (Cont'd)

- (10) A System Reconfiguration Charge is applicable for a customer request to change the premises powering option (AC power to DC power) or NCTE signaling interface option (optical to electrical, or vice-versa) on an existing BellSouth Metro Ethernet Connection. Such a change is not treated as a disconnect and there will be no change in the minimum period requirements.
- (11) A move of a BellSouth Metro Ethernet Service will be as follows (in accordance with Section 7.4.5 and, if applicable, Section 2.4.8(D)(5)).

When the move is to a new location within the same building, the charge for the move will be an amount equal to one-half of the Connection nonrecurring charge. There will be no change in the minimum period requirements.

When the move is to a new location in a different building that is within the same serving wire center, the charge for the move will be the nonrecurring charge for the BellSouth Metro Ethernet Service Connection. New minimum period requirements will be established.¹ (T)

When the move is to a new location in a different building that is not in the same serving wire center, the request is treated as a discontinuance and start of service and all associated BellSouth Metro Ethernet Service nonrecurring charges will apply. New minimum period requirements will be established. (T)

Note 1: Such moves of Metro Ethernet Service with Automatic Protection Switching (APS) shall additionally incur the full nonrecurring charge for establishing the APS feature at the new premises (as a new APS design will be required). The APS monthly recurring charge may change as appropriate based upon the actual route mileage associated with the new premises' APS design. (N)
(N)
(N)
(N)
(N)
(N)

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ACCESS SERVICE

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

7.4 Rate Regulations (Cont'd)

7.4.32 BellSouth Metro Ethernet Service (Cont'd)

(C) Service Level Agreement for BellSouth Metro Ethernet Service

Customer networks with Premium BellSouth Metro Ethernet Service and Metro Ethernet Reporting are provided Service Level Agreements (SLAs) as summarized herein 7.4.32(C). BellSouth Metro Ethernet Service SLAs outlined herein specify the Telephone Company's repair and performance commitments for Metro Ethernet Reporting customers. Details of the technical measurements and performance results methodologies for each commitment are provided in BellSouth Technical Reference TR-73632.

In accordance with 7.4.32(C)(3)(c) following, credits are available for missed commitments to customers purchasing Premium BellSouth Metro Ethernet Service with the Metro Ethernet Reporting feature. Credits only apply for portions of service provided by the Telephone Company.

The following service measurements will outline the service levels the Telephone Company will deliver to Metro Ethernet Reporting customers:

Repair Commitment:

- BellSouth Metro Ethernet Service Time-to-Repair

Network Service Level Commitments:

- BellSouth Metro Ethernet Service Core Network Availability
- BellSouth Metro Ethernet Service Core Network Latency

The Repair Commitment is measured on a per occurrence basis for each BellSouth Metro Ethernet Connection. A Fault Report is produced thru the Metro Ethernet Reporting system that aids identification of potential outage durations upon which credits may be requested.

The Network Service Level Commitments are measured on the monthly performance of the Metro Ethernet core network during a specific calendar month. An SLA Report is produced thru the Metro Ethernet Reporting system that provides details of missed Network Service Level Commitments upon which credits may be requested based upon a specific calendar month's performance results.

The Company's performance measurement data for the Repair Commitment and Network Service Level Commitments will be collected and calculated utilizing the Company's internal processes as set forth in BellSouth Technical Reference TR-73632. The Company's calculation of its performance shall be the sole determinate of the Company's obligation to provide a credit for a missed performance commitment.

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ACCESS SERVICE

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

7.4 Rate Regulations (Cont'd)

7.4.32 BellSouth Metro Ethernet Service (Cont'd)

(C) Service Level Agreement for BellSouth Metro Ethernet Service¹ (Cont'd)

(1) SLA Definitions

BellSouth Metro Ethernet Service Time to Repair

- BellSouth Metro Ethernet Service Time-To-Repair measures the outage duration on a customer's BellSouth Metro Ethernet Connection. This measure will require the customer to report the problem to the BellSouth repair center.
- The repair interval will start with the time the trouble ticket is created and end when the fault is re-mediated. The Service Level Commitment measurement will be based on each individual trouble ticket for a customer's connection. Time for scheduled maintenance windows (as set forth in 7.4.32(A)(3)) does not count towards SLA threshold.

BellSouth Metro Ethernet Service Network Availability

- BellSouth Metro Ethernet Service Network Availability measures the percentage of time during a calendar month that the customer's service is unavailable on the core network. The core network is defined as being from the Ethernet switch serving the customer's A-end to the Ethernet switch serving the customer's B-end. Customer networks that do not span more than one switch in the core network are not eligible for the Network Availability SLA, and one will not be provided.
- This Service Level Commitment will be calculated by measuring and summing the outage for each core network component used by the customer, divided by the total number of components, times the total service time for a particular calendar month. Excluded from the outage time and service time are scheduled maintenance windows (as set forth in 7.4.32(A)(3)) and time the network was unavailable due to circumstances outside the Telephone Company's control (as set forth in 7.4.32(C)(3)(b)).

Note 1: Details of the technical measurements and performance results methodologies for each commitment are provided in BellSouth Technical Reference TR-73632.

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- ACCESS SERVICE (N)
- 7 – Special Access (a.k.a. BellSouth SPA) Service (Cont'd) (N)
- 7.4 Rate Regulations (Cont'd) (N)
- 7.4.32 BellSouth Metro Ethernet Service (Cont'd) (C)
- (C) Service Level Agreement for BellSouth Metro Ethernet Service¹ (Cont'd) (N)
- (1) SLA Definitions (Cont'd) (N)
- BellSouth Metro Ethernet Service Network Latency (N)
- BellSouth Metro Ethernet Service Network Latency measures average one-way delay in milliseconds within the core network. The core network is defined as being from the Ethernet switch serving the customer's A-end to the Ethernet switch serving the customer's B-end. Customer networks that do not span more than one switch in the core network are not eligible for the Network Latency SLA, and one will not be provided. (N)
 - This Service Level Commitment will be calculated by averaging the measured latency of simulated traffic within the Metro Ethernet Customer Network (i.e., between each pair of connections) during a calendar month. (N)
- (2) The Telephone Company's Service Level Commitments for BellSouth Metro Ethernet Service are as follows: (N)
- BellSouth Metro Ethernet Service Time-To-Repair – 4 hours or less (N)
 - BellSouth Metro Ethernet Service Network Availability – 99.9% or higher (N)
 - BellSouth Metro Ethernet Service Network Latency – 55 milliseconds or less (N)

Note 1: Details of the technical measurements and performance results methodologies for each commitment are provided in BellSouth Technical Reference TR-73632. (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.

Effective 12/17/04 BellSouth Native Mode LAN Interconnection Service has been restructured in its entirety and renamed BellSouth Metro Ethernet Service.