

TARIFF DISTRIBUTION

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BELLSOUTH
 TELECOMMUNICATIONS
 KENTUCKY
 ISSUED: December 16, 2022
 BY: Cyndi Gallagher, Director – External Affairs

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E2. GENERAL REGULATIONS**E2.4 Payment Arrangements And Credit Allowances (Cont'd)****E2.4.4 Credit Allowance For Service Interruptions (Cont'd)****B. When a Credit Allowance Applies (Cont'd)**

1. (Cont'd)

- c. For Special Access (a.k.a. BellSouth SPA) services, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service that is inoperative. When the facility which is channelized or the Basic Channelization System itself is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., the local channel, interoffice channel and optional features and functions, including the Basic Channelization System on the facility to the Hub, and the local channels, interoffice channels and their associated Central Office Channel Interface(s) and optional features and functions on the individual services from the Hub). When the service which rides a channel of the channelized facility is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service from the Hub to a customer premises (i.e., local channels, interoffice channel, Central Office Channel Interface, and optional features and functions).
- d. For BellSouth SWA channelized services, the monthly charge shall be the total of all monthly rate element charges associated with that portion of the service that is inoperative. When the facility which is channelized or the Basic Channelization System itself is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with the service (e.g., the Switched Local Channel, Switched Interoffice Channels, Channelization Equipment, including the Basic Channelization System on the facility to the Hub, if applicable).

2. *Reserved For Future Use*

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E2. GENERAL REGULATIONS

E2.12 TDM to IP Transition

E2.12.1 General TDM to IP Transition Provisions

As a result of evolving network technology, the Telephone Company is able to offer new, advanced services. At the same time, certain older services will no longer be available in some geographic areas, as those services are no longer technically or economically feasible. The table below identifies services that have been withdrawn, by wire center and exchange, along with additional information related to these service withdrawals.

<u>Product Name</u>	<u>Reference</u>
Metallic (aka BellSouth SPA Metallic) Service	E7.2.1
Telegraph Grade (aka BellSouth SPA Telegraph) Service	E7.2.2
Voice Grade (aka BellSouth SPA DS0 VG) Service	E7.2.3
Digital Data Access (aka BellSouth SPA DS0 Digital Data) Service	E7.2.7
High Capacity (aka BellSouth SPA High Capacity) Service (64 kbps, 3.152 and 6.312 Mbps)	E7.2.8
Derived Data Channel (aka BellSouth SPA Derived Data Channel) Service	E7.2.15
FlexServ Service (aka BellSouth SPA Customer Reconfiguration)	E7.4.12

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<u>Effective Date</u>	<u>Wire Center</u>	<u>Exchange</u>	<u>Other Information</u>
07/15/2020	PIVLKYMA	Pineville	Distribution Area 4203PA

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**E5. ORDERING OPTIONS FOR BELLSOUTH SWA
 AND SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**

E5.2 Access Order (Cont'd)

E5.2.4 Cancellation Of An Access Order (Cont'd)

B. (Cont'd)

4. (Cont'd)

e. Cancellation Charge Percentages

Type Service/ Critical Dates	After: Before:	APP SID	SID LAM	LAM EIRD	EIRD DLRD	DLRD RID	RID DVA
SPECIAL ACCESS (a.k.a BellSouth SPA)							
WATS (a.k.a. BellSouth SPA)		1.60%	5.90%	9.40%	12.60%	16.00%	22.30%
Voice Grade (a. k. a. BellSouth SPA DSO VG)		1.60%	5.90%	9.40%	12.60%	16.00%	22.30%
Telegraph Grade (a. k. a. BellSouth SPA Telegraph)		1.70%	6.40%	10.10%	13.40%	17.10%	22.90%
Metallic Grade (a. k. a. BellSouth SPA Metallic)		1.70%	6.50%	10.30%	13.70%	17.40%	22.30%
High Capacity (a. k. a. BellSouth SPA High Capacity)		7.90%	17.80%	19.90%	23.30%	28.10%	34.90%
Digital Data Access (a. k. a. BellSouth SPA DSO Digital Data)		1.60%	5.90%	9.40%	11.10%	21.80%	23.80%
BellSouth Metro Ethernet service		11.60%	33.10%	42.90%	44.80%	47.30%	53.10%

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BELLSOUTH SWA							
Trunks or Lines		2.40%	6.20%	7.50%	14.40%	22.20%	29.40%
BellSouth SWA High Capacity Facilities		7.90%	17.80%	19.90%	23.30%	28.10%	34.90%
BellSouth Wavelength Service		7.90%	17.80%	19.90%	23.30%	28.10%	34.90%

Type Service/ Critical Dates	After: Before:	DVA WOT	WOT FCD	FCD PTD	PTD DD	DD
SPECIAL ACCESS (a.k.a. BellSouth SPA)						
WATS (a.k.a. BellSouth SPA)		35.90%	45.40%	58.10%	84.70%	100.00%
Voice Grade (a.k.a. BellSouth DSO VG)		35.90%	45.40%	58.10%	84.70%	100.00%
Telegraph Grade (a.k.a. BellSouth SPA Telegraph)		35.20%	43.30%	60.30%	88.40%	100.00%
Metallic Grade (a.k.a. BellSouth SPA Metallic)		33.60%	42.00%	55.10%	83.70%	100.00%

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High Capacity (a. k. a. BellSouth SPA High Capacity)		48.10%	57.70%	63.90%	84.10%	100.00%
Digital Data Access (a. k. a. BellSouth SPA DSO Digital Data)		34.20%	41.00%	52.50%	81.50%	100.00%
BellSouth Metro Ethernet Service		53.10%	69.90%	85.60%	94.90%	100.00%
BELLSOUTH SWA						
Trunks or Lines		38.70%	41.70%	64.30%	93.50%	100.00%
BellSouth SWA High Capacity Facilities		48.10%	57.70%	63.90%	84.10%	100.00%
BellSouth Wavelength Service		48.10%	57.70%	63.90%	84.10%	100.00%

Note 1: As set forth in Section *E5.2.4.B.2*, when a customer cancels an order prior to the Design Layout Report Date, no cancellation charges apply.

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

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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 connect customer designated premises¹, either directly or through a Company hub where bridging or channelization functions are performed. Special Access (a.k.a. BellSouth SPA) service² includes all exchange access not utilizing Company end office switches.

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.

E7.1.1 Channel Types

- A. 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
 - Bandwidth
 - Speed (i.e., bit rate)
 - Spectrum
- B. Customers can order a basic channel and select from a list of available transmission parameters and channel interfaces, those that they desire to meet specific communications requirements.
- C. For purposes of ordering channels, each has been identified as a type of Special Access (a.k.a. BellSouth SPA) service. However, such identification is not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use. For example, if a customer's equipment is capable of transmitting voice over a channel that is identified as Metallic⁴ (a.k.a. BellSouth SPA Metallic) service in this Tariff, there is no restriction against doing so.
- D. Following is a brief description of each type of channel:
1. Metallic⁴ (a.k.a. BellSouth SPA Metallic) - a channel for the transmission of low speed varying signals at rates up to 30 baud.
 2. Telegraph (a.k.a. BellSouth SPA Telegraph) Grade⁴ - a channel for the transmission of binary signals at rates of 0 to 75 baud or 0 to 150 baud.
 3. Voice Grade⁴ (a.k.a. BellSouth SPA DS0 VG) - a channel for the transmission of analog signals within an approximate bandwidth of 300-3000 Hz.
 4. WATS Access Line⁴ (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 service.
 5. **(DELETED)**
 6. **(DELETED)**
 7. Digital Data Access⁴ (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 or 56.0 kbps.
 8. 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.
 9. Derived Data Channel⁴ (a.k.a. BellSouth SPA Derived Data Channel) - a digital data channel derived from a two-wire local exchange facility that transmits voice and data signals simultaneously.

Note 1: Company-provided Centrex Type Services systems and Company Answering Service Concentrators are considered to be customer premises for purposes of administering regulations and rates contained in this Tariff.

Note 2: For purposes of administering the surcharge regulations, WATS access lines (a.k.a. BellSouth SPA WATS Line) are considered to be Special Access (a.k.a. BellSouth SPA) service.

Note 3: **(DELETED)**

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.

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

E7.1 General (Cont'd)

E7.1.4 Alternate Use

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

The arrangement required to transfer the service from one operation to the other (i.e., the transfer relay and control leads) will be rated and provided on an individual case basis and filed in Section E12., Specialized Service or Arrangements. The customer will pay the stated tariff rates for the Access Service rate elements for the service ordered (i.e., Local Channels, Interoffice Channels as applicable, and Optional Features and Functions, if any.)

E7.1.5 Special Facilities Routing

A customer 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.

E7.1.6 Design Layout Report

At the request of the customer, the Company will provide to the customer the make-up of the facilities and services provided under this Tariff as Special Access (a.k.a. BellSouth SPA) service to aid the customer in designing its overall service. This information will be provided in the form of a Design Layout Report.

The Design Layout Report will be provided to the customer at no charge, and will be reissued or updated whenever these facilities are materially changed.

E7.1.7 Acceptance Testing

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

- A. For Voice Grade⁽²⁾ (a.k.a. BellSouth SPA DS0 VG) services, acceptance tests will include tests for loss, 3-tone slope, DC continuity, operational signaling, C-notched noise and C-message noise when these parameters are applicable and specified in the order for service. Additionally, for Voice Grade⁽²⁾ (a.k.a. BellSouth SPA DS0 VG) services, a balance (improved loss) test will be made if the customer has ordered the improved loss optional feature.
- B. For other analog services (i.e., Metallic⁽²⁾ (a.k.a. BellSouth SPA Metallic), Telegraph⁽²⁾ (a.k.a. BellSouth SPA Telegraph) and for digital services (i.e., Digital Data Access⁽²⁾ (a.k.a. BellSouth SPA DS0 Digital Data) and High Capacity (a.k.a. BellSouth SPA High Capacity)), acceptance tests will include tests for the parameters applicable to the service as specified in the order for service.

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In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade⁽²⁾ (a.k.a. BellSouth SPA DS0 VG) service to test other parameters, as described in E13.3.5.B. following, is available at the customer's request. All test results will be made available to the customer upon request.

E7.1.8 Ordering Options And Conditions

- A. There are two ordering options available to the customer in the provision of Special Access (a.k.a. BellSouth SPA) service. These are:
 1. Access Order
- B. These options are set forth in detail in Section E5. preceding. Also included in that section are other charges which may be associated with ordering Special Access (a.k.a. BellSouth SPA) service (e.g., Service Date Change Charges, Cancellation Charges, etc.).

(1) **(DELETED)**

- (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.

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

E7.2 Service Descriptions

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

- Metallic¹ (a.k.a. BellSouth SPA Metallic) (MT)
- Telegraph Grade¹ (a.k.a. BellSouth SPA Telegraph) (TG)
- Voice Grade¹ (a.k.a. BellSouth SPA DS0 VG) (VG)
- **(DELETED)**
- Digital Data Access¹ (a.k.a. BellSouth SPA DS0 Digital Data) Service (DDAS)
- High Capacity (a.k.a. BellSouth SPA High Capacity) (HC)
- WATS Access Line¹ (a.k.a. BellSouth SPA WATS Line) (WAL)
- Derived Data Channel¹ (a.k.a. BellSouth SPA Derived Data Channel) Service
- Self-Healing Rings (SMARTRing² service [a.k.a. BellSouth Dedicated Ring])

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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.

Note 2: Effective on or after December 1, 2021, neither new nor existing customers will be permitted to purchase new SMARTRing Service (Service). In addition, (A) Service Payment Plans greater than 12-months in length will no longer be available; and (B) requests to move, add, change, upgrade, or downgrade existing service arrangements will not be accepted, with the following exceptions: (1) existing customers will be permitted to modify their existing Service and will be able to add new circuits to their existing Service, but will not be permitted to add new nodes in any locations; and (2) any such new circuits will be subject to the customer's existing term payment plan or term agreement for the Service to which they are added. 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.

Effective November 30, 2023, unless specified to the contrary in their existing Service agreements, existing customers may not renew Term Payment Plans or term agreements for Service. In addition, no move, add, or change orders of any type will be accepted.

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

E7.2 Service Descriptions (Cont'd)

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

Metallic ⁽²⁾ (a.k.a. BellSouth SPA Metallic)	TR-NPL-000336
Telegraph Grade ⁽²⁾ (a.k.a. BellSouth SPA Telegraph)	TR-NPL-000336
Voice Grade ⁽²⁾ (a.k.a. BellSouth SPA DSO VG)	TR-NPL-000335
	PUB 41004, Table 4
(DELETED)	
(DELETED)	
Digital Data Access ⁽²⁾ (a.k.a. BellSouth SPA DSO Digital Data)	TR-NPL-000341
For 2.4, 4.8, 9.6 and 56.0 Kbps	BellCore PUB 62310
For 19.2 Kbps	INC. BULLETIN
	CB-INC-100
	AT&T PUB 62310
	TA-TSY- 000342
	TR-NPL-000054
For 64.0 Kbps	TR-NPL-000334
High Capacity (a.k.a. BellSouth SPA High Capacity)	BellSouth TR-73548
	BellSouth TR-73548, Addendum 1
WATS Access Line ⁽²⁾ (a.k.a. BellSouth SPA WATS Line)	
Derived Data Channel ⁽²⁾ (a.k.a. BellSouth SPA Derived Data Channel) service	

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E7.2.1 Metallic⁽²⁾ (a.k.a. BellSouth SPA Metallic) Service

A. Basic Channel Description

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

B. Technical Specifications Packages

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

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

C. Channel Interfaces

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

⁽¹⁾ **(DELETED)**

⁽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.

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E7.2 Service Descriptions (Cont'd)

E7.2.4 Reserved For Future Use

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E7.2 Service Descriptions (Cont'd)

E7.2.4 *Reserved For Future Use* (Cont'd)

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.2 Service Descriptions (Cont'd)****E7.2.8 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd)**

D. Optional Features and Functions (Cont'd)

4. Channelization

a. DS3 to DS1

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

b. DS2 to DS1

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

c. DS1C to DS1

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

d. 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, and digital data access service. A DS1 Basic Channelization System requires a Central Office Channel Interface for each channel of lesser capacity. (D)

e. DS0 Basic Channelization System⁽²⁾

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

5. Channel Interface

a. 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.

b. 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.

c. DS0 Level Central Office Channel Interface⁽²⁾

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.

d. Subrate Level Central Office Channel Interface⁽²⁾

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.

⁽¹⁾ **(DELETED)**

⁽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.

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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)

1. Monthly Rates (Cont'd)

Rates applicable to a month-to-month payment option are subject to Company initiated changes.

2. Nonrecurring Charges

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

- Installation of service,
- Installation of optional features and functions, and
- Service rearrangements

The following list identifies the individual Special Access (a.k.a. BellSouth SPA) services provided under Section 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 Grade³ (a.k.a. BellSouth SPA DS0 VG),
- **(DELETED)**
- Digital Data Access³ (a.k.a. BellSouth SPA DS0 Digital Data) service¹,
- High Capacity (a.k.a. BellSouth SPA High Capacity) service

(T)

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

Note 2: **(DELETED)**

(T)

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.

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.4 Rate Regulations (Cont'd)****E7.4.7 Facility Hubs**

A customer has the option of ordering Voice Grade² facilities or digital high capacity facilities (i.e., DS1, DS1C, DS2, or DS3) to a facility Hub for channelizing to individual services requiring lower capacity facilities (e.g., Telegraph², Voice², etc.). (D)

Different locations may be designated as Hubs for different facility capacities, e.g., channelization from digital to digital may occur at one location while channelization from digital to analog may occur at a different location. When ordering, the customer will specify the desired channelization Hub(s) selected from the National Exchange Carrier Association Tariff F.C.C. No. 4. This tariff identifies the type(s) of channelization functions which are available and the serving wire centers at which they are available.

Some of the types of channelization available include the following:

- from higher to lower bit rate
- from digital to voice frequency channels

End to end services may be provided on channels of these facilities to a hub. The transmission performance for the end to end service provided between customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps facility is channelized to voice frequency channels, the transmission performance of the channelized services will be Voice Grade² (a.k.a. BellSouth SPA DS0 VG), not High Capacity (a.k.a. BellSouth SPA High Capacity).

The Company will commence billing the monthly rate for the facility to the Hub on the date specified by the customer on the service order. Individual services utilizing these facilities may be installed coincident with the installation of the facility to the Hub or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a Voice Grade² or digital Local Channel, Interoffice Channel, if applicable and the Basic Channelization System at the time the facility is installed. DS1 and DS0 Basic Channelization Systems² require a Central Office Channel Interface for activation of each lesser capacity channel. DS3 to DS1 channelization arrangements, for transport of intrastate high capacity DS1 service channels via LightGate (a.k.a. BellSouth SPA Point to Point Network) and SMARTRing³ (a.k.a. BellSouth SPA Dedicated Ring) services, require a DS1 channel interface for activation of each DS1 channel. Individual service rates (by service type) will apply for a Local Channel, additional Interoffice Channel and Central Office Channel Interface(s) (as required), if applicable, for each channelized service. These will be billed to the customer as each individual service is installed.

Cascading channelization occurs when a high capacity analog or digital channel is channelized to provide channels with a lesser capacity and one of the lesser capacity channels is further channelized.

Note 1: (DELETED)

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. (T)

Note 3: Effective on or after December 1, 2021, neither new nor existing customers will be permitted to purchase new SMARTRing Service (Service). In addition, (A) Service Payment Plans greater than 12-months in length will no longer be available; and (B) requests to move, add, change, upgrade, or downgrade existing service arrangements will not be accepted, with the following exceptions: (1) existing customers will be permitted to modify their existing Service and will be able to add new circuits to their existing Service, but will not be permitted to add new nodes in any locations; and (2) any such new circuits will be subject to the customer's existing term payment plan or term agreement for the Service to which they are added. 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.

Effective November 30, 2023, unless specified to the contrary in their existing Service agreements, existing customers may not renew Term Payment Plans or term agreements for Service. In addition, no move, add, or change orders of any type will be accepted.

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.4 Rate Regulations (Cont'd)****E7.4.7 Facility Hubs (Cont'd)**

When cascading channelization is performed, whether in the same or a different Hub, a charge for the additional Basic Channelization System and Central Office Channel Interface(s) also applies. A DS1 Basic Channelization System and DDAS Central Office Channel Interface are required for high speed or low speed activations when channelized from a DS1 (1.544 Mbps) channel. A DS0 Basic Channelization System² and Subrate Central Office Channel Interface² are required for subrate² activations of 2.4, 4.8 and 9.6 Kbps when channelized from a DS0 (64 Kbps)² channel. When cascading channelization is performed at different Hubbing locations, Interoffice Channel charges also apply between the Hubs.

A customer can order service(s) between customer designated premises and a hub and will be billed accordingly at the rates set forth in E7.5.5 following for the service, as appropriate. The customer will be charged for each such connection made at the rates for Other Labor as set forth in E13.2.6.(c) following. The rates that apply for the service between each customer designated premises and the hub are a Local Channel and Interoffice Channel, if applicable.

(D)

Note 1: (DELETED)

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.

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

E7.5 Rates And Charges (Cont'd)

E7.5.4 Reserved For Future Use

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

E7.5 Rates And Charges (Cont'd)

E7.5.8 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 Interface¹

	Month to Month	24 to 48 Months ^{2,5}	49 to 72 Months ^{2,5}	73 to 96 Months ^{2,5}	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 Interface¹

(a) Asynchronous	17.00	13.00	13.00	13.00	300.00	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

	Monthly Rate	Nonrecurring Charge		USOC
		First	Additional	
(a) BellSouth® SWA	\$0.00	\$0.00	\$0.00	1D1SW
(b) Metallic ⁴ (a.k.a. BellSouth® SPA Metallic)	16.00	10.00	9.00	1D1ME
(c) Telegraph ⁴ (a.k.a. BellSouth® SPA Telegraph)	5.00	10.00	9.00	1D1TE
(d) Voice Grade ⁴ (a.k.a. BellSouth® SPA DSO VG)	6.50	10.00	9.00	1D1VG
(e) WATS Access Line ⁴ (a.k.a. BellSouth® SPA WATS Line)	6.50	10.00	9.00	1D1WT
(f) (DELETED)				
(g) (DELETED)				
(h) DDAS ⁴ (a.k.a. BellSouth® SPA DSO Digital Data)	13.00	10.00	9.00	1D1DD

c. Sub-DS0 Interfaces⁴

(1) Subrate Central Office Channel Interface

(a) Subrate (2.4, 4.8, & 9.6 Kbps)	\$13.00	\$10.00	\$9.00	IDOSR
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Note 1: Contract lengths are flexible to allow customer choice of payment period per E2.4.9.

Note 2: Effective March 23, 2019, Customers may not: (1) Establish CSPPs greater than 36 months for High Capacity Service, and (2) Convert or renew CSPPs for High Capacity Service.

Note 3: **(DELETED)**

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.

Note 5: Effective November 1, 2022, customers may not establish new term plans of greater than 24 months for High Capacity Service Channel Service Payment Plans.

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E11. SPECIAL FACILITIES ROUTING OF ACCESS SERVICES

E11.1 Description Of Special Facilities Routing Of Access Services

E11.1.1 General

- A. The services provided under this Tariff are provided over such routes and facilities as the Company may elect. Special Facilities Routing is involved when, in order to comply with requirements specified by the customer, the Company provides **BellSouth SWA** Service and Special Access (*a.k.a BellSouth SPA*) Service in a manner which includes one or more of the following conditions:
1. Diversity
Two or more services must be provided over not more than two different physical routes.
 2. Avoidance
A service must be provided on a route which avoids specified geographical locations.
 3. Cable-Only Facilities
Certain Voice Grade services are provided on Cable-Only Facilities to meet the particular needs of a customer. Service is provided subject to the availability of Cable-Only Facilities. In the event of service failure, restoration will be made through the use of any available facilities as selected by the Company.
- B. Avoidance and Diversity are available on BellSouth SWA Service as set forth in Section E6. preceding; Metallic, Telegraph Grade, Voice Grade (a.k.a BellSouth SPA DSO VG), Digital DATA (a.k.a. BellSouth SPA DSO Data), and High Capacity Special Access (a.k.a. BellSouth SPA High Capacity) services as set forth in Section E7. preceding. Cable-Only Facilities are available for BellSouth SWA Service as set forth in Section E6. preceding and Voice Grade Special Access Services (a.k.a BellSouth SPA DSO VG) as set forth in E7.2.3. preceding.
- C. In order to avoid the compromise of special routing information, the Company will provide the required routing information for each specially routed service to only the ordering customer. If requested by the customer, this information will be provided when service is installed and prior to any subsequent changes in routing.
- D. The offering of Special Facilities Routing of Access Services contemplates the use of existing facilities. Should facilities not be available, it may be necessary to construct such facilities, either as (1) normal or (2) Special Construction. If Special Construction is involved, the regulations, as set forth in Section E14. following apply. However, the applicable rates and charges shall be filed in this section of this Tariff, not Section E14. following. In either case of (1) or (2) preceding, the rates and charges for administration and any other specific items of cost directly attributable to the provision of this service shall be filed in this section also.
- E. The rates and charges for Special Facilities Routing of Access Services are in addition to all other rates and charges that may be applicable for services provided under other sections of this Tariff.

E11.2 Rates and Charges

The rates and charges for Special Facilities Routing of Access Services are as follows:

E11.2.1 Diversity

For each service provided in accordance with E11.1.1 preceding, the rates and charges will be developed on an individual case basis.

E11.2.2 Avoidance

For each service provided in accordance with E11.1.1 preceding, the rates and charges will be developed on an individual case basis.

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ACCESS SERVICE TARIFF FOR THE STATE OF KENTUCKY

EXPLANATION OF ABBREVIATIONS

Symbol	Explanation
ac	Alternating current
a.k.a	also known as
AML	Actual Measured Loss
ANI	Automatic Number Identification
AT&T	American Telephone and Telegraph Company
B8ZS	Bipolar with 8 Zero Substitution
BCLID	Bulk Calling Line Information Delivery
BD	Business Day
BHMC	Busy Hour Minutes of Capacity
BNA	Billing Name and Address
BOC	Bell Operating Company
BSA	Basic Serving Arrangement
BSE	Basic Service Element
CAR	Change Activity Register
CARE	Customer Account Record Exchange
CAROT	Centralized Automatic Reporting on Trunks
CCC	Clear Channel Capability
CI	Changes Interface
CNA	Customer Name and Address
CO	Central Office
COCTX	Central Office Centrex Type Services
Cont'd	Continued
CPE	Customer Provided Equipment
CTX	Centrex Type Services
DA	Directory Assistance
dB	decibel
dBrnC	Decibel Reference Noise C Message Weighting
dBrnCO	Decibel Reference Noise C Message Weighted 0
dBv	Decibel(s) Relative to 1 Volt (Reference)
dBvl	Decibel(s) Relating to 1 Volt (Reference)
dc	direct current
DID	Direct Inward Dialing
DOD	Direct Outward Dialing
DNAL	Dedicated Network Access Line
EDD	Envelope Delay Distortion
ELEPL	Equal Level Echo Path Loss
EML	Expected Measured Loss
EPL	Echo Path Loss
ERL	Echo Return Loss
ESS	Electronic Switching System
ESSX	Electronic Switching System Exchange

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