

**TARIFF DISTRIBUTION**

FILE PACKAGE NO.: NC-21-0026

DATE: August 17, 2021

STATE: NORTH CAROLINA

EFFECTIVE DATE: 06/30/2021

TYPE OF DISTRIBUTION: Approved

PURPOSE: Grandfather Metallic, Telegraph, Voice Grade, WATS, Digital Link,  
and Derived Data Services effective 6/30/21 with targeted sunset  
date 6/30/24.

<b><u>TARIFF SECTION</u></b>	<b><u>PAGE NUMBER</u></b>	<b><u>PAGE REVISION</u></b>
K007	1	0003
K007	3	0002
K007	4	0001
K007	5	0001
K007	5.1	0001
K007	6	0001
K007	8	0001
K007	9	0001
K007	10	0001
K007	11	0001
K007	12	0001
K007	13	0002
K007	14	0001
K007	15	0002
K007	16	0001
K007	18	0001
K007	19	0001
K007	19.1	0003
K007	19.2	0002
K007	19.3	0002
K007	19.5	0003
K007	22.1	0001
K007	23.4	0001
K007	24	0001
K007	25	0001
K007	27	0001
K007	28	0003
K007	29	0001
K007	30	0003

K007	31	0002
K007	32	0002
K007	33	0002
K007	34	0001
K007	34.1	0001
K007	40	0002
K007	43	0001
K007	44	0001
K007	45	0001
K007	46	0002
K007	47	0001
K007	48	0003
K007	49	0003
K007	50	0001
K007	51	0004
K007	53	0001
K007	54	0005
K007	57	0001
K007	58	0004

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

### E7.1 General

Special Access (a.k.a. BellSouth SPA) service provides a transmission path to directly connect an IC terminal location in a LATA to the end user's premises, 1 two IC terminal locations, an IC terminal location and a HUB, or an end user premises and a WATS or WATS like serving office.<sup>2</sup> When special access connects an end user's interLATA private network switching function and an IC terminal location, such access may be ordered by and billed to the end user or IC. Special Access (a.k.a. BellSouth SPA) service includes all exchange access not utilizing Company end office switches. This type of Access Service is used, for example, by IC's for the provision of private line service.

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. The specific types of services (e.g., Narrowband, Voice Grade<sup>3</sup> (a.k.a. BellSouth SPA DS0 VG), Wideband Digital) provided under Special Access (a.k.a. BellSouth SPA) service are described in E7.2 following.

(C)

#### E7.1.1 Rate Categories

There are *five* rate categories which apply to Special Access (a.k.a. BellSouth SPA) service:

- Local Channels (described in A. following)
- Interoffice Channel (described in B. following)
- Optional Features and Functions (described in C. following)
- SMARTRing<sup>®</sup> service (a.k.a. BellSouth Dedicated Ring) (described in D. following)

##### A. Local Channel

The Local Channel rate category provides for the communications path between the demarcation point at an IC or end user 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 E7.2.1.B. following. One Local Channel charge applies per designated premises at which the channel is terminated. This charge will apply even if the premises and the serving wire center are co-located in a Company building. The channels used to provide Special Access (a.k.a. BellSouth SPA) services are further defined in D. following.

##### B. Interoffice Channel

The Interoffice Channel rate category provides for the transmission facilities between the serving wire centers associated with two designated premises, between a serving wire center associated with a designated premises and a Company Hub or between two Company Hubs. Interoffice Channel is portrayed in mileage bands. There are two rates that apply for each band, i.e., a flat rate per band and a rate per mile.

**Note 1:** Company Centrex Type Services switches which provide ETN services to end users are considered to be the end user's premises for purposes of administering regulations and rates for special access services connecting the ETN switches and other premises of the end user.

**Note 2:** The Special Access (a.k.a. BellSouth SPA) service used to provide the connection between an end user premises and a WATS serving office is only for use with BellSouth SWA FGD.

**Note 3:** Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)

(N)

## E7. SPECIAL ACCESS (A.K.A. BELLSOUTH 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<sup>2</sup> (a.k.a. BellSouth SPA Metallic) service in this Tariff, there is no restriction against doing so. (C)

Following is a brief description of each type of channel:

Metallic<sup>2</sup> (a.k.a. BellSouth SPA Metallic) - a channel for the transmission of low speed varying signals at rates up to 30 baud. (C)

Telegraph Grade<sup>2</sup> (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. (C)

Voice Grade<sup>2</sup> (a.k.a. BellSouth SPA DS0 VG) - a channel for the transmission of analog signals within an approximate bandwidth of 300-3000 Hz. (C)

WATS Access Line<sup>2</sup> (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. (C)

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.

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<sup>2</sup> (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. (C)

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<sup>2</sup> (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. (C)

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.

**Note 2:** Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)  
|  
(N)

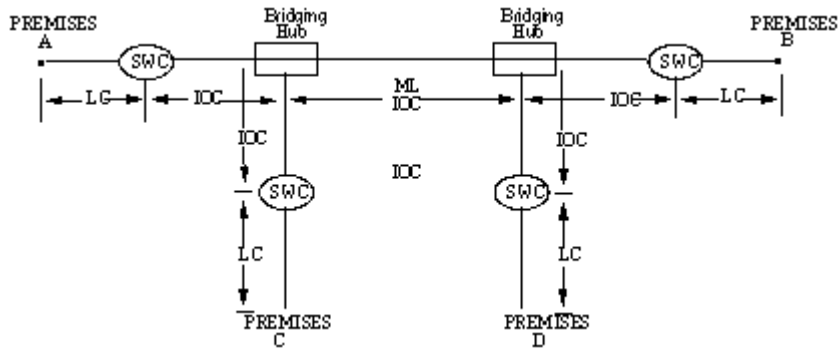
**E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**

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

**E7.1.4 Service Configurations (Cont'd)**

- B. Multipoint Service (Cont'd)
  - 3. Multipoint service is provided in the following manner: (Cont'd)
    - c. Service will be priced as provided. (Cont'd)

Example: Voice Grade<sup>1</sup> (*a.k.a. BellSouth SPA DS0 VG*) multipoint connecting four customer premises via two customer specified bridging hubs. (C)



LC - Local Channel  
 IOC - Interoffice Channel  
 B - Bridging  
 SWC - Serving Wire Center

Applicable rate elements are:

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

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)  
 |  
 (N)

---

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

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

#### E7.1.5 Alternate Use

Alternate Use occurs when an IC uses a service for different types of transmission at different times. The IC may transfer from one type of operation to another at will, but only one type of transmission can be used at a time.

The Company will review each request for alternate use on an individual case basis. If it agrees to allow the alternate use, 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 E12., Specialized Service or Arrangements. The IC will pay the stated tariff rates for the Access Service rate elements ordered (i.e., Local Channel and Interoffice Channel.)

#### E7.1.6 Special Facilities Routing

An IC may request that the facilities used to provide Special Access (a.k.a. BellSouth SPA) service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable Only) are as set forth in Section E11. following.

#### E7.1.7 Design Layout Report

- A. Where the Company normally designs facilities and services, the Company will provide to the IC the make-up of such facilities and services provided under this Tariff as Special Access (a.k.a. BellSouth SPA) to aid the IC in designing its overall service. This information will be provided in the form of a Design Layout Report.
- B. The Design Layout Report will be provided to the IC at no charge.

#### E7.1.8 Acceptance Testing

- A. At no additional charge, the Company will, at the IC's request, cooperatively test, at the time of installation, the following parameters:
  1. For Voice Grade<sup>1</sup> (VG) (a.k.a. BellSouth SPA DS0 VG) services 1, 2, 3, 6, 7, 8, 9, 10, 11 and 12 (C)
    - a. Loss
    - b. Three-tone slope
    - c. D.C. continuity
    - d. Operational Signaling
    - e. Balance (equal level echo path loss) when the Access Connection provides a four-wire voice transmission interface and the network interface provides two-wire voice transmission (i.e., there is a four-wire to two-wire conversion in Special Transport).
  2. Additionally, for Voice Grade<sup>1</sup> (VG) (a.k.a. BellSouth SPA DS0 VG) services 6, 7, 8, 9, 10, 11 and 12 (C)
    - a. C-notched noise tests.
  3. All other services will be tested to the performance parameters specified for the individual services.
- B. If acceptance tests are not started within 30 minutes after the scheduled appointment time for such tests, as negotiated between the Company and the IC, additional charges may apply, as set forth in Section E13. following.

#### E7.1.9 Ordering Options and Conditions

- A. The ordering option available to an IC in the provision of Special Access (a.k.a. BellSouth SPA) service is an Access Order.
- B. This option is set forth in detail in Section E5. preceding, as are the conditions under which the option may be elected. Cancellation charges associated with this option are also included in Section E5. preceding.
- C. Terms and conditions for central office interconnection of collocator-provided transmission equipment are set forth in BellSouth Telecommunications, Inc., Tariff F.C.C. No. 1, Section 20. Virtual Collocation Cross-Connect rates and charges are provided in E7.5 following for each service allowed under collocation guidelines.

#### E7.1.10 Reserved For Future Use

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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

### E7.2 Service Descriptions for Special Access (a.k.a. BellSouth SPA) Service

#### E7.2.1 Special Access (a.k.a. BellSouth SPA) Service Categories

For the purpose of ordering, there are seven categories of Special Access (a.k.a. BellSouth SPA) service. These are:

- Voice Grade<sup>1</sup> (a.k.a. BellSouth SPA DS0 VG) (VG) (C)
- Commercial Quality Video (a.k.a. BellSouth SPA Commercial Quality Video) (TV)
- Digital Data<sup>1</sup> (a.k.a. BellSouth SPA DS0 Digital Data) (DA) (C)
- High Capacity (a.k.a. BellSouth SPA High Capacity) (HC)
- WATS Access Line<sup>1</sup> (a.k.a. BellSouth SPA WATS Line) (WAL) (C)
- Derived Data Channel<sup>1</sup> (a.k.a. BellSouth SPA Derived Data Channel) service (DDCS) (C)
- Self-Healing Rings (SMARTRing service {a.k.a. BellSouth Dedicated Ring})

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. Each of the components of the service are described in this section. ***Terms, conditions, and rates for Physical Access Collocation Cross-Connects and Virtual Access Collocation Cross-Connects are set forth in Section E13. of this Tariff for those services that are permitted to connect directly to a carrier's collocation space.***

The channel description specifies the characteristics of the basic channel and indicates whether the channel is provided between designated premises or between a designated premises and a 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 (a.k.a. BellSouth SPA) service to which the parameters are applicable. These two-letter codes are shown preceding in parentheses following the category of Special Access (a.k.a. BellSouth SPA) service. A 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.

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. These are set forth in a combination format. (T)  
(T)

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 E7.2.

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.

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)  
|  
(N)

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

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

**E7.2.1 Special Access (a.k.a. BellSouth SPA) Service Categories (Cont'd)**

All services installed will conform to the transmission specification standards contained in this Tariff or in the following Technical References for such category of service:

<b>(DELETED)</b>			
<b>(DELETED)</b>			
Voice Grade <sup>1</sup> (a.k.a. BellSouth SPA DS0 VG)		TR-NPL-000335	(C)
<b>(DELETED)</b>			
Digital Data Access <sup>1</sup> (a.k.a. BellSouth SPA DS0 Digital Data)		TR-NPL-000341	(C)
For 2.4, 4.8, 9.6 and 56.0 Kbps		BellCore PUB 62310	
For 19.2 Kbps		INC. BULLETIN CB-INC-100	
For 64.0 Kbps		AT&T PUB 62310	
High Capacity (a.k.a. BellSouth SPA High Capacity)		TA-TSY-000342	
WATS Access Line <sup>1</sup> (a.k.a. BellSouth SPA WATS Line)		TR-NPL-000054	(C)
Commercial Quality Video (a.k.a. BellSouth SPA Commercial Quality Video)		BellSouth TR-73557	
Derived Data Channel <sup>1</sup> (a.k.a. BellSouth SPA Derived Data Channel Service)		BellSouth TR-73548 BellSouth TR-73548, Addendum 1	(C)

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.



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

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

**E7.2.1 Special Access (a.k.a. BellSouth SPA) Service Categories (Cont'd)**

**B. Voice Grade<sup>1</sup> (a.k.a. BellSouth SPA DS0 VG) Services**

(C)

1. Basic Channel Description

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

Voice Grade (a.k.a. BellSouth SPA DS0 VG) channels are classified as Voice Grade/Voice or Voice Grade/Data depending on the suitability of the technical specification package requested by the IC. Voice Grade (a.k.a. BellSouth SPA DS0 VG) technical specification packages 1, 2, 3, 4, 5, 7, 8, 9, 11 and 12 are suitable for Voice Grade/Voice. Technical specification packages 6 and 10 are suitable for Voice Grade/Data service.

2. 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	X
Loss Deviation	X	X	X	X	X	X	X	X	X	X	X	X
Phase Jitter						X	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 are delineated in Technical Reference TR-NPL-000335 and associated Addendum.

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)  
|  
(N)

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

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

#### E7.2.1 Special Access (a.k.a. BellSouth SPA) Service Categories (Cont'd)

- B.** Voice Grade<sup>3</sup> (a.k.a. BellSouth SPA DS0 VG) Services (Cont'd) (C)
3. Channel Interfaces
    - a. The following channel interfaces for Voice Grade (a.k.a. BellSouth SPA DS0 VG) service do not require signaling capability: AH, DA, DB, DD, DE, DS, NO, PR and TF.
    - b. The following channel interfaces for Voice Grade (a.k.a. BellSouth SPA DS0 VG) service require signaling capability: AB, AC, CT, DX, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, RV and SF.
    - c. Compatible channel interfaces are set forth in Technical Reference TR-NPL-A and Associated Addendum.
  4. Optional Features and Functions
    - a. Central Office Bridging Capability
      - Voice Bridging<sup>1</sup> (two-wire and four-wire)
      - Data Bridging<sup>2</sup> (two-wire and four-wire)
      - Telephoto Bridging (two-wire and four-wire)
      - (DELETED)**
      - (DELETED)**
      - (DELETED)**
      - (DELETED)**
      - (DELETED)**
    - b. Central Office Channelization
 

Voice (a.k.a. BellSouth SPA DS0 VG) to Telegraph Grade<sup>3</sup> (a.k.a. BellSouth SPA Telegraph): An arrangement that converts a Voice Grade (a.k.a. BellSouth SPA DS0 VG) channel to Telegraph Grade<sup>3</sup> (a.k.a. BellSouth SPA Telegraph) channels. (C)
    - c. Conditioning
 

Conditioning provides more specific transmission characteristics for Voice Grade (a.k.a. BellSouth SPA DS0 VG) services. C-Type conditioning controls attenuation distortion and envelope delay distortion. Sealing Current helps maintain continuity on dry metallic<sup>3</sup> loops. (C)

In addition, an IC 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 IC has the option of ordering Improved Attenuation Distortion and/or Improved Envelope Delay Distortion.

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.

**Note 1:** Voice Bridging is intended for use with VG2, 5, 11 and 12, however, it may be used on VG6 and VG10 at a customer's request.

**Note 2:** Data Bridging is intended for use with VG6 and VG10, however, it may be used on VG2, 5, 11 and 12 at a customer's request.

**Note 3:** Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)

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

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

#### E7.2.1 Special Access (*a.k.a. BellSouth SPA*) Service Categories (Cont'd)

B. Voice Grade<sup>1</sup> (*a.k.a. BellSouth SPA DS0 VG*) Services (Cont'd) (C)

4. Optional Features and Functions (Cont'd)

c. Conditioning (Cont'd)

- 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

Frequency Range (Hz)	Variation (dB)
504 - 2804	-1.0 to + 3.0
304 - 3004	- 2.0 to + 6.0

Envelope Delay Distortion

Frequency Range (Hz)	Variation (micro-seconds)
1004 - 2604	Less Than 501
604 - 2604	Less Than 1501
504 - 2804	Less Than 3001

- Improved Attenuation Distortion

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

Attenuation Distortion (Frequency Response) Relative to 1004 Hz

Frequency Range (Hz)	Variation (dB)
404-2804	-1.0 to +2.0
304-3004	-1.0 to +3.0
3004-3204	-2.0 to +6.0

- Improved Envelope Delay Distortion

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

Envelope Delay Distortion

Frequency Range (Hz)	Variation (micro-seconds)
1001-2604	Less Than 101
604-2604	Less Than 301
504-2804	Less Than 3001

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)  
|  
(N)

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

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

#### E7.2.1 Special Access (a.k.a. BellSouth SPA) Service Categories (Cont'd)

**B. Voice Grade<sup>1</sup> (a.k.a. BellSouth SPA DS0 VG) Services (Cont'd)** (C)

4. Optional Features and Functions (Cont'd)

c. Conditioning (Cont'd)

- Sealing Current Conditioning

Sealing Current Conditioning is provided to help maintain continuity on dry metallic<sup>1</sup> loops. It is usually associated with four-wire DA or NO type channel interfaces. (C)

d. Customer Specified Premises Receive Level

This option allows the IC to specify the receive level at the Point of Termination *for a two or four wire interface at the IC's premises. For a two-wire interface, the IC 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 IC can order improved termination for a wider range of receive levels.* The ranges are delineated in Technical Reference TR-NPL-000335.

e. Echo Control

(1) Improved Return Loss

On Effective Two-Wire Transmission at Two-Wire Point of Termination: 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 Company equipment may be required at the customer's end user with the two-wire POT. The Improved Return Loss parameters are delineated in Technical Reference TR-NPL-000335.

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

Specified at the Four-Wire Point of Termination and provides for more stringent Echo Control. In order for this option to be applicable, the interface must be two-wire at one Point of Termination (POT) and four-wire at the other POT. The ELEPL 2 parameters are delineated in Technical Reference TR-NPL-000335.

f. D-Conditioning

D-Conditioning provides transmission characteristics suitable for data communications. Specifically, D-Conditioning provides for the control of Signal to C-Notched Noise Ratio and intermodulation distortion. It is available for two-point services or multipoint services. This option is available for use with Technical Specification Packages VG6, VG7 and VG10 on Two-Point or Multipoint Services. (However, it is not recommended for use with Multipoint.

D-Conditioning transmission characteristics are described in Technical Reference TR-NPL-000335 under the name Data Capability.

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

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)  
|  
(N)

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

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

#### E7.2.1 Special Access (*a.k.a. BellSouth SPA*) Service Categories (Cont'd)

B. Voice Grade<sup>1</sup> (*a.k.a. BellSouth SPA DS0 VG*) Services (Cont'd) (C)

4. Optional Features and Functions (Cont'd)

f. D-Conditioning (Cont'd)

When a service equipped with D-Conditioning and is used for voice communications, the quality of the voice transmission may not be satisfactory.

g. Telephoto Conditioning

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

**Attenuation Distortion**

(2204 Hz Reference)

**Frequency      Variation**

**Range (Hz)      (dB)**

304 - 3204      - 1.0 to + 2.5

504 - 3004      - 0.5 to + 1.5

**Envelope Delay Distortion**

**Frequency      Variation**

**Range (Hz)      (mcs)**

1004 - 2604      Less Than 111

804 - 2804      Less Than 181

h. Signaling Capability

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

i. Selective Signaling Arrangement

An arrangement that permits code selective ringing for up to ten codes on a multipoint service.

j. Transfer Arrangement

An arrangement that affords the 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 another channel that terminates in either the same or a different premises. A key activated or dial-up control service is required to operate the transfer arrangement. A spare channel, if required, is not included as part of the option.

k. Improved Termination

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

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)  
|  
(N)

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

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

**E7.2.1 Special Access (a.k.a. BellSouth SPA) Service Categories (Cont'd)**

B. Voice Grade<sup>1</sup> (a.k.a. BellSouth SPA DS0 VG) Services (Cont'd)

(C)

4. Optional Features and Functions (Cont'd)

l. Simplex Reversal

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

m. **BellSouth SPA Customer Network Management (CNM)** - FlexServ service

**BellSouth SPA CNM** - FlexServ service provides the customer the ability to monitor and reconfigure Voice Grade (a.k.a. BellSouth SPA DS0 VG) service provided by the Company. **BellSouth SPA CNM** - FlexServ service is described in E7.4.12 following. Charges for this feature are contained in E7.5.16 following.

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

	Available with Technical Specifications Package VG-											
	1	2	3	4	5	6	7	8	9	10	11	12
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		
D-Conditioning						X	X			X		
Central Office												
Bridging		X			X	X				X	X	X
Central Office												
Multiplexing						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					
<b>BellSouth SPA CNM</b> - FlexServ Service	X	X	X	X	X	X	X	X	X	X	X	X
Improved Termination	X	X	X	X	X	X	X	X	X	X	X	X
Simplex Reversal	X	X	X				X	X	X			
Selective Signaling												
Arrangement		X										

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)  
|  
(N)

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

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

**E7.2.1 Special Access (a.k.a. BellSouth SPA) Service Categories (Cont'd)**

B. Voice Grade<sup>1</sup> (a.k.a. BellSouth SPA DS0 VG) Services (Cont'd)

(C)

4. Optional Features and Functions (Cont'd)

	Available with Technical Specifications Package VG-											
	1	2	3	4	5	6	7	8	9	10	11	12
Signaling Capability	X	X	X				X	X	X			
Telephoto												
Conditioning										X		
Transfer Arrangement	X	X	X	X	X	X	X	X	X	X	X	X

5. Four-Wire/Two-Wire Conversions

(T)

When it is requested that an effective four-wire channel be terminated with a two-wire channel interface, 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.

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)

(N)

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

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

**E7.2.1 Special Access (a.k.a. BellSouth SPA) Service Categories (Cont'd)**

B. Voice Grade<sup>1</sup> (a.k.a. BellSouth SPA DS0 VG) Services (Cont'd) (C)

6. WATS Access Line<sup>1</sup> (WAL) (a.k.a. BellSouth SPA WATS Line) service (C)

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, WATS (a.k.a. BellSouth SPA WATS Line) or similar services. It is provided for use with Feature Group D in the originating and terminating direction and BellSouth SWA FGA and BellSouth SWA FGB in the terminating direction and BellSouth SWA arrangement features as set forth in Section 6 of Tariff FCC No. 1. The Company is currently unable to provide originating WATS (a.k.a. BellSouth SPA WATS Line) service through BellSouth SWA FGA and BellSouth SWA FGB. Such service will be provided as specified in (2) and (3) following.

The following shall apply to the Company's provision of WATS Access Line (a.k.a. BellSouth SPA WATS Line) service:

- (1) When the end user's serving wire center is not a WATS serving office, Interoffice Channel charges will apply for a WATS (a.k.a. BellSouth SPA WATS Line) access line extension (WALE) between the end user's serving wire center and the nearest WATS serving office.
- (2) When a IC, other than AT&T, orders originating WATS Access Line (a.k.a. BellSouth SPA WATS Line) service and the end user's serving wire center is a WATS serving office which is not equipped with equal access, the Company will provide the WAL service to the nearest equal access WATS serving office by use of a WALE and the interoffice channel charges for the WALE will be waived.
- (3) When a IC other than AT&T orders originating WATS Access Line (a.k.a. BellSouth SPA WATS Line) service and the end user's serving wire center is not a WATS serving office and the nearest WATS serving office is not equipped with equal access, interoffice channel charges for a WALE to the nearest WATS serving office will apply, as indicated in (1) preceding, but the Company will provide an additional WALE to the nearest WATS serving office equipped with equal access and the interoffice channel charge for the additional WALE will be waived.

WATS Access Line (a.k.a. BellSouth SPA WATS Line) service is arranged for either originating calling or terminating 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 IC and subject to the technical limitations identified in the Technical Reference TR-NPL-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).

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)  
|  
(N)



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

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

#### E7.2.1 Special Access (*a.k.a. BellSouth SPA*) Service Categories (Cont'd)

- B. Voice Grade<sup>1</sup> (*a.k.a. BellSouth SPA DS0 VG*) Services (Cont'd) (C)
- 6. WATS Access Line<sup>1</sup> (WAL) (*a.k.a. BellSouth SPA WATS Line*) service (Cont'd) (C)
  - b. Technical Specification Packages

Parameters	Package 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-NPL-000334.

- c. The following interfaces are available with WAL Service:
  - LO, LS, DS, GO, GS, RV, EA, EB
  - Compatible channel interfaces are set forth in Technical Reference TR-NPL-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 options associated with WAL 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 E6, preceding.
  - (4) One-way or Two-way Capability

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)

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

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

#### **E7.2.1 Special Access (a.k.a. BellSouth SPA) Service Categories (Cont'd)**

##### **C. (DELETED) (Cont'd)**

#### **E7.2.2 Digital Services**

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

(C)

###### **1. Basic Channel Description**

- a. A Digital Data (a.k.a. BellSouth SPA DS0 Digital Data) channel is a channel for 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. The actual bit rate is a function of the channel interface and channel selected by the IC. The channel provides a synchronous service with timing provided by the Company through the Company's facilities to the IC in the received bit stream. Digital Data (a.k.a. BellSouth SPA DS0 Digital Data) channels are only available via Company designated Digital Data (a.k.a. BellSouth SPA DS0 Digital Data) Hubs and are provided between IC designated premises or between an end user designated premises and a Company Digital Data (a.k.a. BellSouth SPA DS0 Digital Data) Hub.
- b. A Hub termination charge applies per Digital Local Channel. This rate element covers the Hub functions (e.g., timing, testing) for the service.
- c. 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 IC to perform network management functions during the normal operation of the network. This diagnostics channel utilizes a portion of an IC'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 end user equipment is necessary to utilize the benefits of the Secondary Channel. End users not wishing to utilize this capability will not be impacted. Due to transmission equipment restrictions, Secondary Channel capability cannot be provided on 56.0 Kbps circuits that require the installation of loop repeater equipment for provision of service. Secondary Channel capability, also, cannot be provided on 64.0 Kbps circuits, since all the available bit stream will be used by the customer.
- d. The end user will provide the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the Digital Data (a.k.a. BellSouth SPA DS0 Digital Data) channel at the end user premises. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)

(N)

## 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)

- A. Digital Data Access<sup>3</sup> (*a.k.a. BellSouth SPA DS0 Digital Data*) service (Cont'd) (C)
- 2. Technical Specifications Packages

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

The Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875 percent error-free seconds<sup>1</sup> 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 PUB 62310.

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

- 3. Channel Interfaces

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

CI	Bit Rate
DU-24(S) <sup>2</sup>	2.4 Kbps
DU-48(S) <sup>2</sup>	4.8 Kbps
DU-96(S) <sup>2</sup>	9.6 Kbps
DU-19(S) <sup>2</sup>	19.2 Kbps
DU-56(S) <sup>2</sup>	56.0 Kbps
DU-64	64.0 Kbps

Compatible channel interfaces are set forth in Technical Reference TR-NPL-000341.

**Note 1:** This channel performance does not apply when the Data Over Voice Channel option is used in lieu of a DDAS (*a.k.a. BellSouth SPA DS0 Digital Data*) Local Channel.

**Note 2:** (S) is an additional BellSouth designation for use when the optional Secondary Channel feature is required.

**Note 3:** Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)  
|  
(N)

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

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

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

- A. Digital Data Access<sup>1</sup> (a.k.a. BellSouth SPA DS0 Digital Data) service (Cont'd) (C)
- 4. Optional Features and Functions
  - a. Central Office Bridging Capability
  - b. **BellSouth SPA Customer Network Management (CNM)** - FlexServ service  
**BellSouth SPA CNM** - FlexServ service provides the IC the ability to monitor and reconfigure Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data) service (DDAS) provided by the Company. **BellSouth SPA CNM** - FlexServ service is described in E7.4.12 following. Charges for this feature are contained in E7.5.16 following.
  - c.

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

	Available with Technical Specifications Package DA-					
	1	2	3	4	5	6
Central Office Bridging Capability	X	X	X	X	X	
<b>BellSouth SPA CNM</b> - FlexServ Service	X	X	X	X	X	X
Secondary Channel Capability	X	X	X	X	X	

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)  
|  
(N)

## 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

1. Basic Channel Description

- a. A High Capacity (*a.k.a. BellSouth SPA High Capacity*) channel is a channel for the transmission of nominal 64.0 Kbps<sup>1, 2</sup> or 1.544, 3.152, 6.312 or 44.736 Mbps isochronous serial data. The actual bit rate is a function of the channel interface selected. High Capacity (*a.k.a. BellSouth SPA High Capacity*) channels are provided between designated premises or between a customer designated premises and a Company Hub. (C)
- b. The customer may provide the Network Channel Terminating Equipment associated with the High Capacity (*a.k.a. BellSouth SPA High Capacity*) channel at the customer's premises. The interim program for interconnection of such equipment is set forth in Technical Reference TR-NPL-000054.

2. Technical Specifications Packages

Parameters	Package HC-				
	0	1	1C	2	3
Error-Free Seconds		X			

- a. A channel with technical specifications package HC1 will be capable of an error-free second performance of 98.75 percent over a continuous 24 hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed to conform with the interconnection specifications contained in Technical Reference TR-NPL-000054.
- b. Further technical specifications are delineated in Technical Reference TA-TSY-000342.

3. Channel Interfaces

- a. 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 <sup>2</sup>	1.544Mbps (DS1)
DS-31	3.152 Mbps (DS1C)
DS-44	44.736 Mbps(DS3)
DS-63	6.312 Mbps (DS2)

- b. Compatible channel interfaces are set forth in Technical Reference TA-TSY-000342

4. Optional Features and Functions

- a.

b. 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 or dial up control service is required to operate the transfer arrangement. A spare channel, if required, is not included as part of the option.

Note 1: Available only as a cross connect (through connection) of two 2.4, 4.8, 9.6, 19.2, 56.0 or 64.0 Kbps channels of two 1.544 Mbps facilities to a Digital Data Hub(s). The IC must provide system and channel assignment data.

Note 2: Effective June 30, 2021, 64.0 Kbps will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)  
|  
(N)

## 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.

###### (5) DS0 Basic Channelization System<sup>2</sup>

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.

(C)

##### 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<sup>2</sup>

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.

(C)

###### (4) Subrate Level Central Office Channel Interface<sup>2</sup>

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.

(C)

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.

Note 2: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)

(N)

## 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)

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

4. 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 HC-				
	0	1	1C	2	3
Channelization					
DS3 to DS1				X	
DS1C to DS1			X		
DS1 Basic Channelization System		X			
DS0 Basic Channelization System <sup>1, 2</sup>		X			
Transfer Arrangement			X		
Clear Channel Capability			X		
<i>BellSouth SPA CNM</i> - FlexServ Service	X	X			

Note 1: Available only on a 64.0 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 Company Hub.

Note 2: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(C)

(N)

(N)

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

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

#### E7.2.14 (DELETED) (Cont'd)

#### E7.2.15 Derived Data Channel<sup>1</sup> (a.k.a. BellSouth SPA Derived Data Channel) Service (DDCS) (C)

##### A. Basic Service Description

Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) service 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 at 2.4 Kbps over an end user's existing two-wire local exchange facility.

The central office data/voice terminating equipment provides subrate multiplexing into a standard DS0-B interface for a group composed of a maximum of twenty Derived Data Channels (a.k.a. BellSouth SPA Derived Data Channel). The Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) must be associated with a DS0-B Interface. An Interoffice Channel is required for interconnection of the subrate multiplexed DS0-B Interface to the IC's serving wire center when the end user's serving wire center and the IC's serving wire center are not the same. A four-wire Special Access digital facility is required to connect the DS0-B Interface to the IC's premises.

Customer Premises Equipment (CPE), provided by the end user, is required for DDCS (a.k.a. BellSouth SPA Derived Data Channel) and must be compatible with Company-provided terminating equipment at the central office.

DDCS (a.k.a. BellSouth SPA Derived Data Channel) 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.

##### B. Channel Interfaces

The following Channel Interface (CI) defines the bit rate that is available with DDCS (a.k.a. BellSouth SPA Derived Data Channel).

CI	Bit Rate
2DV5.BA	2.4 Kbps, Derived Data Channel

Compatible channel interface specifications are contained in BellSouth Technical Reference Publication 73548 for data/voice multiplexing equipment and BellSouth Technical Reference Publication 73548, Addendum 1, for the DS0-B Interface. These publications are available from the Information Exchange Manager, BellSouth Telecommunications, Inc., Regional Documentations Coordinator, 20th Floor, 600, North 19th Street, Birmingham, Alabama 35203.

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)  
|  
(N)



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

### E7.3 Facility Interface Codes

This section explains the facility interface codes set forth in E7.2.1 and E7.2.2 preceding that the IC can specify when ordering Special Access (a.k.a. BellSouth SPA) service. Included is an example which explains the specific characters of the code, a glossary of facility interface codes and impedance levels.

Example: If the IC specifies a 2DC8-3 facility interface at the IC terminal location, it is requesting the following:

- 2 .....Number of Physical wires at IC terminal location
- DC.....Facility interface code for direct current or voltage
- 8 .....Impedance
- 3 .....Metallic<sup>1</sup> facilities (DC continuity) for DC/low frequency control signals or slow speed data (30 baud) (C)

#### E7.3.1 Glossary of Facility Interface Codes and Options

Code - Option	Definition	
AB	Accepts 20 Hz ringing signal at IC terminal location	
AC	Accepts 20 Hz ringing signal at the end user's premises	
CS -	Digital hierarchy interface at Digital Cross connect System (DCS)	
- EA	E&M Signaling	
- GO	Ground Start Loop Signaling - Open End	
- GS	Ground Start Loop Signaling - Closed End	
- LO	Loop Start Loop Signaling - Open End	
- LS	Loop Start Loop Signaling - Closed End	
- NO	Transmission Only - No Signaling	
- R	(DS0) Customer Reconfiguration Voice Grade Service <sup>1</sup>	(C)
- 10R	DS1 to DS0 Customer Reconfigurable <sup>1</sup>	
- 10	DS1 to DS0 <sup>1</sup>	(C)
- 11R	DS1 to DS1 Customer Reconfigurable	
- 11	DS1 to DS1	
- SP	Resistive Type: Split Path Operation for Data Polling Conference Type	
- CF	Resistive Type: Split Path Operation for Symmetrical Voice Conference Type	
- BC	CO Bridging: Broadcast for Broadcast Conference Type	
DA	Data stream in VF frequency band at end user network interface	
DB	Data stream in VF frequency band at IC point of interface location	

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)  
|  
(N)

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

### E7.3 Facility Interface Codes (Cont'd)

#### E7.3.1 Glossary of Facility Interface Codes and Options (Cont'd)

Code - Option	Definition
- 10	VF for NB4 and NB5
DC	Direct current or voltage
- 1	Monitoring interface with series RC combination (McCulloh format)
- 2	Company Energized alarm channel
- 3	Metallic <sup>1</sup> facilities (DC continuity) for Direct Current/low frequency control signals or slow speed data (30 baud) <span style="float: right;">(C)</span>
<b>(DELETED)</b>	
<b>(DELETED)</b>	
D0	Digital interface at IC terminal location at the digital signal level zero A (DS-0A)
DS	Digital hierarchy interface
- 1K	1.544 Mbps (DS1) ANSI Extended Superframe (ESF) format per TA-TSY-000342
- 1S	1.544 Mbps (DS1) ANSI Extended Superframe (ESF) format and B8ZS Clear Channel Capability per TA-TSY-000342
- 15	1.544 Mbps (DS1) Superframe (SF) format per TA-TSY-000342
- 15B	1.544 Mbps (DS1) Superframe (SF) format and B8ZS Clear Channel Capability per TA-TSY-000342
- 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 PUB 41451 (only available to U. S. Govt. agencies)
- 31	3.152 Mbps (DS1C)
- 31L	3.152 Mbps (DS1C) with SF signaling
- 44	44.736 Mbps (DS3)
- 44L	44.736 Mbps (DS3) with SF signaling
- 63	6.312 Mbps (DS2)
- 63L	6.312 Mbps (DS2) with SF signaling

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)  
|  
(N)

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

**E7.3 Facility Interface Codes (Cont'd)**

**E7.3.1 Glossary of Facility Interface Codes and Options (Cont'd)**

Code - Option	Definition	
DU	Digital access interface	
- 19 (S) <sup>1</sup>	19.2 Kbps <sup>2</sup>	(C)
- 24 (S) <sup>1</sup>	2.4 Kbps <sup>2</sup>	
- 48 (S) <sup>1</sup>	4.8 Kbps <sup>2</sup>	
- 56 (S) <sup>1</sup>	56.0 Kbps <sup>2</sup>	
- 64	64.0 Kbps <sup>2</sup>	
- 96 (S) <sup>1</sup>	9.6 Kbps <sup>2</sup>	(C)
- 1KN	DS1 (1.544 Mbps) ANSI Extended Superframe (ESF) Format per TR-NPL-000054 without line power	
- 1SN	DS1 (1.544 Mbps) ANSI Extended Superframe (ESF) Format per TR-NPL-000054, with B8ZS Clear Channel Capability and without line power	
- A	DS1 1.544 Mbps free-framing format per PUB 41451 with line power (only available to U. S. Govt. agencies)	
- AN	DS1 (1.544 Mbps) free-framing format per PUB 41451 without line power (only available to U. S. Govt. agencies)	
- BN	DS1 (1.544 Mbps) Superframe (SF) Format per TR-NPL-000054 without line power	
- DN	DS1 (1.544 Mbps) Superframe (SF) Format per TR-NPL-000054, with B8ZS Clear Channel Capability and without line power	
- SN	1.544 Mbps (DS1) ANSI Extended Superframe (ESF) format and B8ZS Clear Channel Capability	
DV	Data and Voice Multiplexing	
- BA	Derived Data Channel, 2.4 Kbps <sup>2</sup>	(C)
- BC	Data Over Voice, 9.6 Kbps <sup>2</sup>	(C)
Note 1:	(S) is an additional BellSouth designation for use when the optional Secondary Channel feature is required.	
Note 2:	Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.	(N) (N)

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

### E7.3 Facility Interface Codes (Cont'd)

#### E7.3.1 Glossary of Facility Interface Codes and Options (Cont'd)

Code - Option	Definition	
- 8	Nominal frequency from 50 to 8,000 Hz	
RV	Reverse battery signaling	
- 0	One way operation, originate at IC	
- T	Reverse battery signaling, one way operation, terminate function by IC or end user	
SF	Single frequency signaling within VF band at either IC point of interface or end user network interface	
TF	Telephotograph <sup>1</sup> interface	(C)
TT	Telegraph <sup>1</sup> /teletypewriter interface at either IC point of interface or end user network interface	(C)
- 2	20.0 milliamperes	
- 3	3.0 milliamperes	
- 6	62.5 milliamperes	
TV	Television interface	
- 3	Commercial Quality Video ( <i>a.k.a. BellSouth SPA Commercial Quality Video</i> ) and two 15 kHz audio signals	

#### E7.3.2 Impedance

The nominal reference impedance with which the IC or end user will terminate the channel for the purposes of evaluating transmission performance.

Value (ohms)	Code(s)
110	0
150	1
600	2
900	3
1200	4
135	5
75	6
124	7
Variable	8
100	9

#### E7.3.3 Digital Hierarchy Facility Interface Codes (4DS9-\*)

This facility interface is available only to ICs that select the channelized four-wire DSX-1 or higher facility interface option at the IC terminallocation and provide subsequent system and channel assignment data.

The various digital bit rates in the digital hierarchy employ the facility interface code 4DS9 plus the speed options indicated following:

Interface Code and Speed Option	Normal Bit Rate (Mbps)	Digital Hierarchy Level
4DS9-15	1.54	DS1
4DS9-31	3.15	DS1C
4DS0-63	6.31	DS2
4DS6-44	44.74	DS3

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)  
|  
(N)

## 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<sup>(3)</sup> (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. (C)

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<sup>(3)</sup> (a.k.a. BellSouth SPA DS0 VG) (C)

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

- Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data) service<sup>(1)(3)</sup> (C)

- 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<sup>(3)</sup> (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: (C)

Termination Charge = .50 x [(30 months x monthly rate) - (12 months x 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.

**Note 3:** Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)

(N)  
|  
(N)

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

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

#### E7.4.1 Types of Rates and Charges (Cont'd)

A. (Cont'd)

2. **(DELETED)**

3. Nonrecurring Charges

First and Additional nonrecurring charges are applicable to activate each individual Central Office Channel Interface of a DS1 or DS0 Basic Channelization System<sup>1</sup>, and are in addition to the nonrecurring charges for the DS1 or DS0 Basic Channelization System<sup>1</sup>. A "First" Central Office Channel Interface nonrecurring charge is applicable to the first Central Office Channel Interface installed coincident with the installation of a DS1 or DS0 Basic Channelization System<sup>1</sup>, 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 DS1 or DS0 Basic Channelization System<sup>1</sup> 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.

(C)  
|  
(C)  
(C)

One nonrecurring charge is applicable for each individual DS1 level Central Office or Customer Channel Interface and is in addition to any other applicable charges.

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service). The three types of nonrecurring charges that apply for Special Access (a.k.a. BellSouth SPA) service are:

- Installation of service,
- Installation of feature(s) and/or function(s), and
- Service rearrangements

a. Installation of Service

Nonrecurring charges apply to each service installed. When multiple identical services (i.e., services between the same locations and for the same customer) are ordered and installed at the same time, there is a charge for the first service installed and a lower charge for each additional identical service installed. Nonrecurring charges for the installation of all Services but Dedicated Access Line Service apply per service termination (i.e., IC terminal location and end user's premises).

**(DELETED)**

b. Installation of Features and Functions

Nonrecurring charges apply for the installation of the various features and functions available with Special Access (a.k.a. BellSouth SPA) service. For some features and functions there is a lower charge if installed coincident with the service and a higher charge if installed subsequent to the service.

c. Service Rearrangements

- (1) 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 E5.2.5.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 2.c.(4) following. A change which results from a transfer of service is described and charged as set forth in d. and E7.5.13 following.

If there is a relocation of the demarcation point, it will be subject to FCC Rules and Regulations as specified in Part 68.

- (2) The charge to the IC for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service.

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)  
|  
(N)

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

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

#### E7.4.1 Types of Rates and Charges (Cont'd)

##### A. (Cont'd)

##### 3. Nonrecurring Charges (Cont'd)

##### c. Service Rearrangements (Cont'd)

- (3) Administrative changes, identified as follows, will be made without charge(s) to the IC. Such changes require the continued provision and billing of the Access Service to the same entity (i.e., IC 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 end user premises address when the change of address is 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 circuit identification,
- Change of billing account number,
- Change of test line number,
- Change of end user contact name or telephone number, and

Change of jurisdiction, e.g., intraLATA to intrastate, intrastate to interstate, etc. No Termination Liability Charges apply for services billed under the Channel Services Payment Plan (CSPP) if the customer subscribes to a payment arrangement offered in the appropriate tariff which is a minimum twenty-four month service period or equals/exceeds the remaining contract period, whichever is greater.

- (4) All other service rearrangements including physical changes to existing services, will be charged for as follows:

- If the change involves the addition of other designated premises to an existing multipoint service, the nonrecurring charge for the Local Channel rate element will apply. The charge(s) will apply only for the location(s) that is being added.
- 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 changing the type of signaling on a Voice Grade<sup>1</sup> (a.k.a. BellSouth SPA DS0 VG) service, a charge equal to the Voice Grade<sup>1</sup> (a.k.a. BellSouth SPA DS0 VG) Local Channel rate element nonrecurring charge will apply. The charge will apply per service termination affected. (C)
- If the change involves changing (reconfiguring) an existing BellSouth Metro Ethernet service Connection, appropriate charges provided in E7.4.32 following apply. (C)
- If the change involves the addition of a DS3 Network Interface Unit (NIU) to a SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) the rates and charges shown in E13.3.25.
- For all other changes, including a change of the customer of record involving no physical changes to the service provided or the addition of optional features without separate nonrecurring charges, a charge equal to a Local Channel rate element nonrecurring charge will apply. Only one such charge will apply per service, per change.

##### d. Transfer of Service

When a change in billing data (e.g., name, address, contact name, or telephone number) is requested in association with a change in the customer of record, transfer of service charges, as set forth in E7.5.13 following will apply. Charges are applied on a Billing Account Number (BAN) and per circuit basis.

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

## 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<sup>2</sup> (a.k.a. BellSouth SPA DS0 VG) and equivalent voice grade<sup>2</sup> 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<sup>2</sup> (a.k.a. BellSouth SPA DS0 VG) and Digital Data Access<sup>2</sup> (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. (C)

##### 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.
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<sup>2</sup> (a.k.a. BellSouth SPA WATS Line) or BellSouth SWA 8XX Toll Free Dialing Ten Digit Screening Service access line. (C)

##### 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<sup>2</sup> (a.k.a. BellSouth SPA WATS Line) serving office (WATS Access Line<sup>2</sup> (a.k.a. BellSouth SPA WATS Line) service only) (C)

**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.

**Note 2:** Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.



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

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

#### E7.4.4 Moves (Cont'd)

- B. 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.
1. Moves Within the Same Building
 

When the move is to a new location within the same building for all services except WATS Access Line<sup>1</sup> (a.k.a. BellSouth SPA WATS Line) service, the charge for the move will be an amount equal to one-half the nonrecurring (i.e., installation) charge for the service termination affected (i.e., the IC terminal location or the end user premises). For WATS Access Line<sup>1</sup> (a.k.a. BellSouth SPA WATS Line) services, the charge for the move will be the amount equal to one-half of the nonrecurring charge of the Local Channel used to provide the service. There will be no change in the minimum period requirements. If a move is made at the same time a service rearrangement is made, the total charge will never exceed a full non-recurring charge for the basic service.
  2. To a Different Building
 

Moves to a different building, other than addressed in 3. following, will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established at the new location. The IC will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.
  3. Moves of Service(s) under CSPP
 

IC requests for moves of service under CSPP, other than inside moves, will be subject to the conditions of E2.4.9.A.10. preceding.

#### E7.4.5 Rate Application Exception Rules

- A. WATS Access Line<sup>1</sup> (a.k.a. BellSouth SPA WATS Line) Service
- When interLATA only WATS Access Line (a.k.a. BellSouth SPA WATS Line) service is provided, the only rate elements which apply are Local Channels (LC) between the end user premises and the end office (i.e., WATS or WATS like serving office) and, when the end office is not a WATS or WATS like serving office, Interoffice Channel (IOC) to extend the LC to a WATS or WATS like serving office. The nonrecurring charge for this service is that for the LC Interoffice Channel charges are not applicable to interexchange carriers providing combined (add-on) WATS/800 or WATS/800-like service.
- When extensions of interLATA only WATS Access Line (a.k.a. BellSouth SPA WATS Line) service (i.e., additional terminations of the service at another building in the same or a different LATA) are provided, they are rated in the following manner. Extensions within the LATA are provided as additional LC and IOC as required. The LC nonrecurring charge will also apply. Extensions in different LATAs of interLATA only and combined (add-on) WATS/800 and WATS/800-like service are rated as LOC (from the extension bridging point to the IC serving wire center). No Special Access (a.k.a. BellSouth SPA) service Surcharge applies to the extension service.
- WATS Access Line (a.k.a. BellSouth SPA WATS Line) service, including extensions, will not be charged to interexchange carriers when the end user is charged for the equivalent services via BellSouth intraLATA WATS/800. Rates for BellSouth intraLATA WATS/800 service can be *found in North Carolina's Non-Regulated Services – Pricing publication.*

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)  
|  
(N)

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

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

##### E7.4.6 Mileage Measurement

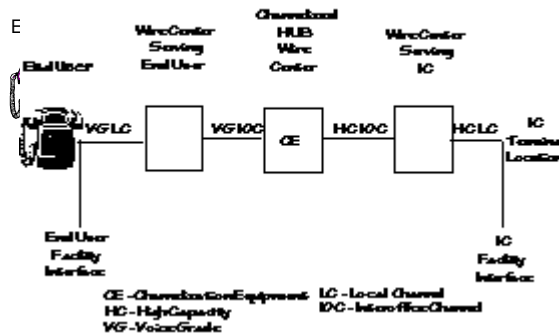
- A. The mileage to be used to determine the monthly rate for the Interoffice Channel is calculated on the airline distance between the serving wire centers involved (i.e., IC serving wire center, Hub serving wire center or end user serving wire center). The V and H coordinates method is used to determine 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<sup>2</sup> (a.k.a. BellSouth SPA DS0 VG), Program Audio<sup>(1)</sup>, etc.).

(C)

#### 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<sup>2</sup> (a.k.a. BellSouth SPA DS0 VG) service
  - From digital to Program Audio<sup>(1)</sup> service

(C)

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.

Note 2: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)  
|  
(N)

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

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

#### E7.4.7 Facility Hubs (Cont'd)

4. The transmission performance for the end to end service provided from the IC terminal location to the end user premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps service is channelized to voice frequency channels, the transmission performance will be voice grade<sup>1</sup>, not high capacity. (C)
5. The Company will commence billing the monthly rate for the Local Channel and the Interoffice Channel for the high capacity facility to the Hub as soon as it is provided, even though individual services utilizing those facilities may not be ordered and installed until a later date. If the IC has designated the type of channelization to be provided, the nonrecurring charge for the Basic Channelization System will be billed to the IC at that time and the billing for the monthly rate will begin. DS1 and DS0 Basic Channelization Systems<sup>1</sup> require a Central Office Channel Interface for activation of each lesser capacity channel. DS3 to DS1 channelization arrangements, for transport of intrastate DS1 service high capacity channels via services such as LightGate service (a.k.a. BellSouth SPA Point to Point Network) and SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring), require a DS1 channel interface for activation of each DS1 channel. (C)
6. Individual service rates (by service type) will apply for the Local Channel, and additional Interoffice Channel and Central Office Channel Interface(s) (as required) for each channelized service. These will be billed to the IC as each individual service is installed.

#### E7.4.8 Shared Use Analog and Digital High Capacity Services

Shared use occurs when Special Access (a.k.a. BellSouth SPA) service and BellSouth SWA are provided over the same High Capacity facility through a common interface. When the IC orders Special Access (a.k.a. BellSouth SPA) service, the facility will be rated as Special Access (a.k.a. BellSouth SPA) service (i.e., Local Channel, or Virtual Collocation Cross-Connect, Interoffice Channel, as appropriate, and Basic Channelization System and Central Office Interface(s), if applicable) until such time as the IC chooses to use a portion of the available capacity for providing BellSouth SWA. As each individual channel is activated for BellSouth SWA, the Special Access (a.k.a. BellSouth SPA) Local Channel rates, Interoffice Channel rates, and Basic Channelization System rates, if applicable, will be reduced accordingly (e.g., 1/24th for a DS1 service, etc.). The customer must place an order for each individual BellSouth SWA or Special Access (a.k.a. BellSouth SPA) service utilizing the Shared Use Facilities and specify the channel assignment for each such service. BellSouth SWA rates and charges as set forth in E6.8 preceding will apply for each channel of the shared use facility that is used to provide BellSouth SWA. Where Special Access (a.k.a. BellSouth SPA) service is provided utilizing a channel(s) of the shared use facility to the Hub, High Capacity rates and charges will apply for the facility to the Hub as set forth preceding and individual service rates and charges will apply from the Hub to the customer designated premises. The rates and charges that will apply to the portion from the Hub to the customer designated premises will be dependent on the specific type of Special Access (a.k.a. BellSouth SPA) service that is provided (e.g., Voice Grade<sup>1</sup> (a.k.a. BellSouth SPA DS0 VG), Digital Data Access<sup>1</sup> (a.k.a. BellSouth SPA DS0 Digital Data) service, etc.). The applicable rates and charges will include a Local Channel and Interoffice Channel, if applicable. See also E5.2.7 preceding. (C)

**Access** Collocation Cross-Connects provide a means for customers to interconnect their BellSouth Shared Use and Digital High Capacity (a.k.a. BellSouth SPA High Capacity) services to **Central Office Collocation** arrangements *within the same Central Office*. **Terms, conditions, and rates for Physical Access Collocation Cross-Connects and Virtual Access Collocation Cross-Connects** are *set forth* in **Section E13. of this Tariff**.

The capability exists for a customer to utilize all or part of a SMARTRing service (a.k.a. BellSouth Dedicated Ring) to transport switched access provided the SMARTRing service (a.k.a. BellSouth Dedicated Ring) channel interface transporting the BellSouth SWA service does not have FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) capability. The customer must place an order for each individual BellSouth SWA Channel provided over Dedicated Access service Shared Use Facilities and specify the channel assignment for each such service. The switched traffic would enter and exit the SMARTRing service (a.k.a. BellSouth Dedicated Ring) at Customer and Central Office Nodes on that network. When this occurs, ratcheting of Dedicated Access rate elements (i.e. Nodes, Channel Interfaces, Local Channels, Alternate Central Office Channels, Internodal Channels, or Interoffice Channels) will be based on the number of voice grade<sup>1</sup> (a.k.a. BellSouth SPA DS0 VG) equivalent trunks/lines of that rate element used for BellSouth SWA access. (C)

Reduction factors will be developed to reduce the charges on system level billing as well as the billing on individual DS1, DS3, STS-1, OC-3, and/or OC-12 Channel Interfaces. For ratcheting purposes, the system level charges include Customer Nodes, Central Office Nodes, Local Channels, Alternate Central Office Channels, Internodal Channels, and Interoffice Channels as appropriate to make up a customer's SMARTRing service (a.k.a. BellSouth Dedicated Ring). Individual OC-1, OC-3 and OC-12 Channel Interfaces used in Overlay Ring Arrangements will be ratcheted as system level charges. The system reduction factor will apply to the system level charges.

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)

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

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

#### E7.4.8 Shared Use Analog and Digital High Capacity Services (Cont'd)

The system reduction factor will be derived by dividing the number of activated BellSouth SWA access circuits by the voice grade<sup>1</sup> (a.k.a. BellSouth SPA DS0 VG) channel equivalent capacity of the self-healing ring. An OC-1 SMARTRing<sup>®</sup> service (a.k.a. BellSouth Dedicated Ring) has 672 voice grade<sup>1</sup> (a.k.a. BellSouth SPA DS0 VG) equivalent channels. An OC-3 SMARTRing<sup>®</sup> service (a.k.a. BellSouth Dedicated Ring) has 2,016 voice grade<sup>1</sup> (a.k.a. BellSouth SPA DS0 VG) equivalent channels. An OC-3+ or OC-12 SMARTRing<sup>®</sup> service (a.k.a. BellSouth Dedicated Ring) has 8,064 voice grade<sup>1</sup> equivalent channels. An OC-48 SMARTRing<sup>®</sup> service (a.k.a. BellSouth Dedicated Ring) or OC-48+ SMARTRing<sup>®</sup> service (a.k.a. BellSouth Dedicated Ring) with 48 or less activated DS3s has 32,256 voice grade<sup>1</sup> (a.k.a. BellSouth SPA DS0 VG) equivalent channels. However, when an OC-48+ SMARTRing<sup>®</sup> service (a.k.a. BellSouth Dedicated Ring) is used to transport BellSouth SWA service, and more than 48 equivalent DS3s are activated on the service, the factor will be based upon the actual number of activated DS3s times 672 DS0s. A factor for individual DS3 channel interfaces and 28 DS1 channel systems, will be derived by dividing the number of activated BellSouth SWA access circuits associated with the DS3 channel by the voice grade<sup>1</sup> (a.k.a. BellSouth SPA DS0 VG) equivalent capacity of the DS3 channel. A DS3 has 672 voice grade<sup>1</sup> (a.k.a. BellSouth SPA DS0 VG) equivalent channels. For DS1 channel interfaces, a factor is derived by dividing the number of BellSouth SWA access circuits associated with the DS1 channel by the voice grade<sup>1</sup> (a.k.a. BellSouth SPA DS0 VG) equivalent capacity of the DS1 channel, which is 24. Each reduction factor is rounded to four decimal places and then multiplied against the respective monthly charges to determine the reduction amount.

(C)  
 |  
 (C)  
 |  
 (C)  
 |  
 (C)  
 |  
 (C)

BellSouth SWA rates and charges as set forth in E6.8 preceding will apply for each channel of the shared use facility that is used to provide BellSouth SWA.

#### E7.4.9 Reserved for Future Use

#### E7.4.10 Multijurisdictional WATS Access Line<sup>1</sup> (a.k.a. BellSouth SPA WATS Line) "1+" and "0" IntraLATA Usage

(C)

"1+" and "0" intraLATA usage carried over outward WATS Access Lines (a.k.a. BellSouth SPA WATS Line) having both intra and interstate capability (multijurisdictional) and provided from the BellSouth Telecommunications, Inc. Tariff FCC No. 1 or other appropriate Local Exchange Carrier (LEC) interstate tariff, will be completed over LEC facilities at LEC intraLATA outward WATS (a.k.a. BellSouth SPA WATS Line) rates and subject to rules and regulations applicable to LEC intraLATA outward WATS (a.k.a. BellSouth SPA WATS Line). The "1 +" and "0" intraLATA usage will be billed to the customer (end user or IXC) where the closed end of the Multijurisdictional WATS Access Line (a.k.a. BellSouth SPA WATS Line) is terminated. Customer billing information must be provided to the Company at the time the Multijurisdictional WATS Access Line (a.k.a. BellSouth SPA WATS Line) is ordered when the Company is used to complete intraLATA calls.

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)  
 |  
 (N)

Material appearing on this page previously appeared on page(s) 34 of this section.

<sup>®</sup> Registered Service Mark of BellSouth Intellectual Property Corporation

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

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

#### E7.4.12 BellSouth SPA Customer Network Management (CNM) - FlexServ Service (Cont'd)

- C. Payment Schedules (Cont'd)
  - 2. Expiration of Payment Period (Cont'd)
    - c. (Cont'd)
      - (3) A termination charge will be applied which represents the remaining amount of the longer contract less the total amount of the shorter contract. (Difference is the remaining amount of the original contract and the total amount to be paid with the shorter contract.)
  - 3. Termination Liability
    - a. The Termination Liability for **BellSouth SPA CNM** - FlexServ service is dependent upon the payment period selected by the customer.
      - (1) One Month Payment Plan - There is no termination liability for this option other than the initial service period as specified in A. preceding.
      - (2) Term Payment Plan Option - fifty percent (50%) of the remaining amount due.
  - 4. Allowance for Interruptions
    - a. When service is interrupted due to a failure or malfunction of **BellSouth SPA CNM** - FlexServ service, a pro rata adjustment of the appropriate **BellSouth SPA CNM** - FlexServ service monthly charges will be allowed at the request of the subscriber if the total system is unavailable for more than a twenty-four hour period and in accordance with the regulations specified in Section E2. of this Tariff.
    - b. No allowances will be granted for interruptions required to perform preventive or routine maintenance, or to perform software updates when the customer is notified at least twenty-four hours prior to such occurrences.

#### E7.4.13 Derived Data Channel<sup>1</sup> (a.k.a. BellSouth SPA Derived Data Channel) Service (DDCS) (C)

- A. Application of Rates
  - 1. The Derived Data Local Channel (a.k.a. BellSouth SPA Derived Data Channel) charges provide the central office data/voice multiplexing capability.
    - a. The Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) provides data transmission at the speed of 2.4 Kbps over an end user's existing two-wire exchange line (e.g., business exchange line, ESSX service main station line). The two-wire exchange line and its associated rates and charges apply in addition to the Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) service rates and charges.
    - b. The DS0-B Interface charge is applicable for each group of a maximum of twenty multiplexed Derived Data Channels (a.k.a. BellSouth SPA Derived Data Channel). Each of the twenty channels in a DS0-B Interface Channel group operates at a bit rate of 2.4 Kbps and are multiplexed together to form a single 64 Kbps DS0 signal at the DS0-B Interface.
  - 2. Interoffice Channel
    - a. In addition to the Local Channel charges, the DS0-B Interoffice Channel may be required. The DS0-B Interoffice Channel is required to transport the 64 Kbps subrate multiplexed signal from the DS0-B Interface to the IC's serving wire center when the end user's serving wire center and the IC's serving wire center are not the same.
    - b. A four-wire Special Access (a.k.a. BellSouth SPA) digital facility is required to connect the DS0-B Interface to the IC's premises. Refer to Section E7. of this Tariff for applicable rates and charges.
  - 3. The DDCS (a.k.a. BellSouth SPA Derived Data Channel) nonrecurring charges include service ordering and installation charges associated with the DDCS (a.k.a. BellSouth SPA Derived Data Channel) equipment.

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)  
|  
(N)

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

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

**E7.5.7 Voice Grade<sup>1</sup> (a.k.a. BellSouth SPA DS0 VG) Service**

(C)

**A. Local Channel**

1. Per Point of Termination

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

(1) Voice

		Nonrecurring Charge		
	Monthly Rate	First Service Installed	Additional Service Installed	USOC
(a) Two-Wire	\$30.00	\$255.46	\$125.00	T6E2X
(b) Four-Wire	44.00	260.00	135.00	T6E4X
(2) Data				
(a) Two-Wire	30.00	235.00	130.00	T6E2X
(b) Four-Wire	44.00	260.00	140.00	T6E4X

**B. Interoffice Channel**

1. Miles

	Fixed Monthly Charge	Monthly Charge Per Mile	Nonrecurring Charge	USOC
(a) 0	\$ -	\$ -	\$ -	NA
(b) 1 and above	13.00(I)	2.24	78.40	1L5XX

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)

(N)

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

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

**E7.5.7 Voice Grade<sup>1</sup> (a.k.a. BellSouth SPA DS0 VG) Service (Cont'd)**

(C)

**B. (Cont'd)**

1. (Cont'd)

(e) **(DELETED)**

**C. Optional Features and Functions**

1. Bridging

a. Voice Bridging, Two-Wire/Four-Wire

(1) Per port

- (a) Two-Wire
- (b) Four-Wire

b. Data Bridging, Two-Wire/Four-Wire

(1) Per port

- (a) **(DELETED)**
- (b) Four-Wire

c. Telephoto Bridging, Two-Wire/Four-Wire

(1) Per port

- (a) Two-Wire
- (b) Four-Wire

d. **(DELETED)**

e. **(DELETED)**

f. **(DELETED)**

g. **(DELETED)**

	<b>Monthly Rate</b>	<b>Nonrecurring Charge</b>	<b>USOC</b>
(a) Two-Wire	<b>\$4.96</b>	<b>\$31.85</b>	<b>BCNV2</b>
(b) Four-Wire	<b>4.96</b>	<b>39.70</b>	<b>BCNV4</b>
(b) Four-Wire	<b>8.25</b>	<b>43.00</b>	<b>BCND4</b>
(a) Two-Wire	<b>4.96</b>	<b>31.85</b>	<b>BCNF2</b>
(b) Four-Wire	<b>4.96</b>	<b>39.70</b>	<b>BCNF4</b>

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)  
|  
(N)

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

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

**E7.5.7 Voice Grade<sup>5</sup> (a.k.a. BellSouth SPA DS0 VG) Service (Cont'd)**

(C)

- C. Optional Features and Functions (Cont'd)
  - 2. Conditioning, Per Point of Termination

	Monthly	Nonrecurring Charge		
	Rate	Initial	Subsequent	USOC
(a) C-Type	\$1.17	\$10.00	\$95.50	X1CPT
(b) Improved Attenuation Distortion	50.00	10.00	110.00	UHW
(c) Improved Envelope Delay Distortion	50.00	40.00	130.00	UHY
(d) Sealing Current	-	-	-	1HBPT
3. Echo Control for Effective Two-Wire Service Per Point of Termination				
(a) Improved Return Loss At the Two-Wire Point of Termination	15.00	25.00	125.00	1RL2W
(b) ELEPL2 At the Four-Wire Point of Termination	15.00	25.00	42.00	UHZ
4. Customer Specified Receive Level				
(a) Per two-wire Point of Termination	18.00	2.40	83.49	RLS
5. D-Conditioning				
(a) Per Point of Termination	4.75	2.40	120.00	XDCPT
6. Telephoto Capability				
(a) Per Point of Termination	1.87	2.40	115.00	XTCPT
7. Signaling Capability, per Point of Termination				
(a) Loop <sup>1</sup>	20.00	2.40	110.00	XSS++
(b) Single Frequency	20.00	2.40	115.00	XSSSF
(c) E&M <sup>2</sup>	20.00	2.40	120.00	XSS++
(d) Ground <sup>3</sup>	20.00	2.40	110.00	XSS++
(e) Other <sup>4</sup>	20.00	2.40	115.00	XSS++

Note 1: In lieu of ++ substitute LO and LS as appropriate.

Note 2: In lieu of ++ substitute EA, EB, EC and CT as appropriate.

Note 3: In lieu of ++ substitute GO or GS as appropriate.

Note 4: In lieu of ++ substitute LA, LB, LC, LR, RV, DX, DY, EX, AB or AC as appropriate.

Note 5: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)

(N)



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

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

**E7.5.7 Voice Grade<sup>4</sup> (a.k.a. BellSouth SPA DS0 VG) Service (Cont'd)**

(C)

C. Optional Features and Functions (Cont'd)

8. Improved Termination

		Nonrecurring Charge		
	Monthly Rate	Initial	Subsequent	USOC
(a) Per Point of Termination	\$6.50	-	115.00	UGD

D. WATS Access Line<sup>4</sup> (a.k.a. BellSouth SPA WATS Line)

(C)

The following apply to a WATS Access Line (a.k.a. BellSouth SPA WATS Line) used for interLATA only calling. Rates for all other WATS Access Lines (a.k.a. BellSouth SPA WATS Line) (i.e., combined interLATA/intraLATA calling) can be found in *North Carolina's Non-Regulated Services – Pricing publication*.

1. Two-Wire/Four-Wire WATS Access Line (a.k.a. BellSouth SPA WATS Line)

a. Local Channel

(1) Per Point of Termination

		Nonrecurring Charge		
	Monthly Rate	First Service Installed	Additional Service Installed	USOC
(a) Per Two-Wire Line	\$32.50(I)	\$255.00	131.00	X2W
(b) Per Four-Wire Line	52.00(I)	260.00	135.00	X4W

2. Interoffice Channel

a. Miles

	Fixed Monthly Charge	Monthly Charge Per Mile	Nonrecurring Charge	USOC
(a) 0	\$-	\$-	\$-	1LFFX
(b) 1 and above	13.00	2.24	78.40	1LFFX

**Note 1:** The key activated control channel is rates as Metallic (a.k.a. BellSouth SPA Metallic) Local Channel (use USOC T6EME in lieu of T6ECS) and Interoffice Channel, if applicable (use USOC 1L5MX in lieu of 1L5XX).

**Note 2:** The Dial-up option requires the purchase of the Controller Arrangement (USOC XTDDU) from E13.3.8 following.

**Note 3:** An additional Local Channel charge will apply whenever a spare channel is configured as a leg to the premises. Additional Interoffice Channel charges will also apply when the transfer arrangement is not located in the premises serving wire center.

**Note 4:** Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)

(N)

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

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

**E7.5.7 Voice Grade<sup>1</sup> (a.k.a. BellSouth SPA DS0 VG) Service (Cont'd)**

(C)

**D. WATS Access Line<sup>1</sup> (Cont'd)**

(C)

3. Optional Features

a. Improved Two-Wire Voice Transmission Specifications

(1) For WATS Access Line (a.k.a. BellSouth SPA WATS Line)

	<b>Monthly Rate</b>	<b>Nonrecurring Charge</b>		<b>USOC</b>
		<b>Initial</b>	<b>Subsequent</b>	
(a) Two-Wire	<b>\$10.00</b>	<b>\$20.78</b>	<b>\$68.20</b>	<b>X2T</b>

b. WATS Access Line (a.k.a. BellSouth SPA WATS Line) Bridging

(1) Two-Wire/Four-Wire, per port

	<b>Monthly Rate</b>	<b>Nonrecurring Charge</b>		<b>USOC</b>
(a) Two-Wire	<b>\$4.96</b>		<b>31.88</b>	<b>BCNV2</b>
(b) Four-Wire	<b>4.96</b>		<b>39.70</b>	<b>BCNV4</b>

**E7.5.8 (DELETED)**

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)

(N)

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

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

**E7.5.8 (DELETED) (Cont'd)**

**E7.5.9 Digital Data Access<sup>3</sup> (a.k.a. BellSouth SPA DS0 Digital Data) Service**

(C)

A. Local Channel

1. Per Point of Termination

			Month	24 to	43 to	
	Nonrecurring Charge		to	42	72	
	First	Add'l	Month	Months <sup>1,2</sup>	Months <sup>1,2</sup>	USOC
(a) 2.4 Kbps	\$365.00	\$120.00	\$48.00	\$45.00	\$40.00	T6ECS
(b) 4.8 Kbps	365.00	120.00	48.00	45.00	40.00	T6ECS
(c) 9.6 Kbps	365.00	120.00	48.00	45.00	40.00	T6ECS
(d) 19.2 Kbps	365.00	120.00	48.00	45.00	40.00	T6ECS
(e) 56.0 Kbps	365.00	120.00	64.00	60.00	55.00	T6ECS
(f) 64.0 Kbps	365.00	120.00	64.00	60.00	55.00	T6ECS

**Note 1:** Effective December 10, 2013, Customers may not establish new term plans greater than 36 months for Digital Data service and term plans may not be renewed for a term greater than 36 months.

**Note 2:** Effective March 25, 2019, Customers may not convert, renew or establish CSPPs for Digital Data Access Service.

**Note 3:** Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)

(N)

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

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

**E7.5.9 Digital Data Access<sup>3</sup> (a.k.a. BellSouth SPA DS0 Digital Data) Service (Cont'd)**

(C)

A. Local Channel (Cont'd)

2. Hub Termination, per Local Channel

			Month	24 to	43 to		
		Nonrecurring Charge	to	42	72		
		First	Month	Months <sup>1,2</sup>	Months <sup>1,2</sup>	USOC	
(a)	2.4 Kbps	\$48.00	\$37.00	\$10.00	\$9.00	\$8.00	TUTA4
(b)	4.8 Kbps	48.00	37.00	10.00	9.00	8.00	TUTB4
(c)	9.6 Kbps	48.00	37.00	10.00	9.00	8.00	TUTC4
(d)	19.2 Kbps	48.00	37.00	10.00	9.00	8.00	TUTE4
(e)	56.0 Kbps	48.00	37.00	20.00	18.00	16.00	TUTD4
(f)	64.0 Kbps	48.00	37.00	20.00	18.00	16.00	TUTF4

B. Interoffice Channel

1. 2.4 Kbps

Mileage Bands

		Fixed	Monthly	Nonrecurring	USOC
		Monthly	Charge	Charge	
		Charge	Per Mile		
(a)	0	\$-	\$-	\$-	1L5XX
(b)	1 and above	20.00	1.45	99.00	1L5XX

2. 4.8 Kbps

Mileage Bands

(a)	0	-	-	-	1L5XX
(b)	1 and above	20.00	1.45	99.00	1L5XX

3. 9.6 Kbps

Mileage Bands

(a)	0	-	-	-	1L5XX
(b)	1 and above	20.00	1.45	99.00	1L5XX

**Note 1:** Effective December 10, 2013, Customers may not establish new term plans greater than 36 months for Digital Data service and term plans may not be renewed for a term greater than 36 months.

**Note 2:** Effective March 25, 2019, Customers may not convert, renew or establish CSPPs for Digital Data Access Service.

**Note 3:** Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)  
|  
(N)

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

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

**E7.5.9 Digital Data Access<sup>1</sup> (a.k.a. BellSouth SPA DS0 Digital Data) Service (Cont'd)**

(C)

B. Interoffice Channel (Cont'd)

4. 19.2 Kbps

Mileage Bands

		Fixed Monthly Charge	Monthly Charge Per Mile	Nonrecurring Charge	USOC
(a)	0	\$-	\$-	\$-	1L5XX
(b)	1 and above	20.00	1.45	99.00	1L5XX
5.	56.0 Kbps				
	Mileage Bands				
(a)	0	-	-	-	1L5XX
(b)	1 and above	30.00	2.90	99.00	1L5XX
6.	64.0 Kbps				
	Mileage Bands				
(a)	0	-	-	-	1L5XX
(b)	1 and above	30.00	2.90	99.00	1L5XX

7. 2.4, 4.8, 9.6, or 19.2 Kbps (Contract Rates)

Mileage Bands

		Nonrecurring Charge Per Channel	Fixed 24 to 42 Months	43 to 72 Month	Per Mile 24 to 42 Months	43 to 72 Months	USOC
(a)	0	\$-	\$-	\$-	\$-	\$-	1L5XX
(b)	1 and above	99.00	18.00	16.00	1.25	1.00	1L5XX
8.	56.0 or 64.0 Kbps (Contract Rates)						
	Mileage Bands						
(a)	0	-	-	-	-	-	1L5XX
(b)	1 and above	99.00	28.00	25.00	2.50	2.00	1L5XX

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)  
|  
(N)

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

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

**E7.5.9 Digital Data Access<sup>7</sup> (a.k.a. BellSouth SPA DS0 Digital Data) Service (Cont'd)**

(C)

C. Optional Features and Functions

1. Bridging<sup>1,2</sup>

	Nonrecurring Charge	Month to Month	24 to 42 Months <sup>5,6</sup>	43 to 72 Months <sup>5,6</sup>	USOC
(a) Per port (2.4, 4.8, 9.6, 19.2, 56.0 Kbps)	\$22.00	\$15.00	\$12.00	\$10.00	BCNDA

2. Digital Data Secondary Channel Capability, per Local Channel<sup>1,2,3</sup>

(a) Each	160.00	10.00	7.50	5.00	SFS
----------	--------	-------	------	------	-----

3.

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

A. Local Channel

1. Per Point of Termination

	Monthly Rate	Nonrecurring Charge		USOC
		First Service Installed	Additional Service Installed	
(a) 1.544 Mbps	\$215.00	\$837.92	\$494.19	TMEC
(b) 3.152 Mbps <sup>4</sup>	-	-	-	TWT+
(c) 6.312 Mbps <sup>4</sup>	-	-	-	TWT+
(d) 44.736 Mbps <sup>4</sup>	-	-	-	TWT+

**Note 1:** This option is not available with 64.0 Kbps.

**Note 2:** Not available at all service locations.

**Note 3:** Nonrecurring charge is applicable only if Secondary Channel service is being added subsequent to the installation of basic service.

**Note 4:** ICB rates and charges apply.

**Note 5:** Effective December 10, 2013, Customers may not establish new term plans greater than 36 months for Digital Data service and term plans may not be renewed for a term greater than 36 months.

**Note 6:** Effective March 25, 2019, Customers may not convert, renew or establish CSPPs for Digital Data Access Service.

**Note 7:** Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)  
|  
(N)

**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

1. Channelization

a. DS3 Channelization

(1) DS3to DS1

(a) Per arrangement<sup>1</sup>

b. DS2 Channelization

(1) DS2 to DS1

(a) Per arrangement<sup>1</sup>

c. DS1C Channelization

(1) DS1C to DS1

(a) Per arrangement<sup>1</sup>

d. DS1 Channelization

(1) DS1 Basic Channelization System (DS1 to VG/DS0)

(a) Per System

e. DS0 Channelization<sup>2</sup>

(1) DS0 Basic Channelization System (DS0 to Subrate<sup>2</sup>)

(a) Maximum of 20, 2.4 Kbps services

(b) Maximum of 10, 4.8 Kbps services

(c) Maximum of 5, 9.6 Kbps services

	Monthly Rate	Nonrecurring Charge	USOC
	\$-	\$-	MXB++
	-	-	MXD++
	-	-	MXH++
	210.00	135.00	MQ1
	120.00	135.00	QSU24
	120.00	135.00	QSU48
	120.00	135.00	QSU96

Note 1: ICB rates and charges apply.

Note 2: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(C)

(C)

(N)

(N)

**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) Metallic <sup>6</sup> (a.k.a. <i>BellSouth SPA Metallic</i> )	7.00	6.00	16.00	1D1ME
(c) Telegraph <sup>6</sup> (a.k.a. <i>BellSouth SPA Telegraph</i> )	7.00	6.00	5.00	1D1TE
(d) Voice Grade <sup>6</sup> (a.k.a. <i>BellSouth SPA DS0 VG</i> )	7.00	6.00	6.50	1D1VG
(e) WATS Access Line <sup>6</sup> (a.k.a. <i>BellSouth SPA WATS Line</i> )	7.00	6.00	6.50	1D1WT
(f) Program Audio <sup>(5)</sup> - Monthly	7.00	6.00	37.00	1D1PA
(g) Program Audio <sup>(5)</sup> - Daily	7.00	6.00	4.00	1D1PA
(h) DDAS <sup>6</sup> (a.k.a. <i>BellSouth SPA DS0 Digital Data</i> )	7.00	6.00	13.00	1D1DD

c. Sub-DS0 Level Interfaces<sup>6</sup>

(1) Subrate Level Central Office Channel Interface

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

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.

**Note 6:** Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(C)

(C)

(N)



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

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

**E7.5.14 (DELETED) (Cont'd)**

**E7.5.15 Derived Data Channel<sup>1</sup> (a.k.a. BellSouth SPA Derived Data Channel) Service**

(C)

A. Local Channel

1. Derived Data Channel

	<b>Nonrecurring Charge</b>	<b>Month to Month</b>	<b>24 to 42 Months</b>	<b>43 to 72 Months</b>	<b>USOC</b>
(a) Per channel at 2.4 Kbps	<b>\$360.00</b>	<b>\$17.00</b>	<b>\$13.50</b>	<b>\$11.00</b>	<b>DAXPC</b>
2. DS0-B Interface					
(a) Per group of twenty Derived Data Channels	<b>400.00</b>	<b>90.00</b>	<b>88.00</b>	<b>86.00</b>	<b>DAXPI</b>

**(DELETED)**

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)

(N)

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

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

**E7.5.15 Derived Data Channel<sup>5</sup> (a.k.a. BellSouth SPA Derived Data Channel) Service (Cont'd)**

(C)

B. Interoffice Channel

1. DS0-B Interoffice Channel, Per DS0-B Interface

	Nonrecurring Charge	Month to Month	Month to 24 Months <sup>2,4</sup>	24 to 42 Months <sup>2,4</sup>	43 to 72 Months <sup>2,4</sup>	USOC
(a) Fixed	\$15.00	\$5.00	\$4.00	\$3.00		DAXPF
(b) Each mile or fraction thereof	-	1.00	.75	.50		DAXPM

**E7.5.16 BellSouth SPA CNM - FlexServ Service**

A. Basic BellSouth SPA CNM - FlexServ Service

1. DS0 Channel Connections

	Nonrecurring Charge	Month To Month	Month to 24 Months <sup>3,4</sup>	24 to 49 Months <sup>3,4</sup>	49 to 73 Months <sup>3,4</sup>	USOC
(a) Voice Grade Type, per DS0 channel	\$35.00	\$13.85	\$12.75	\$11.75	\$11.00	DSLVA
(b) Digital Type, per DS0 channel	35.00	5.75	5.30	4.90	4.60	DSLDA
2. DS1 Channel Connections						
(a) DS0 Switching, per DS1 channel	125.00	80.00	75.00	70.00	65.00	DSL1A
(b) DS1 Switching, per DS1 channel	125.00	48.00	44.00	41.00	38.00	DSL1B
(c) Surveillance - DS1 Level per DS1 channel	125.00	48.00	44.00	41.00	38.00	DSL1S
3. DS3 Channel Connections						
(a) Surveillance - DS1 Level, per DS3 channel	125.00	375.00	345.00	320.00	300.00	DSL3S
(b) Surveillance - DS3 Level, per DS3 channel	125.00	150.00	138.00	128.00	120.00	DSL3T

B. BellSouth SPA CNM - FlexServ Service

1. Multipoint Bridging

(a) Voice Grade Connections, per bridging leg	20.00	3.90	3.50	3.40	3.30	FSSF9
(b) Multipoint Junction Unit, per 2.4, 4.8, 9.6 or 56 Kbps channel <sup>1</sup>	15.00	5.15	4.75	4.25	4.00	FSSFJ
(c) Multipoint Junction Unit, per 19.2 Kbps channel <sup>1</sup>	15.00	9.45	8.90	8.40	7.90	FSSF9

**Note 1:** Must purchase in units of five.

**Note 2:** Effective December 10, 2013, Customers may not establish new term plans greater than 36 months for Derived Data Channel service and term plans may not be renewed for a term greater than 36 months.

**Note 3:** Effective December 10, 2013, Customers may not establish new term plans greater than 36 months for BellSouth SPA CNM - FlexServ 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, renew or establish CSPPs for Derived Data Channel Service and BellSouth SPA CNM - FlexServ Service.

**Note 5:** Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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 Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)  
|  
(N)