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## E7. SPECIAL ACCESS (A.K.A. BELL SOUTH SPA) SERVICE

### E7.1 General (Cont'd)

#### E7.1.1 Rate Categories (Cont'd)

- D.** Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing<sup>®</sup> service [a.k.a. BellSouth Dedicated Ring]) (Cont'd)
8. Internodal Channel  
The Internodal Channel provides for the communications path between two directly connected Customer Nodes of a given SMARTRing<sup>®</sup> service (a.k.a. BellSouth 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<sup>®</sup> service (a.k.a. BellSouth 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<sup>®</sup> service (a.k.a. BellSouth 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 capacity interfaces at each node subsequent to the initial service installation.

**E.** Channel Types

There are nine 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:

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

A basic channel and a list of available transmission parameters and channel interfaces, those that they desire to meet specific communications requirements can be ordered.

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 the use of the channel nor to imply that the channel is limited to a particular use. For example, if an end user's equipment is capable of transmitting voice over a channel that is identified as Metallic (a.k.a. BellSouth SPA Metallic) service in this Tariff, there is no restriction against doing so.

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 DS0 VG) - a channel for the transmission of analog signals within an approximate bandwidth of 300-3000 Hz.

WATS Access Line (a.k.a. BellSouth SPA WATS Line) (WAL) - a channel from a customer designated premises to a WATS serving office for 800, WATS, or similar services.

Program Audio<sup>(1)</sup> - a channel for the transmission of audio signals. The nominal frequency bandwidths are from 200 to 3500 Hz, from 100 to 5000 Hz or from 50 to 8000 Hz. (N)

Commercial Quality Video (a.k.a. BellSouth SPA Commercial Quality Video) - a channel for the transmission of video signal(s) for non-broadcast use. The service includes two associated 12 kHz audio signals.

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, 3.152, 6.312, or 44.736 Mbps.

Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) - a digital data channel, derived from a two-wire local exchange line, that transmits voice and data signals simultaneously. A Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) provides digital transmission of data at 2.4 Kbps.

Detailed descriptions of each of the channel types are provided in E7.2. following.

The option also exists for ordering digital high capacity facilities (i.e., 1.544 Mbps, 3.152 Mbps, 6.312 Mbps and 44.736 Mbps) to a Company Hub for channelization to individual channels of a lower capacity. 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 E7.2 following. Additionally, the IC 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 E7.2 following.

**Note 1:** Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021.

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## E7. SPECIAL ACCESS (A.K.A BELLSOUTH SPA) SERVICE

### E7.2 Service Descriptions for Special Access (*a.k.a. BellSouth SPA*) Service (Cont'd)

#### E7.2.2 Digital Services (Cont'd)

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

##### 4. Optional Features and Functions (Cont'd)

##### c. Channelization

##### (1) DS3 to DS1

An arrangement that channelizes a 44.736 Mbps channel to 28 DS1 channels.

##### (2) DS2 to DS1

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

##### (3) DS1C to DS1

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

##### (4) DS1 Basic Channelization System

An arrangement that channelizes a 1.544 Mbps channel to a maximum of twenty-four 64.0 Kbps channels that may be used to activate both analog and digital services, e.g., voice grade, program audio<sup>(1)</sup>, and digital data access service. A DS1 Basic Channelization System requires a Central Office Channel Interface for each channel of lesser capacity. (N)

##### (5) DS0 Basic Channelization System

An arrangement that converts 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 Channel Interface for each channel of lesser capacity.

##### d. Channel Interface

##### (1) DS1 Level Central Office Channel Interface

An arrangement for the connection of DS1 (1.544 Mbps) channels to higher order DS3 (44.736 Mbps) services in Company central office locations.

##### (2) DS1 Level Customer Channel Interface

An arrangement for the connection of DS1 (1.544 Mbps) channels to higher order DS3 (44.736 Mbps) services at customer locations.

##### (3) DS0 Level Central Office Channel Interface

An arrangement for the connection of VG/DS0 (2.4 - 64.0 Kbps) channels to higher order DS1 (1.544 Mbps) services in Company central office locations.

##### (4) Subrate Level Central Office Channel Interface

An arrangement for the connection of subrate (2.4 - 9.6 Kbps) channels to higher order DS0 (64.0 Kbps) services in Company central office locations.

Note 1: Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021.

## E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

### E7.4 Rate Regulations

This section contains the specific regulations governing the rates and charges that apply for Special Access (a.k.a. BellSouth SPA) service.

#### E7.4.1 Types of Rates and Charges

- A. There are two types of rates and charges. These are monthly rates and nonrecurring charges. In addition, there are three types of nonrecurring charges. The rates and charges are described as follows:

1. Monthly Rates

Monthly rates are flat recurring charges that apply each month or fraction thereof that a Special Access (a.k.a. BellSouth SPA) service is provided. For billing purposes, each month is considered to have thirty days.

Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data) service is offered under two contract plans. Contract plan rates are available in payment periods from 24 to 42 months and in payment periods 43 to 72 months under conditions specified in the Channel Services Payment Plan (CSPP) in E2.4 of this Tariff.

A termination charge is applicable at the date of termination if the IC terminates or disconnects the service prior to fulfilling the period of the contract plan except as specified in b. and c. following. The termination charge is determined by multiplying the contracted monthly rates times the number of months the service has been installed, multiplied by a factor. The factor is fifty percent (50%) for contracts that have been in effect twelve months (12) or less, or twenty percent (20%) for contracts that have been in effect longer than twelve months (12). An example is provided in a. following.

The following list identifies the individual Special Access (a.k.a. BellSouth SPA) services provided under Section E7. of this Tariff which are eligible for credit of nonrecurring charges under "Service Installation Guarantee" found in E2.4.10 of this Tariff. Customers with these services are not eligible for the Service Installation Guarantee when the requested installation, move or rearrangement service order interval is four days or less as measured from the Application Date of the order.

- Voice Grade (a.k.a. BellSouth SPA DS0 VG)

- Program Audio<sup>(2)</sup>

- Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data) service<sup>(1)</sup>

- High Capacity (a.k.a. BellSouth SPA High Capacity) service

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

Provided, however, that the following services are not eligible for such credit.

- **BellSouth SPA CNM** - FlexServ service

- BellSouth Metro Ethernet service

- a. An IC subscribes to Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data) service using the 24 to 42 month payment plan. The contract plan period is for 30 months. The subscriber terminates the service after 12 months. The total liability is 30 months times the monthly rate. The amount is then reduced to reflect the number of months the subscriber has had the service, which in this example is 12 months. Therefore, the termination charge is fifty percent (50%) of this amount calculated as follows:

$$\text{Termination Charge} = .50 \times [(30 \text{ months} \times \text{monthly rate}) - (12 \text{ months} \times \text{monthly rate})]$$

- b. A termination charge will not be applicable at the date of termination if the IC terminates or disconnects the service prior to fulfilling the period of the contract plan for IC requested changes to a higher order of service covered by the CSPP as specified in E2.4.9.A.4.b. of this Tariff or IC requested changes to services not covered by the CSPP that are offered by the Company under a contract payment plan provided that the applicable conditions set forth in E2.4.9.A.4.b. of this Tariff are satisfied.
- c. Termination charges will not apply for IC requests for moves of service under CSPP subject to the provisions set forth in E2.4.9.A.10. preceding.

**Note 1:** The Data Over Voice Channel optional feature is not eligible for such credit.

**Note 2:** Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021.

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## E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

### E7.4 Rate Regulations (Cont'd)

#### E7.4.2 Surcharge for Special Access (a.k.a. BellSouth SPA) Service

##### A. General

In addition to the rates and charges described in E7.4.1 preceding, there is a monthly surcharge of \$25.00 that applies to the termination of Sub-Voice, Voice Grade (a.k.a. BellSouth SPA DS0 VG) and equivalent voice grade Special Access (a.k.a. BellSouth SPA) services (e.g., the surcharge for a group level service would be \$300.00 or 12 x \$25.00). For Narrowband, Voice Grade (a.k.a. BellSouth SPA DS0 VG) and Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data) multipoint services, the surcharge applies for each end user location on the service. This surcharge is to compensate the Company for use of the local exchange network by Special Access (a.k.a. BellSouth SPA) services that are classified as intrastate jurisdiction.

##### B. Exceptions to the Surcharge Application

Recognizing that not all services can utilize the local exchange network, certain uses of Special Access (a.k.a. BellSouth SPA) service are exempt from the surcharge. Following is a listing of the exempt categories:

1. Any termination of an analog service that is used for television or program audio<sup>(1)</sup> transmission. (N)
2. Any termination of a service that is used for Telex service.
3. Any termination of a service that by nature of its operating characteristics could not make use of common lines. The determination of such usage is made based upon the arrangement at the subscriber's end of the channel.
4. Any termination of a WATS (a.k.a. BellSouth SPA WATS Line) or BellSouth SWA 8XX Toll Free Dialing Ten Digit Screening Service access line.

##### C. Self Reporting

In order for the Company to determine the application of the surcharge with respect to specific services, the IC must report the intended use of all services when placing orders for Special Access (a.k.a. BellSouth SPA) service. In addition, when ordering high capacity analog or digital services, the IC must also report the use for each voice equivalent channel of the high capacity service. When any service or channel of a service is reported to be the used in any manner described in B. preceding, the surcharge will not apply. If the intended use is not reported, the Company will automatically bill the appropriate surcharge on each Special Access (a.k.a. BellSouth SPA) service installed.

The Company reserves the right to audit the use of the service at any time. If the service is found to be used for a type of operation other than that reported by the IC, and a surcharge would apply for that type of operation, the Company will notify the IC and will begin to apply the surcharge.

##### D. A Message Station Equipment Recovery Charge is a charge to recover that portion of message station equipment that is assigned to Special Access (a.k.a. BellSouth SPA) service.

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 E7.5.11.

#### E7.4.3 Minimum Periods

Special Access (a.k.a. BellSouth SPA) service is provided for a specified minimum period *as stated in E5.2.5*.

Minimum periods and minimum period charges are described in detail in *Section E5*. preceding.

#### E7.4.4 Moves

##### A. A move involves a change in the physical location of one of the following:

1. The point of interface at the IC terminal location
2. The IC terminal location
3. The network interface at the end user premises
4. The end user premises
5. The WATS (a.k.a. BellSouth SPA WATS Line) serving office (WATS Access Line (a.k.a. BellSouth SPA WATS Line) service only)

**Note 1:** Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021.

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**E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**

**E7.4 Rate Regulations (Cont'd)**

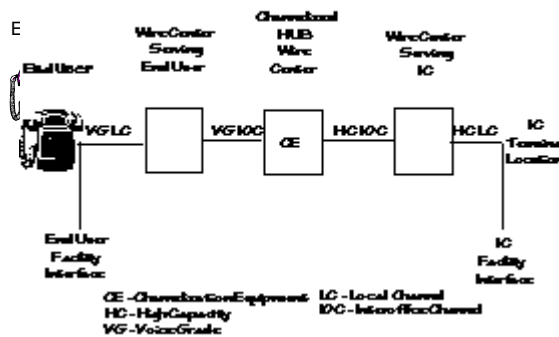
**E7.4.6 Mileage Measurement**

- A. The mileage to be used to determine the monthly rate for the Interoffice Channel is calculated on the airline distance between the serving wire centers involved (i.e., IC serving wire center, Hub serving wire center or end user serving wire center). The V and H coordinates method is used to determine mileage. This method is explained in Section E10. The serving wire center V and H coordinates are set forth in the Exchange Carrier Association Tariff F.C.C. No. 4.
- B. A flat rate and a rate per mile applies for interoffice mileage.
- C. When Hubs are involved, mileage rates are computed separately for each section of the Interoffice Channel Mileage, i.e., IC serving wire center to Hub, Hubs to Hub and/or Hubs to end user serving wire center. E7.4.7 Facility Hubs
- D. SMARTRing® service (a.k.a. BellSouth Dedicated Ring) Local Channel, Alternate Central Office Channel and Internodal Channel rates are also distance sensitive. They are measured per quarter airline mile or fraction thereof from the customer's designated premises to the Serving Wire Center, Alternate Central Office, or other Customer Nodes. V&H coordinates are derived for each customer location through the use of longitude and latitude measurements. Using the V&H coordinate method as set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF FCC. No. 4, compute the mileage, convert to quarter miles, and multiply the appropriate per quarter mile rate by the distance involved. Any portion of a quarter mile will always round up to the next quarter mile before determining the mileage and applying the rate.
- E. The SMARTRing® service (a.k.a. BellSouth Dedicated Ring) Interoffice Channel mileage is calculated per quarter airline mile between two directly connected central offices on the ring. Interoffice Channel mileage is computed by using the V&H coordinates method as set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF FCC. No. 4. To determine the rate to be billed, multiply the appropriate per quarter mile rate by the distance involved. Fractions of a quarter mile always round up to the next quarter mile before determining the mileage and applying the rate.

**E7.4.7 Facility Hubs**

- 1. An IC has the option of ordering high capacity analog or digital facilities (i.e., DS1, DS1C, DS2 or DS3) to a facility Hub for channelizing to individual services requiring lower capacity facilities (e.g., Voice (a.k.a. BellSouth SPA DS0 VG), Program Audio<sup>(1)</sup>, etc.).

**CHANNELIZED FACILITY HUB  
CHANNELIZED FACILITY HUB**



- 2. The Company will designate the facility Hub locations. Different locations may be designated as Hubs for different facility capacities, e.g., channelization from digital to digital may occur at one location while channelization from digital to analog may occur at a different location. The IC will choose the desired Hub from a list that the Company will make available.
- 3. Some of the types of channelization provided include the following:
  - From higher to lower bit rate
  - From higher to lower bandwidth
  - From digital to Voice Grade (a.k.a. BellSouth SPA DS0 VG) service
  - From digital to Program Audio<sup>(1)</sup> service

Note 1: Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021.

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**E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**

**E7.5 Rates and Charges (Cont'd)**

**E7.5.10 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd)**

C. Optional Features and Functions (Cont'd)

2. Channel Interfaces (Per Interface)

a. Sub-DS3 Interfaces

(1) DS1 Level Central Office Channel Interface<sup>1</sup>

	Month to Month	24 to 48 Months <sup>3</sup>	49 to 72 Months <sup>3,4</sup>	73 to 96 Months <sup>3,4</sup>	Nonrecurring Charge	USOC
(a) Asynchronous	\$12.00	\$8.00	\$7.00	\$6.00	\$155.00	1D3CA
(b) Synchronous	36.00	31.00	28.00	25.00	130.00	1D3CS
(2) DS1 Level Customer Channel Interface <sup>1</sup>						
(a) Asynchronous	17.00	13.00	13.00	13.00	305.00	1D3DA
(b) Synchronous	45.00	36.00	33.00	30.00	250.00	1D3DS

b. Sub-DS1 Interfaces

(1) VG/DS0 Level Central Office Channel Interface

	First	Additional	Nonrecurring Monthly Rate	USOC	
(a) <i>BellSouth SWA</i>	\$0.00	\$0.00	\$0.00	1D1SW	
(b) <i>Metallic (a.k.a. BellSouth SPA Metallic)</i>	7.00	6.00	16.00	1D1ME	
(c) <i>Telegraph (a.k.a. BellSouth SPA Telegraph)</i>	7.00	6.00	5.00	1D1TE	
(d) <i>Voice Grade (a.k.a. BellSouth SPA DS0 VG)</i>	7.00	6.00	6.50	1D1VG	
(e) <i>WATS Access Line (a.k.a. BellSouth SPA WATS Line)</i>	7.00	6.00	6.50	1D1WT	
(f) <i>Program Audio<sup>(5)</sup> - Monthly</i>	7.00	6.00	37.00	1D1PA	(N)
(g) <i>Program Audio<sup>(5)</sup> - Daily</i>	7.00	6.00	4.00	1D1PA	(N)
(h) <i>DDAS (a.k.a. BellSouth SPA DS0 Digital Data)</i>	7.00	6.00	13.00	1D1DD	

c. Sub-DS0 Level Interfaces

(1) Subrate Level Central Office Channel Interface

(a) Subrate (2.4, 4.8, & 9.6 Kbps)	7.00	6.00	13.00	1DOSR
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3.

4. Clear Channel Capability is furnished on a per DS1 Service Channel basis

Per Point-to-Point DS1/1.544 Mbps High Capacity optioned as:

(a) Superframe Format (SF)	-	-	615.00	CCOSF
(b) Extended Superframe Format (ESF)	-	-	615.00	CCOEF

**Note 1:** Contract lengths are flexible to allow customer choice of payment period per E2.4.9.

**Note 2:** An additional Local Channel charge will apply whenever the spare line is provided as a leg to the end user premises.

**Note 3:** Effective December 10, 2013, Customers may not establish new term plans greater than 36 months for High Capacity Service and term plans may not be renewed for a term greater than 36 months.

**Note 4:** Effective March 25, 2019, Customers may not convert or renew CSPPs for High Capacity Service.

**Note 5:** Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021.

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