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E2. GENERAL REGULATIONS**E2.4 Payment Arrangements and Credit Allowances (Cont'd)****E2.4.9 Optional Payment Plan****A. Channel Services Payment Plan****1. General**

- a. The regulations specified herein are applicable to Special Access (*a.k.a. BellSouth SPA*) facilities as indicated in the appropriate sections of this Tariff for channel services.
- b. Facilities furnished under the Channel Services Payment Plan (CSPP) are subject to all general regulations applicable to the provision of service by the Company as stated elsewhere in this Tariff except as noted herein.
- c. The CSPP is a payment plan which allows customers to pay fixed or variable rates for channel service equipment and facilities over variable contractual payment periods. A specific monthly rate applies for the duration of each period as follows or as specified otherwise in this Tariff.
 - (1) 36 month Term Payment Plan - payment periods may be selected from 24 months to 48 months in length, at 36 month rates and charges.² (N)
 - (2) 60 month Term Payment Plan - payment periods may be selected from 49 months to 72 months in length, at 60 month rates and charges.^{1,2} (N)
 - (3) 84 month Term Payment Plan - payment periods may be selected from 73 months to 96 months in length, at 84 month rates and charges.^{1,2} (N)
- d. When the customer extends service beyond a 96 month¹ service period, the 84 month¹ Term Payment Plan (or the longest available tariffed service period) rates will apply.
- e. When the customer orders service to be provided under a CSPP arrangement, the customer must designate to the Company the payment plan and the service period desired, e.g. 84 month Term Payment Plan and 96 months.¹

2. Application of Rates and Charges

- a. Rates stabilized under a CSPP arrangement are exempt from Company-initiated increases, however, decreases for any rate element will automatically flow through to the customer. Effective with this Tariff, customers under a CSPP arrangement will be billed the lower of their existing CSPP rates or the current CSPP rates for their service arrangement.
- b. In the event that all or any part of a service is disconnected at customer request prior to expiration of any selected payment period of greater than one month's duration, the customer will be required to pay a termination charge as stated in that service's section of this Tariff.
- c. When customers renew or change the length of their payment period, the rates applicable for the new period are those currently in effect at the time of the renewal or change in the length of the payment period.
- d. Recurring rates and nonrecurring charges apply according to the appropriate schedules for services offered as associated items to Channel Services, and are filed elsewhere in this Tariff.
- e. Customer requests for inside moves of service will not affect the contract period.
- f. A change in jurisdiction will not constitute a disconnect of service provided the new CSPP arrangement is a minimum 24 month service period or equals/exceeds the remaining service period, whichever is greater, provided the new CSPP arrangement is for the same customer at the same location for the same capacity service.

Note 1: Effective December 16, 2013, Customers may not establish new term plans greater than 36 months for Digital Data, Derived Data Channel Service, High Capacity Service, BellSouth SPA CNM-FlexServ, and SMARTPath term plans may not be renewed for a term greater than 36 months.

Note 2: Effective March 28, 2019, Customers may not: (1) Establish CSPPs for Derived Data Channel Service, Digital Data Access Service and BellSouth SPA CNM-FlexServ Service, (2) Convert or renew CSPPs for Derived Data Channel Service, Digital Data Access Service, FlexServ Service, High Capacity Service and SMARTPath Service, and 3) Establish CSPPs for SMARTPath Service greater than 36 months.

(N)
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(N)

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TELECOMMUNICATIONS
TENNESSEE

ACCESS SERVICES TARIFF

Second Revised Page 18.2.1
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E2. GENERAL REGULATIONS

E2.4 Payment Arrangements and Credit Allowances (Cont'd)

E2.4.9 Optional Payment Plan (Cont'd)

A. Channel Services Payment Plan (Cont'd)

5. Moves of Equipment

- a. The appropriate nonrecurring charges for inside moves for items associated with channel services as specified in this and other Tariffs are applicable. This type movement will not affect the contract period.
- b. Customer requests for moves of service(s) under CSPP, other than inside moves, will be subject to the conditions stated in 11. following.

6. Requests for Changes in Length of Optional Payment Period

- a. Subsequent to the establishment of a contract with a CSPP period, and prior to the completion of that period, the existing payment period may be replaced by:
 - (1) A currently offered payment period at the current rates, with a length equal to or longer than the time remaining in the existing service agreement, subject to the following conditions:
 - No credit will be given for payments made during the formerly selected period.
 - The new payment period begins with the new CSPP effective date.
 - No termination charge applies for the remaining portion of the former payment period.
 - Nonrecurring charges will not be reapplied.
 - (2) A currently offered payment period at the current rates, with a length shorter than the time remaining in the existing service agreement, subject to the following conditions:
 - No credit will be given for payments made during the formerly selected period.
 - The new payment period begins with the new CSPP effective date.
 - A termination charge applies for the remaining portion of the former payment period.
 - Nonrecurring charges will not be reapplied.

7. Renewal Options

- a. The customer has the following renewal¹ options: (N)
 - (1) Prior to completion of the current payment period, any period available under the CSPP may be selected at the rates in effect for new customers at the time of the renewal.¹ The customer will be charged the current rate for the newly selected payment period, commencing the day following completion of the prior payment period. (N)
 - (2) Service may be continued on a month-to-month basis at the current rate for the one-month payment period, unless otherwise specified in this Tariff. The customer has no additional service commitment and, consequently, when service is terminated will not be subject to any termination charge. The one-month service will be subject to Company-initiated rate adjustments when approved by the appropriate regulatory authority. (T)
 - (3) If the customer does not elect an additional payment period or does not request discontinuance of service, service will be continued at the monthly rate currently in effect for the month-to-month payment rate, under the terms specified in (2) preceding.

Note 1: Effective March 28, 2019, Customers may not: (1) Establish CSPPs for Derived Data Channel Service, Digital Data Access Service and BellSouth SPA CNM-FlexServ Service, (2) Convert or renew CSPPs for Derived Data Channel Service, Digital Data Access Service, FlexServ Service, High Capacity Service and SMARTPath Service, and (3) Establish CSPPs for SMARTPath Service greater than 36 months. (N)

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E2. GENERAL REGULATIONS

E2.4 Payment Arrangements and Credit Allowances (Cont'd)

E2.4.9 Optional Payment Plan (Cont'd)

A. Channel Services Payment Plan (Cont'd)

7. Renewal Options (Cont'd)

- b. Nonrecurring charges are not applicable for services renewed under the CSPP. Any new services added at the time of renewal will be subject to all appropriate nonrecurring charges.
- c. The Company may discontinue or change any or all renewal options with approval of the appropriate regulatory authority.
- d. When a customer renews a CSPP arrangement, the rates and charges in effect on the first day of service of the renewal will apply.
- e. Recognition of previous service will be given to customers who renew an existing CSPP arrangement, for the same or larger system(s) and all associated rate elements at the same location(s), provided that the length of the new CSPP arrangement is a minimum 24 month service period or equals/exceeds the remaining service period of the original CSPP arrangement, whichever is greater. An example of a larger system is the renewal of an Analog Voice Grade (*a.k.a. BellSouth SPA DS0 VG*) service with a DS1 High Capacity (*a.k.a. BellSouth SPA DS1*) service.
- f. Recognition of previous service will be given to month-to-month customers with a service date of January 1, 1994 or later who convert to a CSPP arrangement, provided the minimum service period has been met. For customers whose service date is January 1, 1994 or earlier, recognition will be given for the previous service back to January 1, 1994. For customers whose service date is later than January 1, 1994, recognition for the previous service will be given back to the actual service date.
- g. To determine the appropriate CSPP Payment Plan for the renewed arrangement, recognition of service will consist of the sum of months in service of the completed service arrangement and the sum of the months of the proposed service period of the CSPP arrangement. For example, a CSPP arrangement for a 36-month service period under the 36 month Term Payment Plan is renewed for 24 months with no changes at the end of the 36 month period. The sum of months for the completed and proposed service periods would equal 60 months^{1, 2} and would be billed under the 60 month Term Payment Plan. Another example is a Month-to-Month customer, in service for 15 months, who wishes to convert to a 60-month^{1, 2} CSPP arrangement with no changes. The combined service period of the Month-to-Month arrangement and the CSPP arrangement is equal to 75 months,^{1, 2} which would be billed under the 84 month Term Payment Plan. (N)

8. Transfer of Service

- a. Service may be transferred to a new customer at the same location upon prior written concurrence by the new customer as specified in this Tariff. This does not constitute a disconnect of service or a discontinuance of an existing CSPP arrangement. The new customer will be subject to all provisions and equipment configurations currently in effect for the previous customer. Regulations concerning transfer of service between subscribers as stated in other sections of this Tariff also apply under CSPP. (N)

Note 1: Effective December 16, 2013, Customers may not establish new term plans greater than 36 months for Digital Data, Derived Data Channel Service, High Capacity Service, BellSouth SPA CNM-FlexServ, and SMARTPath term plans may not be renewed for a term greater than 36 months.

Note 2: Effective March 28, 2019, Customers may not: (1) Establish CSPPs for Derived Data Channel Service, Digital Data Access Service and BellSouth SPA CNM-FlexServ Service, (2) Convert or renew CSPPs for Derived Data Channel Service, Digital Data Access Service, FlexServ Service, High Capacity Service and SMARTPath Service, and (3) Establish CSPPs for SMARTPath Service greater than 36 months. (N)

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E2. GENERAL REGULATIONS

E2.6 Definitions (Cont'd)

MINUTES OF USE

See Access Minutes

MOBILE TELEPHONE SWITCHING OFFICE (MTSO)

The term "Mobile Telephone Switching Office (MTSO)" denotes a Cellular Mobile Carrier (CMC) switching system that is used to terminate mobile stations for purposes of interconnection to each other and to trunks interfacing with the public switched network.

MULTIPOINT CHANNEL

The term "Multipoint Channel" refers to any connection which terminates three or more circuits on the same bridging node.

NETWORK CONTROL SIGNALING

The term "Network Control Signaling" denotes the transmission of signals used in the telecommunications system which perform functions such as supervision (control, status, and charge signals), address signaling (e.g., dialing), calling and called number identifications, rate of flow, service selection error control and audible tone signals (call progress signals indicating re-order or busy conditions, alerting, coin denominations, coin collect and coin return tones) to control the operation of switching machines in the telecommunications system.

NETWORK INTERFACE

Network Interface is a standard jack provided by the Company as a part of exchange access, *BellSouth SWA* WATS, or Private Line Services for the connection of customer terminal equipment and premises wiring to the telephone network. The Network Interface will be located at the demarcation point.

NON-DIGITAL SINGLE SPECIAL ACCESS (A.K.A. *BELLSOUTH SPA*)

A dedicated analog special access (*a.k.a. BellSouth SPA*) service comprised of Voice Grade (*a.k.a. BellSouth SPA DS0 VG*). (D)

NONSYNCHRONOUS TEST LINE

The term "Nonsynchronous Test Line" denotes an arrangement in step-by-step end offices which provides operational tests which are not as complete as those provided by the synchronous test lines, but which can be made more rapidly.

NORTH AMERICAN NUMBERING PLAN

The term "North American Numbering Plan" denotes a 3-digit area or Numbering Plan Area code and a 7-digit telephone number made up of a 3-digit Central Office code plus a 4-digit station number.

OFF-HOOK

The term "Off-hook" denotes the active condition of *BellSouth SWA* or a Telephone Exchange Service line.

ON-HOOK

The term "On-hook" denotes the idle condition of *BellSouth SWA* or a Telephone Exchange Service line.

**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)

- b. The critical dates tracked by the Company are as follows: (Cont'd)

Plant Test Date (PTD): The date on which overall testing of the service is to be started.

Engineering Information Report Date (EIRD): The date the engineering group in another ISS area provides information to the primary engineering group.

Service Date (DD): The date on which service is to be made available to the customer. This is sometimes referred to as the Due Date.

Designed, Verified, and Assigned Date (DVA): The date by which field implementation groups must report that all documents and materials have been received.

Frame Continuity Date (FCD): Date on which frame-to-frame testing must be completed. This is sometimes referred to as the Facility Continuity Check Date.

Loop Assignment and Make-up Date (LAM): The date by which Local Loop Assignment and Make-up information must be available.

Confirming Design Layout Report Date (CDLRD): The date the Design Layout Report (DLR) is to be confirmed by the customer.

- c. The percentage of the total provisioning cost incurred by the Company at a particular critical date varies by the type of service as shown in d. following.
- d. When a customer cancels an access order, or part of an access order, before the service date, the Company will apply cancellation charges to the order. Cancellation charges are calculated by multiplying all the nonrecurring charges associated with the order, or that part of the order being cancelled, by the percentage shown in e. following for the critical date last completed on the order. As set forth in E5.2.4.B. when a customer cancels an order prior to the Design Layout Report Date, no cancellation charges shall apply.
- e. Cancellation Charge Percentages

Type Service/ Critical Dates	After: Before:	APP	SID	LAM	EIRD	DLRD	RID
		SID	LAM	EIRD	DLRD	RID	DVA
SPECIAL ACCESS (A.K.A. BELLSOUTH SPA)							
WATS (a.k.a. BellSouth SPA)		1.60%	4.70%	6.60%	9.50%	13.20%	18.70%
Voice Grade (a.k.a. BellSouth SPA DS0 VG)		1.60%	4.70%	6.60%	9.50%	13.20%	18.70%
Program Audio (a.k.a. BellSouth SPA Program Audio)		1.40%	4.10%	5.80%	8.30%	11.50%	16.20%
High Capacity (a.k.a. BellSouth SPA High Capacity)		12.90%	29.20%	33.10%	35.50%	37.50%	42.90%
Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data)		1.50%	4.60%	6.10%	9.20%	13.50%	18.60%
BellSouth Metro Ethernet Service		11.60%	33.10%	42.90%	44.80%	47.30%	53.10%
BELLSOUTH SWA							
Trunks or Lines		2.40%	6.20%	7.50%	14.40%	22.20%	29.40%
High Capacity (a.k.a. BellSouth SPA High Capacity)		12.90%	29.20%	33.10%	35.50%	37.50%	42.90%
Facilities							
BellSouth Wavelength Service		12.90%	29.20%	33.10%	35.50%	37.50%	42.90%

(D)
(D)

**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 (Cont'd)

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)		33.20%	44.60%	56.60%	83.60%	100.00%
Voice Grade (a.k.a. BellSouth SPA DS0 VG)		33.20%	44.60%	56.60%	83.60%	100.00%
Program Audio (a.k.a. BellSouth SPA Program Audio)		28.00%	37.10%	49.50%	80.50%	100.00%
High Capacity (a.k.a. BellSouth SPA High Capacity)		55.70%	66.20%	69.90%	86.20%	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		55.70%	66.20%	69.90%	86.20%	100.00%
BellSouth Wavelength Service		55.70%	66.20%	69.90%	86.20%	100.00%

(D)
(D)

5. The provisions of Sections E5.2.4.B.1-4 above shall not apply to cancellations of Access Orders for AT&T Switched Ethernet Service. Cancellation charges for AT&T Switched Ethernet Service are applied based upon the tiered fee schedule outlined below. When a customer cancels an Access Order (or a part of an order) for AT&T Switched Ethernet Service, cancellation charges will apply, even when nonrecurring installation charges would otherwise be waived. Cancellation charges will be calculated based on the number of calendar days between the Company's receipt of the Access Order and the cancellation date. A cancellation charge will apply on a per port connection basis as shown in the table below:

USOC	Cancellation Date – Calendar Days After Receipt of Order	Cancellation Charge (Per Port Connection)
NRFSC	0-10	\$0.00
NRFSD	11-30	\$0.00
NRFSE	31-60	\$2,000.00
NRFSE	61+	\$3,000.00

- C.** When a customer cancels an order service for BellSouth Dedicated Ring, SMARTRing service (a.k.a. BellSouth Dedicated Ring) or BellSouth Wavelength Service prior to the beginning of the selected service period, the customer will be liable for all capital expenses incurred by the Telephone Company in provisioning the BellSouth Dedicated Ring, SMARTRing service (a.k.a. BellSouth Dedicated Ring), or BellSouth Wavelength Service as of the date the order is canceled by the customer. The charges billed to the customer will not exceed an amount equal to the minimum period for the service as set forth in Section E5.2.6 following, and Section 6.7.2 of Tariff FCC No. 1, and Sections E7.4 and E29.1.2 of this intrastate Tariff at the month-to-month rates set forth in Section 6.8 of Tariff FCC No. 1, and Sections E7.5 and E29.1.6 of this intrastate Tariff. Such charges will be billed in addition to and subsequent to the cancellation charges set forth in B. preceding.
- D.** When a customer cancels an order for the discontinuance of service, no charges apply for the cancellation.
- E.** If the Company misses a service date by more than thirty days due to circumstances over which it has direct control (excluding, e.g., acts of God, governmental requirements, work stoppages and civil commotions), the customer may cancel the Access Order without incurring cancellation charges.

E5.2.5 Selection Of Facilities For Access Orders

- A.** When a customer places an access order, the customer may choose to utilize facilities it previously purchased. If the customer has a high capacity interface, or has purchased a facility, the customer must request that specific channels be used to implement the Access Order. If a facility assignment is not provided by the customer, the Company will provide the service from available inventory as discussed in Section E5.3.

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

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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

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

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

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

For purposes of ordering channels, each has been identified as a type of Special Access (a.k.a. BellSouth SPA) service. However, such identification is not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use. (D)

Following is a brief description of each type of channel: (D)

Voice Grade (a.k.a. BellSouth SPA DS0 VG) - a channel for the transmission of analog signals within an approximate bandwidth of 300-3000 Hz. (D)

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

Wired Music – 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. (D)

Digital Data Access (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. (T)

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

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

Note 1: Company Centrex Type Services switches 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 (a.k.a. BellSouth SPA WATS Line) access lines are considered to be Special Access (a.k.a. BellSouth SPA) service.

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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 (*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 (*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., WATS Access Line (*a.k.a. BellSouth SPA WATS Line*) and Wired Music and for digital services (i.e., Digital Data Access (*a.k.a. BellSouth SPA DS0 Digital Data*), WATS Access Line (*a.k.a. BellSouth SPA WATS Line*) 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 (*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. The ordering option available to the customer in the provision of Special Access (*a.k.a. BellSouth SPA*) service is:
 1. Access Order
- B. This option is 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.).

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

E7.2 Service Descriptions

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

- Voice Grade (a.k.a. BellSouth SPA DS0 VG) (VG)
- Wired Music (AP)
- Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data) service (DDAS)
- High Capacity (a.k.a. BellSouth SPA High Capacity) (HC)
- WATS Access Line (a.k.a. BellSouth SPA WATS Line) (WAL)
- Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) service
- Self-Healing Rings (SMARTRing service [a.k.a. BellSouth Dedicated Ring])

Each service consists of a basic channel to which a predefined technical specifications package, channel interface(s) and, when desired, optional features and functions are added to construct the service desired by the customer. Each of the components of the service are described in this section. 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. **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 customer designated premises or between a customer 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 above in parentheses following the category of Special Access (a.k.a. BellSouth SPA) service. The number "1" following the two-letter code indicates the technical specifications package for a voice grade service. An alphanumeric 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.

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.

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

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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:

Voice Grade (a.k.a. BellSouth SPA DSO VG)	TR-NPL-000335 PUB 41004, Table 4	(D) (D)
Wired Music	TR-NPL-000337	(T)
Digital Data Access (a.k.a. BellSouth SPA DSO Digital Data) For 2.4, 4.8, 9.6 and 56.0 Kbps For 19.2 Kbps	TR-NPL-000341 BellCore PUB 62310	
For 64.0 Kbps High Capacity (a.k.a. BellSouth SPA High Capacity)	INC. BULLETIN CB-INC-100 AT&T PUB 62310 TA-TSY -000342	
WATS Access Line (a.k.a. BellSouth SPA WATS Line) Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) Service	TR-NPL-000054 TR-NPL-000334 BellSouth TR-73548 BellSouth TR-73548, Addendum 1	

E7.2.1 Reserved for Future Use

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

E7.2 Service Descriptions (Cont'd)

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E7.2.2 Reserved for Future Use

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

E7.3 Channel Interface And Network Channel Codes

This section explains the Channel Interface codes and Network Channel codes that the customer must specify when ordering Special Access (a.k.a. BellSouth SPA) service. Included is an example which explains the specific characters of the code, a glossary of Channel Interface codes, impedance levels, Network Channel codes and compatible Channel Interfaces.

Example: If the customer specifies a NT Network Channel Code and a 2DC8-3 Channel Interface at the customer's premises, the following is being requested:

DC = Facility interface for direct current or voltage

8 = Variable impedance level

3 = Metallic facilities (DC continuity) for direct current/low frequency control signals or slow speed data (30 baud)

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E7.3.1 Glossary Of Channel Interface Codes And Options

Code - Option	Definition
AB -	Accepts 20 Hz ringing signal at customer's point of termination
AC -	Accepts 20 Hz ringing signal at the customer's end user's point of termination
CS -	Digital hierarchy interface at Digital Crossconnect 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 Reconfigurable Voice Grade Service
- 10R	DS1 to DS0 Customer Reconfigurable
- 10	DS1 to DS0
- 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
CT -	Centrex Type Services Tie Trunk Termination

Material appearing on this page previously appeared on page(s) 22.5 of this section.

All BellSouth marks contained herein and as set forth in the trademarks and servicemarks section of this Tariff are owned by BellSouth Intellectual Property Corporation.

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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. The rates and charges are described as follows:

1. Monthly Rates

Monthly rates are flat recurring rates that apply each month or fraction thereof that a Special Access (a.k.a. BellSouth SPA) service is provided. For billing purposes, each month is considered to have 30 days.

Digital Data Access² (a.k.a. BellSouth SPA DS0 Digital Data) service and Derived Data Channel Service are offered under two contract plans. Contract plan rates are available in payment periods from twenty-four to forty-two months¹ and in payment periods from forty-three to sixty months^{1,2} under conditions specified in the Channel Services Payment Plan in E2.4 of this Tariff. (These payment periods are an exception to those listed in E2.4 of this Tariff.)

Termination Liability charges will not apply for customer requests for moves of service under CSPP subject to the provisions set forth in E2.4.9.A.11. preceding. However, a Termination Liability Charge is applicable at the date of termination if the customer terminates or disconnects the service prior to fulfilling the period of the contract plan except as specified in b. following. For a tariff term plan entered into prior to April 3, 2001 the Termination Liability Charge is determined by multiplying the contracted monthly rate times the number of months in the contract plan, less the contracted monthly rate times the number of months the service has been installed. An example is provided in a. following.

- a. A customer subscribes to Digital Data Access² (a.k.a. BellSouth SPA DS0 Digital Data) service using the twenty-four to forty-two month^{1,2} payment plan. The contract plan period is for thirty months². The subscriber terminates the service after twelve months. The total liability charge is thirty 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 twelve months. Therefore, the Termination Liability Charge is calculated as follows:

$$\text{Termination Liability Charge} = (30 \text{ months} \times \text{monthly rate}) - (12 \text{ months} \times \text{monthly rate})$$

- b. A Termination Liability Charge will not be applicable at the date of termination if the customer terminates or disconnects the service prior to fulfilling the period of the contract plan for customer requested changes to a higher order of service covered by the Channel Services Payment Plan as specified in E2.4.9.A.4.b, or customer requested changes to services not covered by the Channel Services Payment Plan 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 are satisfied.

Contract rates are available for 1.544 Mbps High Capacity² (a.k.a. BellSouth SPA DS1) service for variable periods, with rates based on lengths of 36 months, 60 months,^{1,2} or 84 months^{1,2} under conditions specified in the Channel Service Payment Plan in E2.4 of this Tariff. A Termination Liability Charge is applicable at the date of termination. The applicable charge for a tariff term plan entered into prior to April 3, 2001, will be equal to the number of months remaining in the contract times the monthly contract rate. However, Termination Liability charges will not apply for customer requests for moves of service under CSPP subject to the provisions set forth in E2.4.9.A.11. preceding.

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

Note 1: Effective November 9th, 2013, customers may not establish new term plans greater than 36 months and term plans may not be renewed greater than 36 months.

Note 2: Effective March 28, 2019, Customers may not convert, renew or establish CSPPs for Digital Data Access Service. Customers may not convert or renew CSPPs for High Capacity Service.

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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)

4. Service Rearrangements

Service rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements as set forth in E5.2.6 of this Tariff 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 E7.4.5 following. A change which results from a transfer of service is described and charged as set forth in 5. and E7.5.13 following.

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service.

Administrative changes, identified as follows, will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Access Service to the same entity (i.e., customer remains responsible for all outstanding indebtedness for the Access Service). Administrative changes are as follows:

- Change of customer name (i.e., the customer of record does not change but rather the customer of record changes its name -- e.g., AT&T-Long Lines to AT&T-Communications),
- Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of equipment,
- Change in billing data (name, address, or contact name or telephone number, the customer of record does not change),
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user contact name or telephone number, and
- Change of jurisdiction, 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 month¹ service period or equals/exceeds the remaining contract period, whichever is greater.

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

- If the change involves the addition of other customer designated premises to an existing multipoint service, the nonrecurring charge for the Local Channel rate element(s) being added will apply. Nonrecurring charges for interoffice channel mileage may also apply.
- If the change involves the addition of other customer designated premises to an existing two-point service, resulting in a multipoint circuit configuration, the nonrecurring charge for the local channel rate element(s) being added will apply. Nonrecurring charges for interoffice channel mileage may also apply.
- If the change involves the disconnection of a customer designated premises from an existing multipoint circuit resulting in a two-point circuit configuration, no charges will apply.
- If the change involves the addition of optional features or functions which have separate nonrecurring charges, the nonrecurring charges for the optional features or functions added will apply.
- If the change involves changing (reconfiguring) an existing BellSouth Metro Ethernet service Connection, appropriate charges provided in E7.4.32 following apply.
- 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 of this Tariff shall apply.

Note 1: Effective March 28, 2019, Customers may not: (1) Establish CSPPs for Derived Data Channel Service, Digital Data Access Service and BellSouth SPA CNM-FlexServ Service, (2) Convert or renew CSPPs for Derived Data Channel Service, Digital Data Access Service, FlexServ Service, High Capacity Service and SMARTPath Service, and 3) Establish CSPPs for SMARTPath Service greater than 36 months.

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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 Grade (*a.k.a. BellSouth SPA DS0 VG*) facilities or digital high capacity (*a.k.a. BellSouth SPA 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., Voice (*a.k.a. BellSouth SPA DS0 VG*), Wired Music, 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 Grade (*a.k.a. BellSouth SPA DS0 VG*), not High Capacity (*a.k.a. BellSouth SPA High Capacity*).

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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 Grade (*a.k.a. BellSouth SPA DS0 VG*) 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 Systems 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 LightGate® (*a.k.a. BellSouth SPA Point to Point Network*) and SMARTRing® services (*a.k.a. BellSouth SPA Dedicated Ring*), 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.

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 channelization System and DDAS (*a.k.a. BellSouth SPA DS0 Digital Data*) Central Office Channel Interface are required for high speed or low speed DDAS (*a.k.a. BellSouth SPA DS0 Digital Data*) activations when channelized from a DS1 (1.544 Mbps) channel. A DS0 Basic Channelization System and Subrate Central Office Channel Interface are required for subrate activations of 2.4, 4.8 and 9.6 Kbps when channelized from a DS0 (64 Kbps) channel. When cascading channelization is performed at different Hubbing locations, Interoffice Channel charges also apply between the Hubs.

Although not requiring channelization, the Company will designate certain hubs for Wired Music services. A customer can order service(s) between customer designated premises and a hub and will be billed accordingly at the rates set forth in E7.5.4 and 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. In addition, for Wired Music services, rates for optional features and functions may be applicable.

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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 (a.k.a. BellSouth SPA 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 (a.k.a. BellSouth SPA High Capacity) facility through a common interface. When the customer orders Special Access (a.k.a. BellSouth SPA) service, the facility will be ordered and 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, if applicable) until such time as the customer 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, and Interoffice Channel rates will be reduced accordingly (e.g., 1/24th for a DS1 service, etc.). The customer must place an order for each individual BellSouth SWA Channel 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 of the shared use facility to the hub, High Capacity (a.k.a. BellSouth SPA 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 (a.k.a. BellSouth SPA DS0 VG), etc.). The applicable rates and charges will include a Local Channel and Interoffice Channel, and appropriate channelization elements, if applicable. (D)

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 (a.k.a. BellSouth SPA DS0 VG) equivalent trunks/lines of that rate element used for BellSouth SWA access.

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

The system reduction factor will be derived by dividing the number of activated BellSouth SWA access circuits by the voice grade (a.k.a. BellSouth SPA DS0 VG) channel equivalent capacity of the self-healing ring. An OC-1 SMARTRing service (a.k.a. BellSouth Dedicated Ring) has 672 voice grade (a.k.a. BellSouth SPA DS0 VG) equivalent channels. An OC-3 SMARTRing service (a.k.a. BellSouth Dedicated Ring) has 2,016 voice grade (a.k.a. BellSouth SPA DS0 VG) equivalent channels. An OC-3+ or OC-12 SMARTRing service (a.k.a. BellSouth Dedicated Ring) has 8,064 voice grade equivalent channels. An OC-48 SMARTRing service (a.k.a. BellSouth Dedicated Ring) or OC-48+ SMARTRing service (a.k.a. BellSouth Dedicated Ring) with 48 or less activated DS3s has 32,256 voice grade (a.k.a. BellSouth SPA DS0 VG) equivalent channels. However, when an OC-48+ SMARTRing 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 (a.k.a. BellSouth SPA DS0 VG) equivalent capacity of the DS3 channel. A DS3 has 672 voice grade (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 (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.

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.

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ACCESS SERVICES TARIFF

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

E7.4 Rate Regulations (Cont'd)

E7.4.17 SMARTPath Service (a.k.a. BellSouth SPA Shared Ring)

A. Application of Rates

Monthly rates and charges as specified in E7.5.17 following apply for each SMARTPath service (a.k.a. BellSouth SPA Shared Ring). The transport provided with a SMARTPath service² (a.k.a. BellSouth SPA Shared Ring) Area is provided at 1.544 Mbps. Rate categories include a SMARTPath service (a.k.a. BellSouth SPA Shared Ring) Area Connection, and a SMARTPath service (a.k.a. BellSouth SPA Shared Ring) Area Junction. (N)

The SMARTPath service (a.k.a. BellSouth SPA Shared Ring) Area Connection rate element provides for the connection at the designated premises where the customer gains access to SMARTPath service (a.k.a. BellSouth SPA Shared Ring) and transport to a designated junction on the network. The SMARTPath service (a.k.a. BellSouth SPA Shared Ring) Area Junction rate element provides for the connection between the SMARTPath service (a.k.a. BellSouth SPA Shared Ring) network and (1) another customer designated premises, in the same SMARTPath service (a.k.a. BellSouth SPA Shared Ring) Area or (2) a serving wire center in the same SMARTPath service (a.k.a. BellSouth SPA Shared Ring) Area for connection to (a) DS1 Basic Channelization, FlexServ² service (a.k.a. BellSouth SPA Customer Reconfiguration), SMARTRing service (a.k.a. BellSouth Dedicated Ring) or DS3 service as provided in Section E7. of this Tariff, or (b) a SMARTPath service (a.k.a. BellSouth SPA Shared Ring) Area Junction of another SMARTPath service (a.k.a. BellSouth SPA Shared Ring) area in the same Metropolitan Area. (N)

Recurring and nonrecurring charges apply for each SMARTPath service (a.k.a. BellSouth SPA Shared Ring) Area Connection and SMARTPath service (a.k.a. BellSouth SPA Shared Ring) Area Junction.

SMARTPath service (a.k.a. BellSouth SPA Shared Ring) is available under several payment plans: Month-to-month (with a 4 month minimum), Plan A (24-48 Months),^{1, 2} or Plan B (49-72 Months).^{1, 2} Plan A^{1, 2} and Plan B^{1, 2} are provided under conditions specified in the Channel Services Payment Plan (CSPP) E2.4.9.A. preceding. (N)

The rates applicable to a month-to-month payment plan are subject to Company initiated changes. Rates stabilized under CSPP are exempt from Company initiated increases, however, decreases for any rate element will automatically flow through to the customer.

A Termination Liability Charge will be applicable if services provided under a CSPP arrangement are disconnected prior to the end of the chosen service period.

The Termination Liability Charge for a tariff term plan entered into prior to April 3, 2001, is equal to the applicable rate per rate element for the current contract multiplied by the difference in months between the time the CSPP contract has been in effect and the minimum contract length multiplied times a factor. The factor is 50 percent for contracts that have been in effect twelve months or less, or 20 percent for contracts that have been in effect longer than twelve months.

For tariffed term plans entered into on or after April 3, 2001, a customer's liability for the termination of service prior to the time the customer's obligations under the tariff term plan would have otherwise been satisfied are set forth in E2.4.9.A.4. For tariffed term plans entered into before April 3, 2001, the customer's obligations for the termination of service prior to the time the customer's obligations under the term plan would have otherwise been satisfied is governed by the terms of the tariff that were in effect as of the date the customer entered the tariffed term plan.

A SMARTPath service (a.k.a. BellSouth SPA Shared Ring) performance credit, as specified in E2.4.4.B. *of this Tariff* will apply.

Virtual Collocation Cross-Connects provide a means for customers to interconnect their BellSouth SMARTPath service by means of central office cross-connect facilities. Cross-connect rates and charges to SMARTPath service are provided in E7.5 following.

Note 1: Effective November 9th, 2013, customers may not establish new term plans greater than 36 months for SMARTPath Service and term plans may not be renewed for a term greater than 36 months.

Note 2: Effective March 28, 2019, Customers may not: (1) Convert, renew or establish CSPPs for FlexServ Service and (2) Convert or renew CSPPs for SMARTPath Service. (N)

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

E7.5 Rates And Charges

E7.5.1 Reserved for Future Use

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BELLSOUTH
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ACCESS SERVICES TARIFF

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

E7.5 Rates And Charges (Cont'd)

(D)

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E7.5.2 Reserved for Future Use

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

E7.5 Rates And Charges (Cont'd)

(D)
|
(D)

E7.5.3 Voice Grade (a.k.a. BellSouth SPA DS0 VG) Service

A. Local Channel

- 1. Per Point of Termination
 - a. Voice Grade (a.k.a. BellSouth SPA DS0 VG)
 - (1) Voice

		Monthly Rate	Nonrecurring Charge		USOC
			First Service Installed	Additional Service Installed	
(a)	Two-Wire	\$33.00	\$258.50	\$110.00	T6E2X
(b)	Four-Wire	55.00	264.00	121.00	T6E4X
(2)	Data				
(a)	Two-Wire	44.00	286.00	132.00	T6E2X
(b)	Four-Wire	60.50	297.00	143.00	T6E4X
(3)	Loop Facilities Not Required ¹				
(a)	Two-Wire	13.20	137.50	79.20	EUC2N
(b)	Four-Wire	13.20	137.50	79.20	EUC4N

(T)

B. Interoffice Channel

- 1. Mileage Bands

		Fixed Monthly Charge	Monthly Charge Per Mile	Nonrecurring Charge	USOC
(a)	0 mile	\$-	\$-	\$-	1L5XX
(b)	1 thru 8 miles	38.50	2.48	105.60	1L5XX
(c)	9 thru 25 miles	38.50	2.48	105.60	1L5XX
(d)	Over 25 miles	38.50	2.48	105.60	1L5XX

(D)

(D)

Note 1: For connections to Company Centrex Type Services Switches and Equipment considered to be end-user premises.

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

E7.5 Rates And Charges (Cont'd)

E7.5.7 Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data) Service

A. Local Channel

1. Per Point of Termination

	Nonrecurring Charge		Month	24 to	43 to	USOC	(N)
	First	Add'l	to	42	60		
(a) 2.4 Kbps	\$330.00	\$115.00	\$55.00	\$49.00	\$47.00	T6ECS	
(b) 4.8 Kbps	330.00	115.00	55.00	49.00	47.00	T6ECS	
(c) 9.6 Kbps	330.00	115.00	55.00	49.00	47.00	T6ECS	
(d) 19.2 Kbps	330.00	115.00	55.00	49.00	47.00	T6ECS	
(e) 56.0 Kbps	330.00	115.00	75.00	65.00	60.00	T6ECS	
(f) 64.0 Kbps	330.00	115.00	75.00	65.00	60.00	T6ECS	

2. Hub Termination, per Local Channel

(a) 2.4 Kbps	61.00	54.00	10.00	9.75	9.50	TUTA4
(b) 4.8 Kbps	61.00	54.00	10.00	9.75	9.50	TUTB4
(c) 9.6 Kbps	61.00	54.00	10.00	9.75	9.50	TUTC4
(d) 19.2 Kbps	61.00	54.00	10.00	9.75	9.50	TUTE4
(e) 56.0 Kbps	61.00	54.00	30.00	28.00	26.00	TUTD4
(f) 64.0 Kbps	61.00	54.00	30.00	28.00	26.00	TUTF4

B. Interoffice Channel

1. 2.4 Kbps

Mileage Bands

	Fixed Monthly Charge	Monthly Charge Per Mile	Nonrecurring Charge	USOC
(a) 0 mile	\$-	\$-	\$-	1L5XX
(b) 1 thru 8 miles	20.00	2.05	39.00	1L5XX
(c) 9 thru 25 miles	20.00	2.00	39.00	1L5XX
(d) Over 25 miles	20.00	1.95	39.00	1L5XX

Note 1: Effective November 9th, 2013, customers may not establish new term plans greater than 36 months for Digital Data Access Service and term plans may not be renewed for a term greater than 36 months.

Note 2: Effective March 28, 2019, Customers may not convert, renew or establish CSPPs for Digital Data Access Service.

(N)

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

E7.5 Rates And Charges (Cont'd)

E7.5.7 Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data) Service (Cont'd)

B. Interoffice Channel (Cont'd)

5. 56 Kbps

Mileage Bands

		Fixed Monthly Charge	Monthly Charge Per Mile	Nonrecurring Charge	USOC
(a)	0 mile	\$-	\$-	\$-	1L5XX
(b)	1 thru 8 miles	40.00	4.10	39.00	1L5XX
(c)	9 thru 25 miles	40.00	4.00	39.00	1L5XX
(d)	Over 25 miles	40.00	3.90	39.00	1L5XX

6. 64.0 Kbps

Mileage Bands

(a)	0 mile	-	-	-	1L5XX
(b)	1 thru 8 miles	40.00	4.10	39.00	1L5XX
(c)	9 thru 25 miles	40.00	4.00	39.00	1L5XX
(d)	Over 25 miles	40.00	3.90	39.00	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^{2,3}	Fixed 43 to 60 Months^{2,3}	Per Mile 24 to 42 Months^{2,3}	Per Mile 43 to 60 Months^{2,3}	USOC
(a)	0 mile	\$-	\$-	\$-	\$-	\$-	1L5XX
(b)	1 thru 8 miles	39.00	19.50	19.00	1.90	1.75	1L5XX
(c)	9 thru 25 miles	39.00	19.50	19.00	1.85	1.70	1L5XX
(d)	Over 25 miles	39.00	19.50	19.00	1.80	1.65	1L5XX

8. 56.0 or 64.0 Kbps (Contract Rates)

Mileage Bands

(a)	0 mile	-	-	-	-	-	1L5XX
(b)	1 thru 8 miles	39.00	36.00	34.00	3.80	3.50	1L5XX
(c)	9 thru 25 miles	39.00	36.00	34.00	3.70	3.40	1L5XX
(d)	Over 25 miles	39.00	36.00	34.00	3.60	3.30	1L5XX

C. Optional Features and Functions

1. Bridging¹

		Nonrecurring Charge	Month to Month	24 to 42 Months^{2,3}	43 to 60 Months^{2,3}	USOC
(a)	2.4, 4.8, 9.6, 19.2, 56.0 Kbps	\$25.00	\$25.00	\$24.00	\$22.00	BCNDA

Note 1: The option is not available with 64.0 Kbps.

Note 2: Effective December 16, 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 3: Effective March 28, 2019, Customers may not convert, renew or establish CSPPs for Digital Data Access Service.

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

E7.5 Rates And Charges (Cont'd)

E7.5.7 Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data) Service (Cont'd)

- C. Optional Features and Functions (Cont'd)
 - 2. Digital Data Secondary Channel Capability, per Local Channel

	<table border="0"> <tr> <td style="width: 100px;"></td> <td style="text-align: center;">Month</td> <td style="text-align: center;">24 to</td> <td style="text-align: center;">43 to</td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">to</td> <td style="text-align: center;">42</td> <td style="text-align: center;">60</td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">Month</td> <td style="text-align: center;">Months^{3,4}</td> <td style="text-align: center;">Months^{3,4}</td> <td style="text-align: center;">USOC</td> <td style="text-align: center;">(N)</td> </tr> <tr> <td style="text-align: center;">(a) Each^{1,2}</td> <td style="text-align: center;">\$190.00</td> <td style="text-align: center;">\$15.00</td> <td style="text-align: center;">\$14.00</td> <td style="text-align: center;">\$13.00</td> <td style="text-align: center;">SFS</td> </tr> </table>		Month	24 to	43 to				to	42	60				Month	Months ^{3,4}	Months ^{3,4}	USOC	(N)	(a) Each ^{1,2}	\$190.00	\$15.00	\$14.00	\$13.00	SFS
	Month	24 to	43 to																						
	to	42	60																						
	Month	Months ^{3,4}	Months ^{3,4}	USOC	(N)																				
(a) Each ^{1,2}	\$190.00	\$15.00	\$14.00	\$13.00	SFS																				

- Note 1:** This option is not available with 64.0 Kbps.
- Note 2:** Nonrecurring charge is applicable only if Secondary Channel Service is being added subsequent to the installation of basic service.
- Note 3:** Effective November 9th, 2013, customers may not establish new term plans greater than 36 months for Digital Data Access Service and term plans may not be renewed for a term greater than 36 months.
- Note 4:** Effective March 28, 2019, Customers may not convert, renew or establish CSPPs for Digital Data Access Service. (N)

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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

A. Local Channel

1. Per Point of Termination

		Nonrecurring Charge		
	Monthly Rate	First Service Installed	Additional Service Installed	USOC
(a) 1.544 Mbps	\$106.00	\$735.00	\$335.00	TMECS
(b) 3.152 Mbps ¹	-	-	-	TWT++
(c) 6.312 Mbps ¹	-	-	-	TWT++
(d) 44.736 Mbps ¹	-	-	-	TWT++

2. Contract Rates Per Point Of Termination²

		Nonrecurring Charge				
	First	Additional	24 to 48 Months ^{3,4}	49 to 72 Months ^{3,4}	73 to 96 Months ^{3,4}	USOC
(a) 1.544 Mbps	\$735.00	\$335.00	\$106.00	\$104.00	\$102.00	TMECS (N)

B. Interoffice Channel

1. 1.544 Mbps

Mileage Bands

	Fixed Monthly Charge	Monthly Charge Per Mile	Nonrecurring Charge	USOC
(a) 0 mile	\$-	\$-	\$-	1L5XX
(b) 1 thru 8 miles	75.00	45.50	290.00	1L5XX
(c) 9 thru 25 miles	75.00	45.50	290.00	1L5XX
(d) Over 25 miles	75.00	45.50	290.00	1L5XX

Note 1: ICB rates and charges apply.

Note 2: Contract lengths are flexible to allow customer choice of payment period per E2.4.9.

Note 3: Effective December 16, 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 4: Effective March 28, 2019, Customers may not convert or renew CSPPs for High Capacity Service.

(N)

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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)

- B. Interoffice Channel (Cont'd)
 - 2. 1.544 Mbps (Contract Rates)^{1,2}
 - Mileage Bands**

		Fixed	24 to	49 to	73 to		
	Nonrecurring	Monthly	48	72	96	USOC	(N)
	Charge	Charge	Months ^{3,4}	Months ^{3,4}	Months ^{3,4}	1L5XX	
(a) 0 mile	\$-	\$-	\$-	\$-	\$-	1L5XX	
(b) 1 thru 8 miles	290.00	65.00	18.00	16.00	14.00	1L5XX	
(c) 9 thru 25 miles	290.00	65.00	18.00	16.00	14.00	1L5XX	
(d) Over 25 miles	290.00	65.00	18.00	16.00	14.00	1L5XX	

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

Note 2: Monthly rates are per mile.

Note 3: Effective December 16, 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 28, 2019, Customers may not convert or renew CSPPs for High Capacity Service.

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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 ^{2,3}	49 to 72 Months ^{2,3}	73 to 96 Months ^{2,3}	Nonrecurring Charge	USOC	(N)
(a) Asynchronous	\$12.00	\$8.00	\$7.00	\$6.00	\$155.00	1D3CA	
(b) Synchronous	36.00	31.00	28.00	25.00	135.00	1D3CS	
(2) DS1 Level Customer Channel Interface ¹							
(a) Asynchronous	17.00	13.00	13.00	13.00	305.00	1D3DA	
(b) Synchronous	45.00	36.00	33.00	30.00	255.00	1D3DS	

b. Sub-DS1 Interfaces

(1) VG/DS0 Level Central Office Channel Interface

	Monthly Rate	Nonrecurring Charge		USOC	(T)
		First	Additional		
(a) BellSouth SWA	\$0.00	\$0.00	\$0.00	1D1SW	(T)
(b) Reserved for Future Use					(T)
(c) Reserved for Future Use					(D)
(d) Voice Grade (BellSouth SPA DSO VG)	6.50	7.00	6.00	1D1VG	(T)
(e) WATS Access Line (BellSouth SPA WATS Line)	6.50	7.00	6.00	1D1WT	(T)
(f) Wired Music -monthly	37.00	7.00	6.00	1D1PA	(T)
(g) Wired Music -daily	4.00	7.00	6.00	1D1PA	(D)
(h) DDAS (BellSouth SPA DSO Digital Data)	13.00	7.00	6.00	1D1DD	

(c) Sub-DS0 Interfaces

(1) Subrate Level Central Office Channel Interface

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

(T)

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

Note 2: Effective November 9th, 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 3: Effective March 28, 2019, Customers may not convert or renew CSPPs for High Capacity Service.

(N)

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

E7.5 Rates And Charges (Cont'd)

E7.5.15 Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) Service

A. Local Channel

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

	Nonrecurring Charge	Month to Month ²	24 to 42 Months ²	43 to 60 Months ²	USOC	(N)
(a) Per channel at 2.4 Kbps	\$470.00	\$17.00	\$13.50	\$11.00	DAXPC	
2. DS0-B Interface						
(a) Per group of twenty channels at 2.4 Kbps each	350.00	70.00	65.00	62.00	DAXP1	

B. Interoffice Channel

1. Per group of twenty channels at 2.4 Kbps each

(a) Fixed	95.00	25.00	23.00	22.00	DAXPF	
(b) Per mile	-	2.05	1.90	1.75	DAXPM	

E7.5.16 FlexServ Service (a.k.a. BellSouth SPA Customer Reconfiguration)

A. Basic FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration)

1. DS0 Channel Connections

	Nonrecurring Charge	Month To Month ^{1,2}	24 to 48 Months ^{1,2}	49 to 72 Months ^{1,2}	73 to 96 Months ^{1,2}	USOC	(N)
(a) Voice Grade Type, per DS0 channel	\$35.00	\$14.90	\$13.70	\$12.70	\$11.90	DSLVA	
(b) Digital Type, per DS0 channel	35.00	7.15	6.60	6.44	5.72	DSLDA	
2. DS1 Channel Connections							
(a) DS0 Switching, per DS1 channel	125.00	104.50	95.70	89.10	83.60	DSL1A	
(b) DS1 Switching, per DS1 channel	125.00	60.50	55.00	51.70	48.40	DSL1B	
(b) Surveillance – DS1 Level, per DS1 channel	125.00	60.50	55.00	51.70	48.40	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. FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) Options

1. Multipoint Bridging

(a) Voice Grade Connections, per bridging leg	20.00	5.00	4.50	4.40	4.30	FSSF9	
(b) Multipoint Junction Unit, per 2.4, 4.8, 9.6 or 56 Kbps channel (must purchase in units of 5)	15.00	6.00	5.25	5.00	4.75	FSSFJ	
(c) Multipoint Junction Unit, per 19.2 Kbps channel (must purchase in units of 5)	15.00	9.45	8.90	8.40	7.90	FSSF9	

Note 1: Effective December 16, 2013, Customers may not establish new term plans greater than 36 months for FlexServ® Service and term plans may not be renewed for a term greater than 36 months.

Note 2: Effective March 28, 2019, Customers may not convert, renew or establish CSPPs for Derived Data Channel Service and FlexServ Service. (N)

BELLSOUTH
TELECOMMUNICATIONS
TENNESSEE

ACCESS SERVICES TARIFF

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Cancels Seventh Revised Page 52.0.3

ISSUED: March 7, 2019
BY: Joelle Phillips, President - Tennessee
Nashville, Tennessee

EFFECTIVE: March 28, 2019

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

E7.5 Rates And Charges (Cont'd)

E7.5.16 FlexServ Service (a.k.a. BellSouth SPA Customer Reconfiguration) (Cont'd)

B. FlexServ Service (a.k.a. BellSouth SPA Customer Reconfiguration) Options (Cont'd)

2. Subrate Reconfiguration Capability

		Nonrecurring Charge			USOC		
		\$45.00			DSL5B		
		Month	24 to	49 to	73 to		
		To	48	72	96		
		Charge	Month	Months ^{1,3}	Months ^{1,3}	Months ^{1,3}	USOC
(a)	Per DS0 equipped (DS0B)						(N)
(b)	9.6 Kbps, per DS0A requires 5	\$5.00	\$8.75	\$8.15	\$7.60	\$7.20	DSL59
(c)	4.8 Kbps, per DS0A requires 10	5.00	7.40	6.80	6.30	5.95	DSL54
(d)	2.4 Kbps, per DS0A requires 20	5.00	7.00	6.45	5.95	5.60	DSL52
3.	Additional Concurrent User Access						
(a)	Per Additional User Access	125.00	68.00	60.00	57.00	54.00	FSSFU
4.	Additional User Identification Codes						
(a)	Per Additional Code			Nonrecurring Charge		\$3.00	USOC
5.	Additional Customer Training						FSSFA
(a)	Per eight hour day of training after initial installation				450.00		FSSFT
6.	Reconfiguration by Company Personnel						
(a)	Request for Company to perform reconfiguration activity				25.00		FSSRA
7.	(DELETED)						

E7.5.17 SMARTPath Service (a.k.a. BellSouth SPA Shared Ring)

A. SMARTPath service (a.k.a. BellSouth SPA Shared Ring) Area Connection

1. 1.544 Mbps

		Nonrecurring Charge		Month	Plan A	Plan B	USOC
		First	Additional	to	24 to 48	49 to 72	
		Month	Month	Month	Months ²	Months ²	
(a)	Per SMARTPath service (a.k.a. BellSouth Shared Ring) Area Connection	\$435.00	\$140.00	\$300.00	\$210.00	\$200.00	TMJ1A

B. SMARTPath service (a.k.a. BellSouth SPA Shared Ring) Area Junction

1. 1.544 Mbps

(a)	Per Customer Designated Premises	435.00	140.00	125.00	80.00	65.00	TMJ1B
(b)	Per Serving Wire Center Connection	435.00	140.00	50.00	25.00	20.00	TMJ1C

C. Virtual Collocation Cross-Connect to SMARTPath service (a.k.a. BellSouth SPA Shared Ring)

1. Area Connection and Area Junction

		Nonrecurring Charge		Monthly	USOC
		First	Additional	Rate	
(a)	Per DS1 Cross-Connect	\$155.00	\$14.00	\$7.50	CNC1X

Note 1: Effective November 9th, 2013, customers may not establish new term plans greater than 36 months for FlexServ Service and term plans may not be renewed for a term greater than 36 months.

Note 2: Effective November 9th, 2013, customers may not establish new term plans greater than 36 months for SMARTPath Service and term plans may not be renewed for a term greater than 36 months.

Note 3: Effective March 28, 2019 Customers may not: (1) Convert, renew or establish CSPPs for FlexServ Service and (2) Convert or renew CSPPs for SMARTPath Service. (N)