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December 2, 2022

Sallie Tanner
Executive Secretary
Georgia Public Service Commission
244 Washington Street, SW
Atlanta, Georgia 30344-5701

Dear Ms. Tanner:
Attached for filing with the Commission is the following BellSouth Telecommunications, LLC Georgia Access Services Tariff, to become effective January 1, 2023.

Georgia Access Tariff Update

E2 – General Regulations
E5 – Ordering Options For BellSouth SWA and Special Access
E7 – Special Access (a.k.a. BellSouth SPA) Service
E23 – Metropolitan Statistical Area

The purpose of this Access Tariff filing is to withdraw Program Audio/Wired Music Services due to product Sunset, effective January 1, 2023.

Please acknowledge receipt of this tariff by stamping and returning the second copy of this letter. If you have any questions concerning this filing please contact me at 404-725-7603 or richjohnson@att.com.

Sincerely,

Attachments
cc: Leon Bowles
Dorothy Buckner

E2. GENERAL REGULATIONS

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

E2.4.1 Payment of Rates, Charges and Deposits[1] (Cont'd)

H. For purposes of E2.4.1.B.4. ***preceding***, 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:

- 50 percent of the total nonrecurring charges will be billed in the first monthly billing period after the charges are incurred, and 25 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 1.0 percent per month or 12 percent annually, on the unbilled balance of the nonrecurring charges.
- The IC or end user must request extended billing at the time the Access Service Request is placed 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.

(D)

- If the IC or end user fails to make any of the payments on the payment due date as set forth in B.3. preceding, late payment charges specified in B.3.a. or b. preceding will apply.

J. ICs, Resellers, AOS providers and all other entities who complete 101XXXX dialed intraLATA calls, will compensate the Company for intraLATA calls carried by the ICs, Resellers, AOS providers and any other entity over facilities or services other than LEC-provided MTS and BellSouth SWA WATS, as set forth in Docket No. 3995-U issued March 10, 1992. An intraLATA call is any call that originates and terminates within the same LATA. The Company shall render bills to ICs, Resellers, AOS providers and any other entity completing 101XXXX dialed intraLATA calls, which are calculated by multiplying Company tracked intraLATA minutes of use by the stipulated access rate set forth in K. following. Bill payment will be made in accordance with the rules and regulations set forth in E2.4.1 preceding. Normal BellSouth SWA FGD charges as specified in Section E3. of this intrastate Tariff and Section 6 of Tariff FCC No. 1 are also applicable.

K. Resellers, existing prior to March 10, 1992, who complete 101XXXX dialed intraLATA calls, will compensate the Company for traffic volumes which exceed a monthly grandfathered amount, as determined by the actual monthly usage average as developed from December 1991 and January and February 1992 actual usage. This grandfathered amount will be exempt from compensation charges as specified in the IntraLATA Toll Stipulated Agreement as approved by the Georgia Public Service Commission in Docket 3995-U, dated March 10, 1992. The stipulated access rate set forth following will be multiplied by the minutes of use which exceed the grandfathered amount to determine appropriate charges. Bill payment will be made in accordance with the rules and regulations set forth in E2.4.1 preceding. This stipulated access rate will be eliminated effective March 31, 1995.

1. Stipulated Access Rate per minute of use for traffic occurring in the period:

		Rate	USOC
(a)	April 1, 1992 to March 31, 1993	**$.0400**	**NA**
(b)	April 1, 1993, to March 31, 1994	**.0200**	**NA**
(c)	April 1, 1994 to March 31, 1995	**.0100**	**NA**

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 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. of this Tariff, for Billing and Collection services and BellSouth® Directory Assistance Access service; in Section E14. of this Tariff for Special Construction; and, in Section E29. of this Tariff 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 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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E2. General Regulations

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

E2.4.4 Credit Allowance for Service Interruptions (Cont'd)

B. When A Credit Allowance Applies (Cont'd)

2. ***Reserved For Future Use*** (T)(D)

3. For BellSouth® SWA service and BellSouth® Directory Assistance Access service, no credit shall be allowed for an interruption of less than 24 hours. The IC or End User shall be credited for an interruption of 24 hours or more at the rate of 1/30 of the monthly rates or the assumed minutes of use charge, whichever is applicable to the service involved, for each 24 hours or major fraction thereof that the interruption continues. In the case of service billed based upon actual usage, no credit allowance is applicable.
4. The credit allowance(s) for an interruption or for a series of interruptions shall not exceed the sum of the monthly rates or the assumed minutes of use charge for the service interrupted in any one monthly billing period.
5. For certain Special Access (a.k.a. BellSouth SPA) services (Wideband Digital, WD1-4; Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data), DA1-4; and High Capacity (a.k.a. BellSouth SPA High Capacity), HC1), any period during which the error performance is below that specified for the service will be considered as an interruption.
6. Service interruptions for Specialized Service or Arrangements provided under the provisions of Section E12. following shall be administered in the same manner as those set forth in this Section unless other regulations are specified with the individual case filing.
7. For SMARTPath® service (a.k.a. BellSouth® SPA Shared Ring), failure by the Company to meet the performance guarantee described in E7.2.12.C.2. ***of this Tariff***, will prompt a credit equal to 100 percent for affected SMARTPath® service (a.k.a. BellSouth® SPA Shared Ring) rate elements. The monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e. SMARTPath® service (a.k.a. BellSouth® SPA Shared Ring) Area Connection and SMARTPath® service (a.k.a. BellSouth® SPA Shared Ring) Area Junction). A customer request for credit will not be required. The credit will be applied through normal administrative processes and the dollar amount will be reflected on the customer's bill. The credit will apply no more than once per billing period and shall not exceed the monthly rate for the service.
8. For the channels used with BellSouth Managed Shared Ring service, failure by the Company to meet the performance guarantee described in E7.5.1 will prompt the credit described in that Section. The combined total of the credit allowance during a month for failure to meet the performance guarantee for BellSouth® Managed Shared Ring in Section 6.7.21 of Tariff FCC No. 1, as applicable, and the credit for service interruption contained in this section shall not exceed the monthly rate for the portion of the service affected.
9. For BellSouth® Wavelength service, a credit for a service interruption of thirty minutes or more per occasion shall be 100 percent of the monthly charges for the BellSouth® Wavelength service. A customer must report the outage in order to receive service outage credit. The total credit received in any month shall not exceed the monthly rate for the service.

C. When Credit Allowance Does Not Apply

No credit allowance will be made for:

1. Interruptions caused by the negligence of the IC or end user.
2. Interruptions of a service due to the failure of equipment or systems provided by the IC, end user or others.

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E2. GENERAL REGULATIONS

E2.19 TDM to IP Transition

E2.19.1 General TDM to IP Transition Provisions

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

Product Name	Reference
Telegraph Grade (aka BellSouth SPA Telegraph) Service	E7.2.2
Voice Grade (aka BellSouth SPA DS0 VG) Service	E7.2.3
Digital Data Access (aka BellSouth SPA DS0 Digital Data) Service	E7.2.5
High Capacity (aka BellSouth SPA High Capacity) Service (64 kbps, 3.152 and 6.312 Mbps)	E7.2.6
Derived Data Channel (aka BellSouth SPA Derived Data Channel) Service	E7.2.15
BellSouth Customer Network Management Service	E7.4.12

(D)

Effective Date Wire Center	Exchange	Other Information
12/18/2019 FLBRGAMA	Flowery Branch	Distribution Area 311512
5/1/2020 GSVLGAMA	Gainesville	Distribution Area 640107

E5. Ordering Options for BellSouth SWA and Special Access (a.k.a. BellSouth SPA) Service

E5.2 Access Order (Cont'd)

E5.2.1 Access Order Service Date Intervals (Cont'd)

B. (Cont'd)

2. Negotiated Interval

a. The Company will negotiate a service date interval with the IC when:

(1) There is no Standard Interval for the service, or

(2) The IC requests a service date before or beyond the applicable Standard Interval service date.

b. The Company will offer a service date based on the type and quantity of access services the IC has requested. The negotiated interval may not exceed by more than 6 months the standard interval service date, or when there is no standard interval, the Company offered service date.

(D)

E5.2.2 Access Order Modifications

A. The IC may request a modification of its Access Order prior to notification by the Company that service is available for the customer's use. The Company will make every effort to accommodate a requested modification when it is able to do so with the normal work force assigned to complete such an order within normal business hours. If the modification cannot be made with the normal work force during normal business hours, the Company will notify the IC. If the IC still desires the Access Order modification, the Company will schedule a new service date. All charges for Access Order modification will apply on a per occurrence basis.

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)

2. The critical dates tracked by the Company are as follows: (Cont'd)
   f. Plant Test Date (PTD): The date on which overall testing of the service is to be started.
   g. Engineering Information Report Date (EIRD): The date the engineering group in another ISS area provides information to the primary engineering group.
   h. Service Date (DD): The date on which service is to be made available to the IC. This is sometimes referred to as the Due Date.
   i. Designed, Verified, and Assigned Date (DVA): The date by which field implementation groups must report that all documents and materials have been received.
   j. 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.
   k. Loop Assignment and Make-up Date (LAM): The date by which Local Loop Assignment and Make-up information must be available.
   l. Confirming Design Layout Report Date (CDLRD): The date the Design Layout Report (DLR) is to be confirmed by the IC.
3. 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 Section E5.2.3.B.4.
4. When an IC 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 canceled, by the percentage shown in Section E5.2.3.B.5 for the critical date last completed on the order.[1]
5. Cancellation Charge Percentages
   a. Cancellation Charge Percentages Listing No. 1

Type Service/ Critical Dates	**After: Before:**	**APP SID**	**SID LAM**	**LAM EIRD**	**EIRD DLRD**	**DLRD RID**	**RID DVA**
SPECIAL ACCESS (a.k.a BellSouth SPA)							
WATS (a.k.a. BellSouth SPA WATS Line)		1.6%	4.7%	6.6%	9.5%	13.2%	18.7%
Voice Grade (a. k. a. BellSouth SPA DSO VG)		1.6%	4.7%	6.6%	9.5%	13.2%	18.7%
Telegraph Grade (a. k. a. BellSouth SPA Telegraph)		1.6%	4.8%	8.9%	13.6%	17.0%	22.2%
Metallic Grade (a. k. a. BellSouth SPA Metallic)		1.6%	4.9%	6.9%	9.8%	13.5%	18.2%
High Capacity (a. k. a. BellSouth SPA High Capacity)		12.9%	29.2%	33.1%	35.5%	37.5%	42.9%

(D)

Note 1: As set forth in Section E5.2.3.C., when an IC cancels an order prior to the Design Layout Report Date, no cancellation charges shall apply.

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**
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%

b. Cancellation Charge Percentages Listing No. 2

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 WATS Line)		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.B.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)

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

D. 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 6.1.3 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 E5.2.3.B. preceding.

E. When an IC cancels an order for the discontinuance of service, no charges apply for the cancellation.

F. If the Company misses a service date by more than 30 days due to circumstances over which it has direct control (excluding, e.g., acts of God, governmental requirements, work stoppages and civil commotions), the IC may cancel the Access Order without incurring cancellation charges.

E5.2.4 Selection of Facilities For Access Orders

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

B. For all other Access Orders, the option to request a specific transmission path or channel is not provided, except as provided for under Special Facilities Routing as set forth in E11. of this Tariff.

E5.2.5 Minimum Period

A. Except as set forth in E2.4.9 of this Tariff, B., C., D., ***and*** E. ***following*** and E9.1 ***of this Tariff***, the minimum period for which Access Service is provided and for which charges are applicable is six months. For the application of minimum period charges for BellSouth SWA service BellSouth SWA FGB, BellSouth SWA FGD, and BellSouth SWA TSBSA it is assumed that the last identical capacity placed in service is the first one discontinued.

B. ***Reserved For Future Use*** (T)(D)

C. The minimum period for analog and digital high capacity services (facilities) to a Hub is 24 months. The 24 month minimum period applies in lieu of the normal minimum six month period because the activation date and service date on such orders are always the same date.

D. The minimum period for BellSouth Remote Access Service is twelve months.

E. The minimum period for BellSouth Wavelength service and ***BellSouth Metro Ethernet service***[1] is four months.

F. Service Rearrangements[1] and Transfer of Service as set forth in Section 6.7 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 of Tariff FCC No. 1 and Sections E7.4.1[1] 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 following 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 and 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, one type of BellSouth SWA Service to another or one type of BellSouth SWA TSBSA 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 local channel, Switched Local Channel or Optical Transport Access Service Wavelength Channel.

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)

4. A change in BellSouth SWA or BellSouth Directory Assistance Access service Interface Group.
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. An IC may request disconnect of an access service at any time after the service has been established. The IC must give the Company at least one business day written or verbal notice prior to the desired disconnect date. The one business day notice period will begin on the date the Company first receives the disconnect notification, either written or verbal. The verbal notice must be followed by written confirmation within ten days.

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 date is the final date the IC has use of the service.

The Minimum Period Charge, for service provided with a one month minimum period 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 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 rates for the service as set forth in Section 6.8 of Tariff FCC No. 1.
3. For Special Access (a.k.a. BellSouth SPA) service, the charge for a month or fraction thereof is the applicable monthly rate for the service as set forth in E7.5 following.
4. For Special Access (a.k.a. BellSouth SPA) service Dedicated Access Lines, the charge for a month or fraction thereof is the applicable monthly rate for the service as set forth in E7.5 following.

B. The Minimum Period Charges for BellSouth SWA FGD or BellSouth SWA TSBSA 3 service will be as set forth in E2.4 preceding.

C. The Minimum Period Charge for Commercial Quality Video (a.k.a. BellSouth SPA Commercial Quality Video) service is the applicable daily rate for the service as set forth in E7.5 following. (D)

D. All applicable nonrecurring charges for the service will be billed in addition to the Minimum Period Charge.

E5.2.7 Shared Use Facilities

Shared Use occurs when BellSouth SWA and Special Access (a.k.a. BellSouth SPA) services are provided over the same high capacity facility through a common interface. The facility may be ordered either as digital high capacity BellSouth SWA or Special Access (a.k.a. BellSouth SPA).

Billing will commence for the high capacity facility as soon as the facility is turned over to the IC for use (i.e., on the service date). Such billing will include charges for the Local Channel or Switched Local Channel, the Channelization Equipment (i.e., the multiplexer) and the interoffice transport mileage, if any. Nonrecurring installation charges will also apply at this time.

Such billing will continue until such time as the IC requests, by placing an order for service, that one or more of the derived channels be used in the provisioning of an end to end BellSouth SWA or Special Access (a.k.a. BellSouth SPA) service. When the end to end service is turned over to the IC for use, the existing billing may be modified and billing for the end to end service will commence.

When the original facility is ordered as Special Access (a.k.a. BellSouth SPA), the billing change to the existing facility, if any, will depend on whether the end to end service provisioned over the derived channel(s) is Special or BellSouth SWA. If Special Access (a.k.a. BellSouth SPA) service, the billing for the facility will not change but additional billing will commence for the end to end service provisioned over the facility. This billing will include an additional local channel(s) and interoffice mileage, if applicable, of a lower capacity level (e.g., voice grade).

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E7.5.14	Reserved for Future Use	45.1	
E7.5.15	Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) Service	45.2	
E7.5.16	BellSouth Customer Network Management Service	45.3	
E7.5.17	SMARTPath Service (a.k.a. BellSouth SPA Shared Ring)	45.4	
E7.5.18	SMARTRing Service (a.k.a. BellSouth Dedicated Ring)	45.4.1	
E7.5.19	Reserved for Future Use	45.4.4	
E7.5.20	Reserved for Future Use	45.4.5	
E7.5.21	Reserved for Future Use	45.4.5	
E7.5.22	BellSouth Metro Ethernet service	45.4.5	

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) service[2] 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 Metallic (a.k.a. BellSouth SPA Metallic)[4] service in this Tariff, there is no restriction against doing so.

D. Following is a brief description of each type of channel:

1. Telegraph (a.k.a. BellSouth SPA Telegraph) Grade[4] - a channel for the transmission of binary signals at rates of 0 to 75 baud or 0 to 150 baud.
2. Voice Grade (a.k.a. BellSouth SPA DS0 VG)[4]- a channel for the transmission of analog signals within an approximate bandwidth of 300-3000 Hz.
3. WATS Access Line (a.k.a. BellSouth SPA WATS Line***)***[4](WAL) - a channel from a customer designated premises to a WATS serving office for BellSouth SWA 8XX Toll Free Dialing Ten Digit Screening Service, WATS (a.k.a. BellSouth SPA WATS Line) or similar service.
4. ***(DELETED)*** (T)
5. (DELETED)
6. Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data)[4] - a channel for the digital transmission of synchronous serial data at rates of 2.4, 4.8, 9.6 or 56.0 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 Channel (a.k.a. BellSouth SPA Derived Data Channel)[4] - a digital data channel derived from a two-wire local exchange facility that transmits voice and data signals simultaneously.

Note 1: 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.

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.

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 service 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

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 Grade (a.k.a. BellSouth SPA DS0 VG)(2) 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 of service. Additionally, for Voice Grade (a.k.a. BellSouth SPA DS0 VG)(2) 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., Telegraph (a.k.a. BellSouth SPA Telegraph)(2), WATS Access Line (a.k.a. BellSouth SPA WATS Line)(2) and for digital services (i.e., Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data)(2), WATS Access Line (a.k.a. BellSouth SPA WATS Line)(2) 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 Grade (a.k.a. BellSouth SPA DS0 VG)(2) 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 Data Change Charges, Cancellation Charges, etc.)

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

1. Telegraph (a.k.a. BellSouth SPA Telegraph) Grade(2) (TG)

(I) ***(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.

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: (Cont'd)

2. Voice Grade (a.k.a. BellSouth SPA DS0 VG)[2] (VG)
3. ***(DELETED)*** (T)
4. Reserved for Future Use
5. Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data)[2] service (DDAS)
6. High Capacity (a.k.a. BellSouth SPA High Capacity) (HC)
7. Self-Healing Rings (SMARTRing[3] service [a.k.a. BellSouth Dedicated Ring])
8. WATS Access Line (a.k.a. BellSouth SPA WATS Line)[2] (WAL)
9. Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel)[2] service (DDCS)

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, 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 grade (a.k.a. BellSouth SPA DS0 VG)[2] service. An alphanumeric designation following the two-letter code indicates the specific predefined package. When appropriate, the Technical Reference that 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)*** (T)

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 (as permitted by the FCC), 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.

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 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:

Telegraph Grade (a.k.a. BellSouth SPA Telegraph) (2)	TR-NPL-000336
Voice Grade (a.k.a. BellSouth SPA DSO VG) (2)	TR-NPL-000335 PUB 41004, Table 4
Digital Data Access *(a.k.a. BellSouth SPA DSO Digitial Data)* (2)	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 Line *(a.k.a. BellSouth SPA WATS Line)* (2)	TR-NPL-000334
Derived Data Channel Service *(a.k.a. BellSouth SPA Derived Data Channel)* (2)	BellSouth TR-73548 BellSouth TR-73548, Addendum 1

(D)

E7.2 Service Descriptions

E7.2.1 Reserved for Future Use

Note 1: ***(DELETED)*** (T)

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 (as permitted by the FCC), 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.

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

E7.2 Service Descriptions (Cont'd)

E7.2.3 Voice Grade *(a.k.a. BellSouth SPA DS0 VG)* Service[2] (Cont'd)

F. WATS Access Line (WAL) ***(a.k.a. BellSouth SPA WATS Line)*** service[2] (Cont'd)

4. Optional Features and Functions (Cont'd)

d. One-way or Two-way Capability

E7.2.4 *Reserved For Future Use* (T)

(D)

(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.

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

E7.2 Service Descriptions (Cont'd)

E7.2.4 *Reserved For Future Use* (Cont'd) (T)

(D)

E7.2.5 Digital Data Access *(a.k.a. BellSouth SPA DS0 Digital Data)* Service(2)

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 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

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

(I) ***(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.

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)

3. Channelization

b. DS3 to DS1

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

c. DS2 to DS1

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

d. DS1C to DS1

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

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 DS1 Basic Channelization System requires a Central Office Channel Interface for each channel of lesser capacity. (D)

f. DS0 Basic Channelization System[1]

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

4. Channel Interface

a. DS1 Level Central Office Channel Interface

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

b. DS1 Level Customer Channel Interface

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

c. DS0 Level Central Office Channel Interface[1]

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

d. Subrate Level Central Office Channel Interface[1]

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

Note 1: Effective 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 (Cont'd)
   - 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 (a.k.a. BellSouth SPA DS0 VG)[3],
   - ***(DELETED)*** (T)
   - Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data) service[1, 3],
   - High Capacity (a.k.a. BellSouth SPA High Capacity) service
   - SMARTPath service (a.k.a. BellSouth SPA Shared Ring)
   - SMARTRing[5] service (a.k.a. BellSouth Dedicated Ring)

   Provided, however, that the following services are not eligible for such credit.
   - BellSouth Customer Network Management Service
   - Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) service[3]
   - 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.

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

Note 2: (***DELETED)*** (T)

Note 3: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Note 4: Effective 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 (as permitted by the FCC), 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.

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

E7.4 Rate Regulations (Cont'd)

E7.4.6 Mileage Measurement

A. The mileage to be used to determine the monthly rate for the Interoffice Channel is calculated on the airline distance between the locations involved i.e., the serving wire centers associated with two customer designated premises, a serving wire center associated with a customer designated premises and a Company hub, a serving wire center associated with a customer designated premises and a WATS serving office, or two Company hubs. The serving wire center associated with a customer designated premises is the serving wire center from which the customer designated premises would normally obtain dial tone.

B. Mileage is shown in E7.5.2 following in terms of mileage bands. To determine the rate to be billed, first compute the mileage using the V and H coordinates method, as set forth in the National Exchange Carrier Association Tariff F.C.C. No. 4, then find the band into which the computed mileage falls and apply the rates shown for that band. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage band and applying the rates.

C. When Hubs are involved, mileage rates are computed and rates applied separately for each section of the Interoffice Channel, i.e., customer designated premises serving wire center to Hub, Hub to Hub and/or Hub to customer designated premises serving wire center. However, when any service is routed through a hub for purposes other than customer specified bridging or channelization (e.g., the Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer designated premises. For the purpose of applying multipoint charges, the bridging or hubbing locations are determined by that combination of airline distances connecting the serving wire center which will produce the lowest interoffice mileage charges.

D. SMARTRing[3] service (a.k.a. BellSouth Dedicated Ring) Local Channel, Alternate Central Office Channel and Internodal Channel rates are also distance sensitive. They are measured per quarter airline mile or fraction thereof from the customer's designated premises to the Serving Wire Center, Alternate Central Office, or other Customer Nodes. V&H coordinates are derived for each customer location through the use of longitude and latitude measurements. Using the V&H coordinate method as set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF FCC. No. 4, compute the mileage, convert to quarter miles, and multiply the appropriate per quarter mile rate by the distance involved. Any portion of a quarter mile will always round up to the next quarter mile before determining the mileage and applying the rate.

E. The SMARTRing[3] service (a.k.a. BellSouth Dedicated Ring) Interoffice Channel mileage is calculated per quarter airline mile between two directly connected central offices on the ring. Interoffice Channel mileage is computed by using the V&H coordinates method as set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF FCC. No. 4. To determine the rate to be billed, multiply the appropriate per quarter mile rate by the distance involved. Fractions of a quarter mile always round up to the next quarter mile before determining the mileage and applying the rate.

E7.4.7 Facility Hubs

A customer has the option of ordering Voice Grade (a.k.a. BellSouth SPA DS0 VG)[(2)] 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., Telegraph (a.k.a. BellSouth SPA Telegraph)[(2)], Voice (a.k.a. BellSouth SPA DS0 VG)[(2)], etc. 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. (D)

Note 1: ***(DELETED)*** (T)

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 (as permitted by the FCC), 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.

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

E7.4 Rate Regulations (Cont'd)

E7.4.7 Facility Hubs (Cont'd)

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)[2], 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 Grade (a.k.a. BellSouth SPA DS0 VG)[2] 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[2] 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 service (a.k.a. BellSouth SPA Point to Point Network) and SMARTRing[3] service (a.k.a. BellSouth SPA Shared Ring), requires 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 Basic Channelization System and DDAS (a.k.a. BellSouth SPA DS0 Digital Data)[2] Central Office Channel Interface are required for high speed or low speed DDAS (a.k.a. BellSouth SPA DS0 Digital Data)[2] activations when channelized from a DS1 (1.544 Mbps) channel. A DS0 Basic Channelization System[2] and Subrate Central Office Channel Interface[2] are required for subrate activations of 2.4, 4.8 and 9.6 Kbps when channelized from a DS0 (64 Kbps)[2] channel. When cascading channelization is performed at different Hubbing locations, Interoffice Channel charges also apply between the Hubs.

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

Note 1: ***(DELETED)*** (T)

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 (as permitted by the FCC), 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.

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

E7.5 Rates And Charges (Cont'd)

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

D. WATS Access Lines (a.k.a. BellSouth SPA WATS Line)[2]

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	*50.40*	*3.24*	*126.00*	1LFFX
(c) 9 thru 25 miles	*50.40*	*3.24*	*126.00*	1LFFX
(d) Over 25 miles	*50.40*	*3.24*	*126.00*	1LFFX

3. Optional Features

a. Improved Two-Wire Voice Transmission Specifications

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

(1) Per port

	Monthly Rate	Nonrecurring Charge	USOC
(a) Two-Wire	$16.00	$42.00	BCNV2
(b) Four-Wire	18.00	42.00	BCNV4

E7.5.4 ***Reserved For Future Use*** (T)

(D)

[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.

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

E7.5 Rates And Charges (Cont'd)

E7.5.4 ***Reserved For Future Use*** **(Cont'd)** (T)

(D)

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

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

(1) DS1 Level Central Office Channel Interface[1]

	Month to Month	24 to 48 Months[2, 6]	49 to 72 Months[2, 6]	73 to 96 Months[2, 6]	Nonrecurring Charge	USOC
(a) Asynchronous	**$12.00**	**$8.00**	**$7.00**	**$6.00**	**$155.00**	**1D3CA**
(b) Synchronous	**36.00**	**31.00**	**28.00**	**25.00**	**130.00**	**1D3CS**

(2) DS1 Level Customer Channel Interface[1]

(a) Asynchronous	**17.00**	**13.00**	**13.00**	**13.00**	**295.00**	**1D3DA**
(b) Synchronous	**45.00**	**36.00**	**33.00**	**30.00**	**245.00**	**1D3DS**

b. Sub-DS1 Interfaces

(1) VG/DS0 Level Central Office Channel Interface

	Monthly Rate	Nonrecurring Charge First	Nonrecurring Charge Additional	USOC	
(a) BelSouth SWA	**$0.00**	**$0.00**	**$0.00**	**1D1SW**	
(b) Telegraph (BellSouth SPA Telegraph)[5]	**5.00**	**7.00**	**6.00**	**1D1TE**	
(c) Voice (BellSouth SPA DS0 VG)[5]	***9.00***	**7.00**	**6.00**	**1D1VG**	
(d) WATS Access Line (BellSouth SPA WATS Line)[5]	***9.00***	**7.00**	**6.00**	**1D1WT**	
(e) ***(DELETED)***					(T)
(f) ***(DELETED)***					(T)
(g) DDAS (BellSouth SPA DS0 Digital Data)[5]	**13.00**	**7.00**	**6.00**	**1D1DD**	

c. Sub-DS0 Interfaces[5]

(1) Subrate Level Central Office Channel Interface

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

3. Reserved for future use.

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

Note 2: Effective May 8, 2019, Customers may not: (1) Establish CSPPs greater than 36 months for High Capacity Service, and (2) Convert or renew CSPPs for High Capacity Service.

Note 3: An additional Local Channel charge will apply whenever the spare line is provided as a leg to the customer premises.

Note 4: ***(DELETED)*** (T)

Note 5: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Note 6: Effective November 1, 2022, customers may not establish new term plans of greater than 24 months for High Capacity Service Channel Service Payment Plans.