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BELLSOUTH
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ACCESS SERVICES TARIFF

Eighth Revised Page 10.2
 Cancels Seventh Revised Page 10.2

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E2. GENERAL REGULATIONS**E2.4 Payment Arrangements and Credit Allowances (Cont'd)****E2.4.1 Payment of Rates, Charges and Deposits¹ (Cont'd)**

- H.** For purposes of E2.4.1.B.4., the resolution date is the date on which the Company completes the investigation of the dispute, and the Company's service representative notifies the IC of the disposition and notes the IC's account or when the Company forwards the amount of credit to the IC, depending upon IC preference.
- I.** At the option of the IC or end user, all nonrecurring charges associated with a Standard or Negotiated Interval Access Order may be billed over a three month period subject to the following:
- Fifty percent of the total nonrecurring charges will be billed in the first monthly billing period after the charges are incurred, and twenty-five percent of the total nonrecurring charges plus an Extended Billing Plan Charge will be billed in each of the following two monthly billing periods.
 - The Extended Billing Plan Charge is calculated at a rate of one percent per month or twelve percent annually, on the unbilled balance of the nonrecurring charges.
 - The IC or end user must request extended billing on or before the Application Date as set forth in E5.1.2 following for a Standard or Negotiated Interval Access Order.
 - If the IC or end user disconnects service before the expiration of the plan period, all unbilled charges plus the Extended Billing Plan Charge, if applicable, will be included in the final bill rendered.
 - **(DELETED)**
 - If the IC or end user fails to make any of the payments on the payment due date as set forth in B.1. preceding, these late payment charges specified in B.3. preceding will apply.
- J.** Effective October 1, 2001, a monthly recurring surcharge is applicable to each retail customer's total telecommunications bill in order to support South Carolina's Universal Service Fund. The surcharge will be assessed in accordance with orders issued by the Public Service Commission of South Carolina.

(T)

E2.4.2 Minimum Periods

- A.** The minimum periods for which services are provided and for which rates and charges are applicable are set forth in E2.4.9, Sections E5. and E7. of this intrastate Tariff and Section 6 of Tariff FCC No. 1, for BellSouth SWA and Special Access (a.k.a. BellSouth SPA) services; in Sections E8. and E9. following, for Billing and Collection Services and BellSouth Directory Assistance Access service; in Section E14. following for Special Construction; and, in Section E29. for Optical Transport Access Service.

Note 1: Except where indicated herein, references to BellSouth SWA FGs will also include the applicable BellSouth SWA Basic Serving Arrangement as detailed in the matrix of Section 6.1.3 (A) of Tariff FCC No. 1 (e.g., the term BellSouth SWA FGA represents both BellSouth SWA FGA and BellSouth SWA LSBSA).

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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)

E5.2.3 Cancellation of an Access Order (Cont'd)

B. (Cont'd)

5. Cancellation Charge Percentages (Cont'd)

a. Cancellation Charge Percentages Listing No. 1 (Cont'd)

Type Service/ Critical Dates	After: Before:	APP SID	SID LAM	LAM EIRD	EIRD DLRD	DLRD RID	RID DVA
High Capacity (a.k.a. BellSouth SPA High Capacity)		12.9%	29.2%	33.1%	35.5%	37.5%	42.9%
Digital Data Access (a.k.a. BellSouth SPA DSO Digital Data)		1.5%	4.6%	6.1%	9.2%	13.5%	18.6%
BellSouth Metro Ethernet Service		11.6%	33.1%	42.9%	44.8%	47.3%	53.1%
BELLSOUTH SWA							
Trunks or Lines		7.0%	18.9%	23.7%	24.9%	26.3%	35.6%
BellSouth SWA High Capacity Facilities		12.9%	29.2%	33.1%	35.5%	37.5%	42.9%
BellSouth Wavelength Service		12.9%	29.2%	33.1%	35.5%	37.5%	42.9%

(D)

b. Cancellation Charge Percentages Listing No. 2

Type Service/ Critical Dates	After: Before:	DVC WOT	WOT FCD	FCD PTD	PTD DD	DD
SPECIAL ACCESS (a.k.a. BellSouth SPA)						
WATS (a.k.a. BellSouth SPA)		33.2%	44.6%	56.6%	83.6%	100.0%
Voice Grade (a.k.a. BellSouth SPA DSO VG)		33.2%	44.6%	56.6%	83.6%	100.0%
Telegraph Grade (a.k.a. BellSouth SPA Telegraph)		34.7%	43.9%	56.9%	84.6%	100.0%
Metallic Grade (a.k.a. BellSouth SPA Metallic)		30.3%	39.7%	53.6%	83.3%	100.0%
High Capacity (a.k.a. BellSouth SPA High Capacity)		55.7%	66.2%	69.9%	86.2%	100.0%
Digital Data Access (a.k.a. BellSouth SPA DSO Digital Data)		28.5%	35.4%	46.2%	78.2%	100.0%
BellSouth Metro Ethernet Service		53.1%	69.9%	85.6%	94.9%	100.0%
BELLSOUTH SWA						
Trunks or Lines		51.4%	58.3%	69.4%	90.3%	100.0%
BellSouth SWA High Capacity Facilities		55.7%	66.2%	69.9%	86.2%	100.0%
BellSouth Wavelength Service		55.7%	66.2%	69.9%	86.2%	100.0%

(D)

6. The provisions of Sections E5.2.3.1-5 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 an IC 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
NRFSF	61+	\$3,000.00

E5. ORDERING OPTIONS FOR BellSouth SWA AND SPECIAL ACCESS (a.k.a. BellSouth SPA) SERVICE

E5.2 Access Order (Cont'd)

E5.2.5 Minimum Period (Cont'd)

- B.** The minimum period for BellSouth SWA FGD and BellSouth SWA TSBSA 3 is three months.
- C.** *(DELETED)*
- D.** The minimum service period for BellSouth Wavelength service, BellSouth Dedicated Ring, BellSouth Metro Ethernet service and SMARTRing service (a.k.a. BellSouth Dedicated Ring) is 4 months.
- E.** The minimum period for BellSouth Remote Access Service is twelve months.
- F.** Service Rearrangements¹ and Transfer of Service as set forth in Section 6.7.1 of Tariff FCC No. 1 and Sections E7.4.1 and E29.1.4 of this intrastate Tariff for BellSouth SWA, Special Access (a.k.a. BellSouth SPA) and BellSouth Wavelength services respectively may be made without a change in minimum period requirements.
- G.** Changes other than those identified in Section 6.7.1 of Tariff FCC No. 1 or Sections E7.4.1¹ or E29.1.4 of this intrastate Tariff will be treated as a discontinuance of the existing service and an installation of a new service. All associated nonrecurring charges will apply for the new service. A new minimum period will be established for the new service. The IC will also remain responsible for all outstanding minimum period obligations associated with the disconnected service.

The changes listed below are those which will be treated as a discontinuance and installation of service and for which a new minimum period will be established.

1. A move to a different building as set forth in Section 6.7.7 of Tariff FCC No. 1 or Sections E7.4.5 or E29.1.4 of this intrastate Tariff.
 2. A change in type of service (i.e., BellSouth SWA to Special Access (a.k.a. BellSouth SPA), one type of Special Access (a.k.a. BellSouth SPA) to another, or one type of BellSouth SWA service to another or one type of BellSouth SWA Basic Serving Arrangement/BellSouth SWA Basic Serving Arrangement Technical Option to another except as set forth in Section 6.7.6 of Tariff FCC No. 1).
 3. A change in the type of Special Access (a.k.a. BellSouth SPA) service Special Access (a.k.a. BellSouth SPA) Line or Access Connection or Optical Transport Access Service Wavelength Channel.
 4. A change in interface for BellSouth SWA or a change in Switched Local Channel.
 5. Change in BellSouth SWA service traffic type.
 6. Change from two-point to multipoint Special Access (a.k.a. BellSouth SPA) service or from multipoint to two-point Special Access (a.k.a. BellSouth SPA) service.
- H.** The minimum service periods for BellSouth Custom Network Service and applicable rates and charges are provided in E7.7 of this Tariff for each arrangement. Regulations and applicable charges for disconnects and moves of service prior to the expiration of the minimum period are also specified in E7.7 of this Tariff.

E5.2.6 Minimum Period Charges

- A.** When Access Service is discontinued prior to the expiration of the minimum period, charges are applicable for the balance of the minimum period. A disconnect constitutes facilities being returned to available inventory.
 The Minimum Period Monthly Charge, for monthly billed services will be determined as follows:
 1. For BellSouth SWA service, usage sensitive rate elements (i.e. Carrier Common Line, Local Switching, Access Tandem Switching, BellSouth SWA Common Transport, and Interconnection) the charge for a month or fraction thereof is equal to the applicable rates for the actual or assumed usage for the month or such fraction thereof.
 2. For Special Access (a.k.a. BellSouth SPA) service, the charge for a month and fraction thereof is the applicable monthly rate for the service as set forth in E7.5 of this Tariff.
 3. For BellSouth SWA Transport components which are not usage sensitive (i.e. Switched Local Channel and BellSouth SWA Dedicated Interoffice Channel and Channelization Equipment), the charge for a month or fraction thereof is the applicable monthly rate for the service as set forth in Section 6.8 of Tariff FCC No. 1.
- B.** All applicable nonrecurring charges for the service will be billed in addition to the Minimum Period Charge.

Note 1: Specific regulations for BellSouth Metro Ethernet service minimum period, service rearrangements (reconfigurations) and changes are provided in E7.4.32 of this Tariff.

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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 multiplexing 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 eight 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. Telegraph⁴ (a.k.a. BellSouth SPA Telegraph) Grade - a channel for the transmission of binary signals at rates of 0 to 75 baud or 0 to 150 baud.
 2. 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.
 3. 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.
 4. **(DELETED)** (T)
 5. **(DELETED)**
 6. 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, 19.2, 56.0 or 64.0 Kbps.
 7. 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.
 8. 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 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.

Note 3: **(DELETED)** (T)

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**

- A. 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.
- B. 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 in this section of the 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

- A. At no additional charge, the Company will, at the customer's request, cooperatively test, at the time of installation, the following parameters:
 1. For Voice Grade² (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 Grade² (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.
 2. For other analog services (i.e., Telegraph² (a.k.a. BellSouth SPA Telegraph), WATS Access Line² (a.k.a. BellSouth SPA WATS Line) and for digital services (i.e., Digital Data Access² (a.k.a. BellSouth SPA DS0 Digital Data), WATS Access Line² (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. (D)
- B. In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade² (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 the 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.).

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)

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

E7.1 General (Cont'd)

E7.1.8 Ordering Options And Conditions (Cont'd)

- C. For the purposes of ordering, there are nine categories of Special Access (a.k.a. BellSouth SPA) service. These are:
1. Telegraph Grade² (a.k.a. BellSouth SPA Telegraph) (TG)
 2. Voice Grade² (a.k.a. BellSouth SPA DS0 VG) (VG)
 3. **(DELETED)**
 4. Commercial Quality Video (a.k.a. BellSouth SPA Commercial Quality Video) (TV)
 5. Digital Data Access² (a.k.a. BellSouth SPA DS0 Digital Data) service (DDAS)
 6. High Capacity (a.k.a. BellSouth SPA High Capacity) (HC)
 7. WATS Access Line² (a.k.a. BellSouth SPA WATS Line) (WAL)
 8. Derived Data Channel² (a.k.a. BellSouth SPA Derived Data Channel) service
 9. Self-Healing Rings (SMARTRing³ service [a.k.a. BellSouth Dedicated Ring])
- D. 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 is 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.
- E. 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.
- F. 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 grade² 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.
- G. 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.
- H. The optional features and functions available with each type of Special Access (a.k.a. BellSouth SPA) service are described in this section. The optional features and functions information also indicates with which technical specifications packages they are available. Such information is displayed in a matrix with the optional feature or function listed down the left side and the technical specifications package listed across the top.

Note 1: (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.

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**E7.1 General (Cont'd)****E7.1.8 Ordering Options And Conditions (Cont'd)**

- I. 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.

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

Telegraph Grade² (a.k.a. BellSouth SPA Telegraph)

TR-NPL-000336

Voice Grade² (a.k.a. BellSouth SPA DSO VG)

TR-NPL-000335

PUB 41004, Table 4

Commercial Quality Video (a.k.a. BellSouth SPA Commercial Quality Video)

BellSouth TR-73557

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Digital Data Access² (a.k.a. BellSouth 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

For 64.0 Kbps

AT&T PUB 62310

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

TA-TSY-000342

TR-NPL-000054

WATS Access Line² (a.k.a. BellSouth SPA WATS Line)

TR-NPL-000334

Derived Data Channel² (a.k.a. BellSouth Derived Data Channel) service

BellSouth TR-73548

BellSouth TR-73548, Addendum 1

E7.2 Service Descriptions**E7.2.1 Reserved for Future Use**

Note 1: *(DELETED)*

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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**E7.2 Service Descriptions (Cont'd)****E7.2.3 Voice Grade² (a.k.a. BellSouth SPA DS0 VG) Service (Cont'd)**

F. WATS Access Line² (WAL) (a.k.a. BellSouth SPA WATS Line) service (Cont'd)

4. Optional Features and Functions (Cont'd)

d. One-way or Two-way Capability

E7.2.4 Reserved For Future Use

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(D)

Note 1: **(DELETED)**

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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

E7.2 Service Descriptions (Cont'd)

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

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E7.2.5 Digital Data Access³ (a.k.a. BellSouth SPA DS0 Digital Data) Service

A. Basic Channel Description

A Digital Data (a.k.a. BellSouth SPA DS0 Digital Data) channel is a channel for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6, 19.2, 56 or 64 Kbps. The actual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service with timing provided by the Company through the Company's facilities to the customer in the received bit stream. Digital Data (a.k.a. BellSouth SPA DS0 Digital Data) channels are only available via Company designated Digital Data (a.k.a. BellSouth SPA DS0 Digital Data) Hubs and are provided between customer designated premises or between a customer designated premises and a Company Digital Data (a.k.a. BellSouth SPA DS0 Digital Data) Hub.

A Hub termination charge applies per Digital Local Channel. This rate element covers the Hub functions (e.g., timing, testing) for the service.

Secondary Channel Capability (SCC) is a derived companion digital transmission path that is independent of the primary data path and operates at a substantially lower bit rate. This derived channel allows the customer to perform network management functions during the normal operation of the network. This diagnostics channel utilizes a portion of a customer's previously unavailable data bit stream allowing for the ability to remotely control and test the network and peripheral devices without taking the network out of service. Special customer equipment is necessary to utilize the benefits of the Secondary Channel. Customers not wishing to utilize this capability will not be impacted. Due to transmission equipment restrictions, Secondary Channel cannot be provided on 56 Kbps circuits that require the installation of loop repeater equipment for provision of service. Secondary Channel Capability, also, cannot be provided on 64 Kbps circuits, since all of the available bit stream will be used by the customer.

The customer will provide the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the Digital Data (a.k.a. BellSouth SPA DS0 Digital Data) channel at the customer premises. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

B. Technical Specifications Packages

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

The Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875 percent error-free seconds¹ while the channel is in service, if it is measured through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference PUB 62310.

Note 1: This channel performance does not apply when the Data Over Voice channel option is used.

Note 2: **(DELETED)**

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

E7.2 Service Descriptions (Cont'd)

E7.2.6 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd)

D. Optional Features and Functions (Cont'd)

2. Channelization (Cont'd)

e. 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 Basic Channelization System requires a Central Office Channel Interface for each channel of lesser capacity. (D)

f. DS0 Basic Channelization System¹

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 Basic Channelization System requires a Central Office Channel Interface for each channel of lesser capacity.

3. 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 Interface¹

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 Interface¹

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.

4. Clear Channel Capability

a. Clear Channel Capability (CCC) is an arrangement that alters a DS1/1.544 Mbps signal with unconstrained information bits, to meet pulse density requirements outlined in TR-NPL-000054 and TA-TSY-000342. This will allow a customer to transport an all zero octet over a DS1/1.544 Mbps High Capacity (a.k.a. BellSouth SPA DS1) channel, providing an available combined maximum 1.536 Mbps data rate. This arrangement requires the customer signal at the channel interface to conform to Bipolar with 8 Zero Substitution (B8ZS) line code as described in TR-NPL-000054 and TA-TSY-000342.

b. CCC is provided on DS1/1.544 Mbps High Capacity (a.k.a. BellSouth SPA DS1) channels between two customer designated premises, or between a customer designated premises and a Company Hub location, and is subject to the availability of facilities. This optional feature may be ordered at the same time the DS1/1.544 Mbps High Capacity (a.k.a. BellSouth SPA DS1) channel is ordered, or it may be ordered as an additional feature of an existing channel.

c. When providing CCC via a DS3/44.736 Mbps High Capacity (a.k.a. BellSouth SPA DS3) channel, that DS3 channel must be designated, in Company records, as having Clear Channel Capability prior to the provisioning of a DS1/1.544 Mbps High Capacity (a.k.a. BellSouth SPA DS1) channel with CCC. Customers must agree to out-of-service periods required to add this feature to; 1) an existing DS1/1.544 Mbps High Capacity (a.k.a. BellSouth SPA DS1) channel or 2) a DS3/44.736 Mbps High Capacity (a.k.a. BellSouth SPA DS3) channel which transports a DS1/1.544 Mbps High Capacity (a.k.a. BellSouth SPA DS1) channel, to be optioned for B8ZS.

5. FlexServ® service (a.k.a. BellSouth SPA Customer Reconfiguration)

FlexServ® service (a.k.a. BellSouth SPA Customer Reconfiguration) provides the customer the ability to monitor and reconfigure High Capacity (a.k.a. BellSouth SPA High Capacity) service provided by the Company. FlexServ® service (a.k.a. BellSouth SPA Customer Reconfiguration) is described in E7.4.12 following. Charges for this feature are contained in E7.5.16 following.

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.

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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)

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 Grade⁽³⁾ (a.k.a. BellSouth SPA DS0 VG),
 - **(DELETED)**
 - Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data) service⁽¹⁾⁽³⁾,
 - High Capacity (a.k.a. BellSouth SPA High Capacity) service
 - SMARTRing⁽⁵⁾ service (a.k.a. BellSouth Dedicated Ring)
- Provided, however, that the following services are not eligible for such credit.
- FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration)
 - Derived Data Channel⁽³⁾ (a.k.a. BellSouth SPA Derived Data Channel) service
 - BellSouth Metro Ethernet⁽⁴⁾ service

a. Installation of Service

Nonrecurring charges apply to each service installed. When one service is ordered and installed, it is billed at the First Service Installed rate. When more than one of the same type of service, between the same locations, for the same customer is ordered and installed at the same time, one at each location is billed at the First Service Installed rate and the others are billed at the Additional Service Installed rate. Nonrecurring charges are per each rate element for Commercial Quality Video (a.k.a. BellSouth SPA Commercial Quality Video) service.

b. Installation of Optional Features and Functions

Nonrecurring charges apply for the installation of some of the optional features and functions available with Special Access (a.k.a. BellSouth SPA) service. The Initial nonrecurring charge applies if the feature or function is installed coincident with the primary service. The Subsequent nonrecurring charge applies if the feature or function is installed after the installation of the primary service.

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

Note 2: **(DELETED)**

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.

Note 4: Effective on or after August 22, 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 March 31, 2023.

Note 5: 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**

A customer has the option of ordering Voice Grade² (a.k.a. BellSouth SPA DS0 VG) 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 (a.k.a. BellSouth SPA Telegraph), Voice² (a.k.a. BellSouth SPA DS0 VG), etc.).

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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 (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 Systems² 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 SMARTRing³ 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.

Note 1: (DELETED)

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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.

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.

M1 Material appearing on this page previously appeared on page(s) 32 of this section.

M2 Material appearing on this page previously appeared on page(s) 33 of this section.

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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)

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 Basic Channelization System and DDAS² (a.k.a. BellSouth SPA DS0 Digital Data) Central Office Channel Interface are required for high speed or low speed DDAS² (a.k.a. BellSouth SPA DS0 Digital Data) 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 DS0² (64 Kbps) 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 E13.2.5 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.

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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 IC 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, and Central Office Channel Interface(s), if applicable) until such time as the IC chooses to use a portion of the available capacity for providing BellSouth SWA. As each individual channel is activated for BellSouth SWA, the Special Access (a.k.a. BellSouth SPA) Local Channel rates, Interoffice Channel rates, and Basic Channelization System rates, if applicable, will be reduced accordingly (e.g., 1/24th for a DS1 service, etc.). The IC 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 IC designated premises. The rates and charges that will apply to the portion from the hub to the IC designated premises will be dependent on the specific type of Special Access (a.k.a. BellSouth SPA) service that is provided (e.g., Voice Grade² (a.k.a. BellSouth SPA DS0 VG), Telegraph² (a.k.a. BellSouth SPA Telegraph), etc.). The applicable rates and charges will include a Local Channel and Interoffice Channel, and appropriate channelization elements, if applicable.

Virtual 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.

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)

E7.5.3 Voice Grade⁽²⁾ (a.k.a. BellSouth SPA DS0 VG) Service (Cont'd)

D. WATS Access Line⁽²⁾ (a.k.a. BellSouth SPA WATS Line) (Cont'd)

- 2. Interoffice Channel
 - a. Mileage Bands
 - (1) Fixed Rate

		Fixed Monthly Charge			
		Monthly Charge	Per Mile	Nonrecurring Charge	USOC
(a)	0 mile	\$-	\$-	\$-	1LFFX
(b)	1 thru 8 miles	72.00	2.88	120.00	1LFFX
(c)	9 thru 25 miles	72.00	2.88	120.00	1LFFX
(d)	Over 25 miles	72.00	2.88	120.00	1LFFX

- 3. Optional Features
 - a. Improved Two-Wire Voice Transmission Specifications
 - (1) For WATS Access Line (a.k.a. BellSouth SPA WATS Line)

		Monthly Rate	Nonrecurring Charge		USOC
			Initial	Subsequent	
(a)	Two-Wire	\$24.00	\$46.80	\$105.60	X2T

- b. WATS Access Line Bridging
 - (1) Per port

		Monthly Rate	Nonrecurring Charge	USOC
(a)	Two-Wire	\$14.40	\$50.40	BCNV2
(b)	Four-Wire	16.80	50.40	BCNV4

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⁽¹⁾ **(DELETED)** (T)
⁽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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E7.5 Rates And Charges (Cont'd)

E7.5.4 *Reserved For Future Use* (Cont'd)

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E7.5 Rates And Charges (Cont'd)

E7.5.6 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

DS1 Level Central Office Channel Interface

	Recurring Rate		Nonrecurring Charge	USOC
	SEE CURRENT PRICE LIST			
	Minimum	Maximum		
(1) Asynchronous				
(a) Month-To-Month	\$9.00	\$15.00	\$155.00	1D3CA
(b) 24-48 Months ^{1, 4}	6.00	10.00	155.00	1D3CA
(c) 49-72 Months ^{1, 4}	5.00	9.00	155.00	1D3CA
(d) 73-96 Months ^{1, 4}	4.00	8.00	155.00	1D3CA
(2) Synchronous				
(a) Month-To-Month	\$27.00	\$45.00	\$130.00	1D3CS
(b) 24-48 Months ^{1, 4}	23.00	39.00	130.00	1D3CS
(c) 49-72 Months ^{1, 4}	21.00	35.00	130.00	1D3CS
(d) 73-96 Months ^{1, 4}	19.00	31.00	130.00	1D3CS
b. Sub-DS3 Interfaces				
DS1 Level Customer Channel Interface				
(1) Asynchronous				
(a) Month-To-Month	\$13.00	\$21.00	\$310.00	1D3DA
(b) 24-48 Months ^{(1), 4}	10.00	16.00	310.00	1D3DA
(c) 49-72 Months ^{(1), 4}	10.00	16.00	310.00	1D3DA
(d) 73-96 Months ^{(1), 4}	10.00	16.00	310.00	1D3DA
(2) Synchronous				
(a) Month-To-Month	\$34.00	\$56.00	\$250.00	1D3DS
(b) 24-48 Months ^{(1), 4}	27.00	45.00	250.00	1D3DS
(c) 49-72 Months ^{(1), 4}	25.00	41.00	250.00	1D3DS
(d) 73-96 Months ^{(1), 4}	23.00	38.00	250.00	1D3DS

c. Sub-DS1 Interfaces

(1) VG/DS0 Level Central Office Channel Interface

	Recurring Rate		Nonrecurring Charge		USOC
	SEE CURRENT PRICE LIST		First	Additional	
	Minimum	Maximum			
(a) BellSouth SWA	\$0.00	\$0.00	\$0.00	\$0.00	1D1SW
(b) Telegraph ³ (a.k.a. BellSouth SPA Telegraph)	4.00	6.00	7.00	6.00	1D1TE
(c) Voice Grade ³ (a.k.a. BellSouth SPA DSO VG)	5.00	8.00	7.00	6.00	1D1VG
(d) WATS Access Line ³ (a.k.a. BellSouth SPA WATS Line)	5.00	8.00	7.00	6.00	1D1WT
(e) (DELETED)					(T)
(f) (DELETED)					(T)
(g) DDAS ³ (a.k.a. BellSouth SPA DSO Digital Data)	11.00	16.00	7.00	6.00	1D1DD

Note 1: Effective May 1, 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 2: **(DELETED)**

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.

Note 4: Effective November 1, 2022, customers may not establish new term plans of greater than 24 months for High Capacity Service Channel Service Payment Plans.