

TARIFF DISTRIBUTION

FILE PACKAGE NO.: MS-25-0024

DATE: October 30, 2025

STATE: MISSISSIPPI

EFFECTIVE DATE: 11/01/2025

TYPE OF DISTRIBUTION: Pending

PURPOSE: Mississippi - Guidebook - National
grandfathering of D&I/DSB services

<u>TARIFF SECTION</u>	<u>PAGE NUMBER</u>	<u>PAGE REVISION</u>
K002	3	0004
K002	7.2	0002
K002	11.1	0001
K002	13	0002
K002	17.2	0001
K002	17.3	0005
K002	17.3.6	0002
K002	17.3.7	0002
K002	17.3.8	0002
K002	18.1	0001
K002	19.1	0001
K002	20.1	0001
K002	23.1	0001
K005	6.2	0003
K005	6.3	0005
K007	1	0003
K007	2	0003
K007	3	0004
K007	3.1	0005
K007	6	0003
K007	7	0004
K007	8	0003
K007	14	0003
K007	16	0002
K007	19	0004
K007	19.0.1	0004
K007	19.1	0002
K007	20	0002
K007	20.1	0004
K007	21	0004
K007	21.2	0002

K007	21.3	0002
K007	22	0002
K007	22.1	0001
K007	23	0002
K007	25	0002
K007	27	0004
K007	27.0.1	0004
K007	27.1	0006
K007	30	0002
K007	31	0003
K007	32.1	0005
K007	32.2	0003
K007	33	0006
K007	33.1	0002
K007	33.1.1	0003
K007	33.2	0002
K007	33.3	0003
K007	33.4	0001
K007	42.2	0005
K007	43	0005
K007	43.1	0001
K007	44	0001
K007	45	0002
K007	45.1	0005
K007	45.2	0002
K007	46.1	0004
K007	46.2	0004
K7 Cont. (pg)	1	0002
K7 Cont. (pg)	2	0004
K7 Cont. (pg)	3	0003

Pending

E2. GENERAL REGULATIONS

E2.1 Undertaking Of The Company (Cont'd)

E2.1.3 Liability (Cont'd)

K. Transmission of Data

The Company shall not be held liable for any damage, harm or loss of data caused by the subscriber using the Company's voice grade telephone access lines and/or facilities for the transmission of data. The Company's liability shall be limited to errors or damages to the transmission of voice messages over these facilities, and the liability shall be limited to an amount equal to the proportional amount of the Company's billing for the period of service during which the errors or damages occur.

L. Errors or Damages Caused by System Date Limitations

The Company's liability for errors or damage resulting from the inability of the Company's systems to process unusual dates, such as the Year 2000, shall be limited to an amount equal to the proportional amount of the Company's billing for the period of service during which the errors or damages occur.

M. Unauthorized Devices

The Company shall not be held liable or responsible for any damage or harm that may occur as the result of unauthorized devices or the failure of the Company to detect unauthorized devices on the subscriber's line.

E2.1.4 Provision Of Services

The Company, to the extent that such services are or can be made available with reasonable effort, and after provision has been made for the Company's telephone exchange services, will provide to the customer upon reasonable notice services offered in other applicable sections of this Tariff at rates and charges specified therein.

The Company may discontinue certain Company services in geographic areas for which the Company has no customers subscribing to those services.

The Company may grandfather or discontinue Company services in certain geographic areas at its discretion, subject to any applicable regulatory approvals. All services described in this Guidebook will no longer be available for purchase by new or existing customers in certain geographic areas in Mississippi. In addition, requests to move, add or change existing service will not be accepted. Existing customers may cancel features on their existing service.

For service availability by Wire Center: https://cpr.web.att.com/pdf/dsa/zero_demand_tracker.pdf

For service availability by address: <https://cpr.att.com:8443/search/csiServiceAvailability>

Effective November 1, 2025, High Capacity Service (a.k.a. BellSouth SPA High Capacity), SMARTPath (a.k.a. BellSouth SPA Shared Ring), BellSouth SPA CNM-FlexServ, and Derived Data Channel Service will no longer be available for purchase by new or existing customers, unless such Services are used for Local Interconnection, SS7 or E911 purposes only. Requests for renewals, moves, adds, or changes to 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 Service is discontinued. For the avoidance of doubt, this action does not supersede any prior grandfathering or discontinuance of these Services in specific wire centers. (N)

E2.1.5 Installation And Termination Of Services

The Access services provided under this Tariff (a) will include any entrance cable or drop wiring and wire or intrabuilding network cable to that point where provision is made for termination of the Company's outside distribution network facilities at a suitable location inside a customer-designated premises and (b) will be installed by the Company to such point of termination. Each access service has only one Point of Termination per customer premises. Any additional terminations beyond such Point of Termination is the sole responsibility of the customer. The Point of Termination is an inherent part of BellSouth SWA and Special Access (a.k.a. BellSouth SPA) services, therefore, the preceding does not preclude the customer's ability to have each Point of Termination moved as set forth in Section 6.7 of Tariff FCC No. 1 and Section E7. of this intrastate Tariff following for BellSouth SWA and Special Access (a.k.a. BellSouth SPA) services, respectively.

E2.1.6 Maintenance Of Services

The services provided under this Tariff shall be maintained by the Company. The customer or others may not rearrange, move, disconnect, remove or attempt to repair any facilities provided by the Company other than by connection or disconnection to any interface means used, except with the written consent of the Company.

E2.1.7 Changes And Substitutions

Except as provided for equipment and systems subject to F.C.C. Part 68 Regulations at 47 C.F.R. Section 68.110(b) the Company may, where such action is reasonably required in the operation of its business:

- A. Substitute, change or rearrange any facilities used in providing service under this Tariff, including but not limited to:
 - 1. Substitution of different metallic facilities,
 - 2. Substitution of carrier or derived facilities for metallic facilities used to provide other than metallic facilities, and
 - 3. Substitution of metallic facilities for carrier or derived facilities used to provide other than metallic facilities,
- B. Change minimum protection criteria,
- C. Change operating or maintenance characteristics of facilities, or,
- D. Change operations or procedures of the Company.

In case of any such substitution, change or rearrangement, the transmission parameters will be within the range as set forth in Section 6 of Tariff FCC No. 1 and Section E7. of this intrastate Tariff. The Company shall not be responsible if any such substitution, change or rearrangement renders any customer furnished services obsolete or requires modification or alteration thereof or otherwise affects their use or performance. If such substitution, change or rearrangement materially affects the operating characteristics of the facility, the Company will provide reasonable notification to the customer in writing. Reasonable time will be allowed for any redesign and implementation required by the change in operating characteristics. The Company will work cooperatively with the customer to determine reasonable notification requirements.

E2. GENERAL REGULATIONS

E2.3 Obligations of the Customer (Cont'd)

E2.3.14 Jurisdictional Report Requirements (Cont'd)⁽²⁾

(C)

A. Jurisdictional Reports (Cont'd)

1. Percent Interstate Usage (PIU) (Cont'd)

b. (Cont'd)

When Special Access (a.k.a. BellSouth SPA) service is provided on a BellSouth SWA facility, e.g., Special Access DS1 (a.k.a. BellSouth SPA DS1) on a BellSouth SWA DS3, the facility will be apportioned between BellSouth SWA and Special Access (a.k.a. BellSouth SPA). The jurisdiction of the Special Access (a.k.a. BellSouth SPA) service shall reflect the composite of the jurisdiction of the lower capacity services, if any, of which it is comprised.

The customer shall compute the PIU using the following formula (rounded to a whole percentage).

Total Interstate
Originating Minutes

+

Total Interstate
Terminating Minutes

Total
Originating Minutes

+

Total
Terminating Minutes

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 in 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).

Note 2: See Section 2.1.4 for Service availability.

(N)

E2. GENERAL REGULATIONS

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

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

I. (Cont'd)

- If the IC or end user fails to make any of the payments on the payment due date as set forth in E2.4.1 preceding, late payment charges as specified in a. or b. preceding will apply.

E2.4.2 Minimum Periods⁽¹⁾

- A. Except under conditions specified in E2.4.9 following, the minimum period for which services are provided and for which rates and charges are applicable is one month except for those services as set forth in E5.2.6., E8.2.1.E.2., E8.2.2.E.2., E8.3.5.A., E8.4.5.A., E9.4.3., E13.3.5.F.1.b., c. and d., and E29.1.2 of this Tariff.
- B. The minimum period for which service is provided and for which rates and charges are applicable for a Specialized Service or Arrangement provided on an individual case basis, as set forth in Section E12. of this Tariff, is one month unless a different minimum period is established with the individual case filing.
- C. When a service is discontinued prior to the expiration of the minimum period, charges are applicable whether the service is used or not, as follows:
 1. When a service with a one month minimum period is discontinued prior to the expiration of the minimum period, a one month charge will apply at the rate level in effect at the time service is discontinued.
 2. Except for High Capacity (a.k.a. BellSouth SPA High Capacity) Individual Case Basis (ICB) services and associated channelization listed in Sections E7. and E12. of this Tariff, and for Channel Services Payment Plan(s) (CSPP), when a service with a minimum period greater than one month is discontinued prior to the expiration of the minimum period, the applicable charge will be the lesser of the Company's total nonrecoverable costs less the net salvage value for the discontinued service or the total monthly charges, at the rate level in effect at the time service is discontinued, for the remainder of the minimum period.
 3. When a High Capacity (a.k.a. BellSouth SPA High Capacity) Individual Case Basis (ICB) service(s) and associated channelization listed in Sections E7. and E12. of this Tariff is disconnected prior to the expiration of the minimum period, the termination charge as specified in the High Capacity (a.k.a. BellSouth SPA High Capacity) Individual Case Basis filing will apply.
 4. When channel equipment and or facilities are disconnected from a customer network, prior to the expiration of a Channel Services Payment Plan period, a termination charge under conditions specified in E2.4.9 following will apply.

Note 1: See Section 2.1.4 for Service availability.

(N)

E2. GENERAL REGULATIONS

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

E2.4.4 Credit Allowance for Service Interruptions (Cont'd)⁽¹⁾

(C)

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

Pending

3. For BellSouth® SWA and BellSouth® Directory Assistance Access services, no credit shall be allowed for an interruption of less than twenty-four hours. The customer shall be credited for an interruption of twenty-four hours or more at the rate applicable to the service involved, for each period of twenty-four 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 rate the assumed minutes of use charge or the minimum monthly usage charge one monthly billing period.
5. For certain Special Access (a.k.a. BellSouth® SPA) services (Wideband Digital, WD1-3; Digital Data Access (a.k.a. BellSouth® SPA 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. *of this Tariff* shall be administered in the same manner as those set forth in this *Section* (E2.4.4.) unless other regulations are specified with the individual case filing.
7. 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 A Credit Allowance Does Not Apply

No credit allowance will be made for:

1. Interruptions caused by the negligence of the customer.
2. Interruptions of a service due to the failure of equipment or systems provided by the customer or others.
3. Interruptions of a service during any period in which the Company is not afforded access to the premises where the service is terminated.
4. Interruptions of a service when the customer has released that service to the Company for maintenance purposes, to make rearrangements, or for the implementation of an order for a change in the service during the time that was negotiated with the customer prior to the release of that service. Thereafter, a credit allowance as set forth in B. preceding applies.

Note 1: See Section 2.1.4 for Service availability.

(N)

E2. GENERAL REGULATIONS

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

E2.4.9 Optional Payment Plan (Cont'd)⁽¹⁾

(C)

A. Channel Services Payment Plan (Cont'd)

4. Disconnects

- a. When a service or rate element, included under a CSPP arrangement, is disconnected prior to expiration of the selected service period, termination liability charges apply as set forth in the rate regulations in this Tariff for such service. Remaining services or rate elements will not be affected by such disconnections.
- b. When a tariffed service under a CSPP arrangement is disconnected prior to the expiration of a selected service period as a result of a change of Tariff jurisdiction and/or a customer requested change to a higher order of a separately tariffed service, termination liability charges will not apply when:
 - the completed service period is twelve months, or twenty-five percent of the length of the originally selected CSPP service period, whichever is greater, and
 - the service period of the new CSPP arrangement for the higher order of service is a minimum twenty-four month service period or equals/exceeds the remaining service period of the disconnected arrangement, whichever is greater, and
 - the service orders to install the higher order of service and disconnect the old service are related together and there is no lapse in service between installation of the higher order of service and disconnection of the existing service, and
 - the service orders are for the same customer at the same location

For the purposes of determining a higher order of service, the following ranking will be used (Analog Voice Grade (*a.k.a BellSouth SPA DS0 VG*) = lowest, DS1 High Capacity (*a.k.a BellSouth SPA DS1*) = Highest):

Analog Voice Grade (*a.k.a BellSouth SPA DS0 VG*) services

DS0 (*a.k.a BellSouth SPA DS0 Digital Data*) services

DS1 High Capacity (*a.k.a BellSouth SPA DS1*) service

5. Moves of Equipment

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

6. Requests for Changes in Length of Optional Payment Period

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

Note 1: See Section 2.1.4 for Service availability.

(N)

E2. GENERAL REGULATIONS

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

E2.4.9 Optional Payment Plan (Cont'd)⁽⁵⁾

(C)

A. Channel Services Payment Plan (Cont'd)

7. Renewal Options (Cont'd)

- b. Nonrecurring charges are not applicable for services renewed under the CSPP. Any new channel equipment and/or facilities added to a customer's network at the time of renewal will be subject to all appropriate nonrecurring charges.
- c. The Company may discontinue or change any or all renewal options with approval of the appropriate regulatory authority.
- d. When a customer renews a CSPP arrangement, the rates and charges in effect on the first day of service or renewal will apply.
- e. Recognition of previous service will be given to customers who renew an existing CSPP arrangement, for the same or larger system(s) and all associated rate elements at the same location(s), provided that the length of the new CSPP arrangement is a minimum twenty-four month service period or equals/exceeds the remaining service period of the original CSPP arrangement, whichever is greater. An example of a larger system is the renewal of an Analog Voice Grade (a.k.a. BellSouth SPA DS0 VG) service with a DS1 High Capacity (a.k.a. BellSouth SPA DS0 High Capacity) service.
- f. Recognition of previous service will be given to month-to-month customers with a service date of January 1, 1994 or later who convert to a CSPP arrangement, provided the minimum service period has been met. For customers whose service date is January 1, 1994 or earlier, recognition will be given for the previous service back to January 1, 1994. For customers whose service date is later than January 1, 1994, recognition for the previous service will be given back to the actual service date.
- g. To determine the appropriate CSPP Payment Plan for the renewed arrangement, recognition of service will consist of the sum of months in service of the completed service arrangement and the sum of the months of the proposed service period of the CSPP arrangement. For example, a CSPP arrangement for a thirty-six month^{3, 4} service period under the thirty-six month^{3, 4} Term Payment Plan is renewed for twenty-four months^{3, 4} with no changes at the end of the thirty-six month^{3, 4} period. The sum of months for the completed and proposed service periods would equal sixty months^{1, 2, 3, 4} and would be billed under the sixty month³ Term Payment Plan. Another example is a month-to-month customer, in service for fifteen months, who wishes to convert to a sixty month^{3, 4} CSPP arrangement with no changes. The combined service period of the month-to-month arrangement and the CSPP arrangement is equal to seventy-five months^{3, 4}, which would be billed under the eighty-four month^{1, 2, 3} Term Payment Plan.

8. Transfer of Service

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

Note 1: Effective December 25, 2013, Customers may not establish new term plans greater than 36 months for Derived Data Channel service and term plans may not be renewed for a term greater than 36 months.

Effective December 25, 2013, Customers may not establish new term plans greater than 36 months for BellSouth SPA CNM - FlexServ Service and term plans may not be renewed for a term greater than 36 months.

Effective December 25, 2013, Customers may not establish new term plan greater than 36 months for High Capacity Service and term plans may not be renewed for a term greater than 36 months.

Effective December 25, 2013, Customers may not establish new term plan greater than 36 months for Digital Data service and term plans may not be renewed for a term greater than 36 months.

Note 2: Effective March 24, 2019, Customers may not convert or renew for Derived Data Channel service, BellSouth SPA CNM - FlexServ Service, Digital Data Access Service, and High Capacity Service.

Note 3: Effective November 1, 2022, customers may not establish new term plans of greater than 24 months for High Capacity Service Channel Service Payment Plans.

Note 4: Effective March 17, 2024, customers may not establish new term plans of greater than month-to-month for High Capacity Service Channel Service Payment Plans.

Note 5: See Section 2.1.4 for Service availability.

(N)

E2. GENERAL REGULATIONS

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

E2.4.9 Optional Payment Plan (Cont'd)⁽¹⁾

(C)

C. Transport Payment Plan (TPP)

1. General

- a. The regulations and terms specified herein are applicable only to BellSouth Dedicated Ring, SMARTRing service (a.k.a. BellSouth Dedicated Ring), **BellSouth Metro Ethernet service** and/or BellSouth Wavelength service access services as indicated in the rate regulations in Section 6 of Tariff FCC No. 1, and Sections E7. and E29. of this intrastate Tariff.
- b. The TPP allows customers to pay stabilized monthly rates for fixed service periods selected by the customer. The three payment plans offered are as follows:
 - (1) Payment Plan A, service periods may be selected from 12 months to 36 months in length.
 - (2) Payment Plan B, service periods may be selected from 37 months to 60 months in length.
 - (3) Payment Plan C, service periods may be selected from 61 months to 96 months in length.
- c. For conversions to the TPP arrangement, the number of months under the TPP arrangement must equal or exceed the number of months remaining under the CSPP arrangement.
- d. Termination liability charges and nonrecurring charges will not apply when a CSPP customer converts to a TPP arrangement.
- e. When the customer renews a TPP arrangement and the sum of months in service added to the new contract period is greater than the number of months for which the service is available under a TPP, the current Payment Plan C rates will apply.
- f. When the customer orders service to be provided under a TPP arrangement, the customer must designate to the Company the payment plan desired.
- g. Rates stabilized under a TPP arrangement are exempt from Company initiated increases, however, decreases for any rate element will automatically be reflected in the rates charged to the customer.
- h. Conversions of BellSouth Wavelength service, LightGate service (a.k.a. BellSouth SPA Point to Point Network), BellSouth Dedicated Ring and/or SMARTRing service (a.k.a. BellSouth Dedicated Ring) TPP arrangements to a higher order of CSPP service are allowed.

2. Application of Rates

- a. The stabilized monthly recurring rates as set forth in Section 6 of Tariff FCC No. 1, and Sections E7. and E29. of this intrastate tariff are set as of the Application Date for BellSouth Dedicated Ring, SMARTRing service (a.k.a. BellSouth Dedicated Ring), **BellSouth Metro Ethernet service** and/or BellSouth Wavelength service provided that the actual service date does not exceed the latter of the following:
 - (1) the Service Date under a standard service interval, or
 - (2) the earliest date by which service can be made available to the customer by the Company.
- b. If the customer desires a service date later than as provided in a. preceding, the stabilized monthly recurring rates in effect on the service date are applicable.

3. Additions

- a. Additions of services or rate elements, to existing BellSouth Dedicated Ring and/or SMARTRing service (a.k.a. BellSouth Dedicated Ring) systems, to activate spare or unused capacities, must be activated under the same rate plan as the existing TPP arrangement. BellSouth Dedicated Ring and/or SMARTRing service (a.k.a. BellSouth Dedicated Ring) channel interfaces must be activated as set forth in Section 6 of Tariff FCC No. 1 and Section E7. of this intrastate Tariff.

Note 1: See Section 2.1.4 for Service availability.

(N)

E2. GENERAL REGULATIONS

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

E2.4.9 Optional Payment Plan (Cont'd)

C. Transport Payment Plan (Cont'd)⁽²⁾

4. Disconnects (Cont'd)

- b. Except as provided in c. through f. following, when a BellSouth Wavelength service, BellSouth Dedicated Ring, **BellSouth Metro Ethernet service** or SMARTRing service (a.k.a. BellSouth Dedicated Ring) TPP customer disconnects services or rate elements prior to the minimum number of months for the plan period selected, termination liability charges will apply. The termination liability charge will be derived at the time of disconnection by taking the difference between the rate for the TPP period for which the customer subscribed, and the rate for the TPP period that the customer's completed service would otherwise qualify, and multiplying the difference by the number of months service the customer completed under a TPP. For example, a customer subscribes to a TPP for 73 months¹ (Plan C) and terminates service after 20 months (Plan A). The termination liability charge will be applied by multiplying the number of months in service (20) by the difference between the Plan A and Plan C monthly rates. When a BellSouth Wavelength service, BellSouth Dedicated Ring, **BellSouth Metro Ethernet service** or SMARTRing service (a.k.a. BellSouth Dedicated Ring) customer disconnects service after the minimum number of months for the TPP arrangement selected but prior to the actual expiration date of the TPP arrangement, termination liability charges do not apply.
- c. When a TPP arrangement is disconnected prior to the expiration of a plan period due to a customer requested change to a higher order of service at the same location, or to expand or upgrade an existing service, termination liability charges will not apply when:

- (1) the customer has completed at least 6 months of the originally selected TPP service period, and
- (2) the service period of the new arrangement for the new service is equal to or longer than the remaining service period of the disconnected arrangement, and
- (3) the service orders to install the new service and disconnect the old service are related together and received by the Company at the same time, and there is no lapse in service between installation of the higher order of service and disconnection of the existing service, and
- (4) the capacity of the new service is equal to or greater than the existing service. For converting LightGate service (a.k.a. BellSouth SPA Point to Point Network) to SMARTPath service DS3 Transport service (a.k.a. BellSouth SPA DS3 Shared Ring), the capacity of the LightGate service (a.k.a. BellSouth SPA Point to Point Network) is considered to be the quantity of DS3s activated on the LightGate service (a.k.a. BellSouth SPA Point to Point Network). ***Specific changes of BellSouth Metro Ethernet service that are considered to be the same or higher order of service are set forth in E7.4.32 of this Tariff.***

For the purposes of determining a higher order of service in all payment plans, the following ranking will be used (Analog Voice Grade (a.k.a. BellSouth SPA DSO VG) service=lowest, SMARTRing service (a.k.a. BellSouth Dedicated Ring)=highest):

- Analog Voice Grade (a.k.a. BellSouth SPA DSO VG) services
- DS0 (a.k.a. BellSouth SPA DS0 Digital Data) Services
- DS1 (a.k.a. BellSouth SPA DS1) Services
- SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring)
- BellSouth Wavelength service
- SMARTRing service (a.k.a. BellSouth Dedicated Ring)
- BellSouth Dedicated Ring

- d. A termination liability charge will not apply to disconnects of channel interfaces associated with LightGate service (a.k.a. BellSouth SPA Point to Point Network), BellSouth Dedicated Ring and/or SMARTRing services (a.k.a. BellSouth Dedicated Ring).

Note 1: All term plans for BellSouth Metro Ethernet Service which are established, renewed or extended after December 25, 2013, for term lengths which are scheduled to expire at any time after February 1, 2019, will instead expire on February 1, 2019. All such services existing on or after February 1, 2019, will be provided on a month-to-month basis at the applicable, then current month-to-month rates.

All term plans for SMARTRing® Service which are established, renewed or extended after December 25, 2013, for term lengths which are scheduled to expire at any time after February 1, 2019, will instead expire on February 1, 2019. All such services existing on or after February 1, 2019, will be provided on a month-to-month basis at the applicable, then current month-to-month rates.

Note 2: See Section 2.1.4 for Service availability.

(C)

(N)

E2. GENERAL REGULATIONS

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

E2.4.9 Optional Payment Plan (Cont'd)

C. Transport Payment Plan (Cont'd)⁽¹⁾

4. Disconnects (Cont'd)

- e. Disconnects, moves, or rearrangements involving the removal of the following BellSouth® Dedicated Ring and SMARTRing® service (a.k.a. BellSouth® Dedicated Ring) rate elements, local channel, interoffice channel, customer node and central office node, to allow the placement of additional nodes and channels for existing customers where the total number of nodes does not decrease, will not be subject to termination liability charges.
- f. A change of jurisdiction from interstate to intrastate service constitutes a disconnection of service for which termination charges are applicable. However, if such service continues between the same serving locations, and the customer enters into a new TPP arrangement in the intrastate jurisdiction for the same or larger service capacity and associated rate elements for a service period equal to or greater than the service period remaining under the interstate TPP arrangement, no interstate termination liability charge will be applicable.
- g. Termination liability charges will not apply to any OC-3+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) disconnected on or after July 4, 2015.

5. Moves of Service Under TPP

- a. Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply as stated in Sections E7.4.5 and E29.1.4 except as provided in c. following. A four month minimum service period must be satisfied for all service rate elements serving the original building location.
- b. Moves of service within the same building will not constitute a disconnection of service for purposes of the application of termination liability charges. Current month-to-month nonrecurring charges specified in Sections E7.4.5 and E29.1.4 are applicable.
- c. Termination Liability Charges will not apply to customer requests for moves of service to a different building subject to the following conditions:
 - (1) The move from the original location to the new location must be completed within thirty days of the original premises disconnect date. For LightGate® service systems (a.k.a. BellSouth® SPA Point to Point Network), the new customer premises must be served by the same serving wire center as the original location.
 - (2) No lapse in billing will occur for moves of service under a TPP arrangement.
 - (3) Orders to disconnect the existing service and reestablish it at the new location must be related together and received by the Company at the same time.
 - (4) Any additions made at the new location will be handled in accordance with (3) preceding.
 - (5) All regulations and charges for changes made to the service coincident with the move will apply.
 - (6) All appropriate nonrecurring charges for moves of service as specified in Sections E7.4.5 and E29.1.4 will apply.

Any rate elements or quantities for local channels, interoffice channels, **wavelength channels** and/or optional features and functions from the original location that are not reestablished at the new location will be subject to applicable Termination Liability Charges.

6. Requests for Changes in Length of Service Period

- a. Subsequent to the establishment of a TPP arrangement, and prior to the completion of the selected service period for that arrangement, the TPP arrangement may be replaced by a new TPP arrangement at rates and charges in effect on the first day of service under the new TPP arrangement, subject to the following conditions:
 - (1) No credit will be given for payments made under the original TPP arrangement, except for credits allowed under 9.a. following.
 - (2) The service period selected for the new TPP arrangement begins on the new TPP effective date but not later than the expiration date of the TPP being replaced.
 - (3) Nonrecurring charges do not apply for existing services.
 - (4) If the new TPP arrangement has a service period shorter in length than the time remaining under the service period for the existing TPP arrangement, the change to the new TPP arrangement constitutes a disconnection of the existing TPP arrangement for which termination liability charges apply.

Note 1: See Section 2.1.4 for Service availability.

® BellSouth is a registered trademark of BellSouth Intellectual Property Corporation

® Registered Service Mark of BellSouth Intellectual Property Corporation

(C)

(N)

E2. GENERAL REGULATIONS

E2.6 Definitions (Cont'd)

BELLSOUTH DIRECTORY ASSISTANCE LOCATION (INTERSTATE)

The term "BellSouth Directory Assistance Location" denotes a Company office where Company equipment first receives the BellSouth Directory Assistance call from a customer's premises and selects the first operator position to respond to the BellSouth Directory Assistance call.

BELLSOUTH INWARD OPERATOR SERVICES (IOS)

A Company operator provision of Verification and Emergency Interruption functions associated with operator service calls made by an IC's operator.

BELLSOUTH INWARD OPERATOR SERVICES LOCATION

A Company office where Company equipment first receives a BellSouth Inward Operator Service call from an IC's premises and selects the first available operator to respond.

BELLSOUTH OPERATOR SERVICES SYSTEM LOCATION

The term "BellSouth Operator Services System Location" (OSS location) denotes a Company office where Company equipment routes or receives IC Operator Services calls to or from the IC location.

BELLSOUTH SWA BASIC SERVING ARRANGEMENT

The term BellSouth SWA Basic Serving Arrangement denotes the connection of a customer to and through the BOCs networks, and should be considered the fundamental connection to those networks.

BELLSOUTH SWA COMMON TRANSPORT

The term "BellSouth SWA Common Transport" denotes the transmission of the customer's switched access traffic between the Access Tandem and the end office, between the BellSouth SWA FGA dial tone office and the end office (for terminating traffic) and, between the end office which serves as the host office for a remote switching system or module (RSS or RSM) and the RSS or RSM.

BELLSOUTH SWA DEDICATED TRANSPORT

The term "BellSouth SWA Dedicated Transport" denotes the transmission of the customer's switched access traffic utilizing dedicated facilities between the customer's serving wire center (SWC) and customer designated points, i.e. SWC to a Company Facility Hub (Hub), SWC to an Access Tandem, SWC to a customer designated end office, Hub to an Access Tandem, Hub to Hub, and Hub to an end office.

BELLSOUTH SWA FGD AND BELLSOUTH SWA TSBSA 3

The term "BellSouth SWA FGD and BellSouth SWA TSBSA 3" denotes the signaling system which is used, by equal access end offices, to transmit originating information and address digits to the customer's premises. Features of this system include overlap outpulsing, identification of the type of call, identification of the ten-digit telephone number of the calling party, and acknowledgment wink supervisory signals.

BELLSOUTH WATS SERVING OFFICE

The term "BellSouth SWA WATS Serving Office" denotes a telephone company designated serving wire center where switching, screening and/or recording functions are performed in connection with the closed-end of BellSouth SWA WATS or BellSouth SWA WATS-type services.

BILLING PERIOD

Each Billing Period is considered to have 30 days.

BIPOLAR WITH 8 ZERO SUBSTITUTION (B8ZS)

The term "Bipolar with 8 Zero Substitution" (B8ZS) denotes a line code which allows transport of an all zero octet over a DS1/1.544 Mbps High Capacity⁽¹⁾ channel. B8ZS enables Clear Channel Capability on DS1/1.544 Mbps High Capacity⁽¹⁾ service.

BIT

The term "Bit" denotes the smallest unit of information in the binary system of notation.

BUSINESS DAY

The term "Business Day" denotes the times of day that a company is open for business. Generally, in the business community, these are 8:00 or 9:00 A.M. to 5:00 or 6:00 P.M., respectively, with an hour for lunch, Monday through Friday, resulting in a standard forty (40) hour work week. However Business Day hours for the Company may vary based on Company Policy, union contract and location. To determine such hours for this Company, or for an individual location within this Company, contact should be made at the address shown at the top of page #1 of this tariff.

Note 1: See Section 2.1.4 for Service availability.

E2. GENERAL REGULATIONS

E2.6 Definitions (Cont'd)

CHANNEL SERVICE UNIT

The term "Channel Service Unit" denotes equipment, which performs one or more of the following functions: termination of a digital facility, regeneration of digital signals, detection and/or correction of signal format errors and remote loop back.

CHANNELIZATION EQUIPMENT

Equipment which derives individual channels of voice and/or data from a higher capacity to a lower capacity or bandwidth or vice versa.

CHANNELIZE

The term "Channelize" denotes the process of multiplexing-demultiplexing wider bandwidth or higher speed channels into narrower bandwidth or lower speed channels and vice versa.

CLEAR CHANNEL CAPABILITY

The term "Clear Channel Capability" denotes the ability to transport twenty-four, 64 Kbps channels over a 1.544 Mbps High Capacity⁽¹⁾ service via B8ZS line code format.

C-MESSAGE NOISE

The term "C-Message Noise" denotes the frequency weighted average noise within an idle voice channel. The frequency weighting, called C-message, is used to simulate the frequency characteristic of the 500-type telephone set and the hearing of the average subscriber.

C-NOTCHED NOISE

The term "C-Notched Noise" denotes the C-message frequency weighted noise on a voice channel with a holding tone, which is removed at the measuring end through a notch (very narrow band) filter.

COMMON LINE

The term "Common Line" denotes a line, trunk, pay telephone line or other facility provided under the General Subscriber Service Tariff of the Company, terminated on a central office switch. A common line-residence is a line or trunk provided under the residence regulations of the General Subscriber Service Tariff. A common line-business is a line provided under the business regulations of the General Subscriber Service Tariff.

Note 1: See Section 2.1.4 for Service availability.

(N)

E2. GENERAL REGULATIONS

E2.6 Definitions (Cont'd)

DUAL TONE MULTIFREQUENCY ADDRESS SIGNALING

The term "Dual Tone Multifrequency Address Signaling" denotes a type of signaling that is an optional feature of **BellSouth SWA FGA** and **BellSouth SWA LSBSA**. It may be utilized when **BellSouth SWA FGA** and **BellSouth SWA LSBSA** is being used in the terminating direction (from the point of termination with the customer to the local exchange end office). An office arranged for Dual Tone Multifrequency Signaling would expect to receive address signals from the customer in the form of Dual Tone Multifrequency signals.

DS0

This denotes a channel service expressed in terms of its digitally encoded data bit rate in accordance with the North American hierarchy of digital signal levels. It is generally referred to as having a 64 Kbps transmission data rate signal; however, customer transmitted bit rates are limited to 56 Kbps. The required format and interface specifications are contained in BellSouth Technical Reference TR-NPL-000341.

DS1⁽¹⁾

This denotes a channel service expressed in terms of its digitally encoded data bit rate in accordance with the North American hierarchy of digital signal levels. It has a 1.544 Mbps transmission data rate, and provides for two-way simultaneous transmission of isochronous timed, Bipolar Return-to-Zero (BPRZ) bit stream format. Unframed signal formats are not permitted or compatible with Company equipment. The required format and interface specifications are contained in BellSouth Technical Reference TR-NPL-000054.

(C)

ECHO CONTROL

The term "Echo Control" denotes the control of reflected signals in a telephone transmission path.

ECHO PATH LOSS

The term "Echo Path Loss" denotes the measure of reflected signal at a 4-wire point of termination without regard to the send and receive Transmission Level Point.

ECHO RETURN LOSS

The term "Echo Return Loss" denotes a frequency weighted measure of return loss over the middle of the voiceband (approximately 500 to 2500 Hz), where talker echo is most annoying.

Note 1: See Section 2.1.4 for Service availability.

(N)

E2. GENERAL REGULATIONS

E2.6 Definitions (Cont'd)

MAJOR FRACTION THEREOF

The term "Major Fraction Thereof" is any period of time in excess of 1/2 of the stated amount of time. As an example, in considering a period of 24 hours, a major fraction thereof would be any period of time in excess of 12 hours exactly. Therefore, if a given service is interrupted for a period of thirty-six hours and fifteen minutes, the customer would be given a credit allowance for two twenty-four hour periods for a total of forty-eight hours.

MARITIME RADIO COMMON CARRIERS (MRCCs)

The term "Maritime Radio Common Carriers (MRCCs)" denotes carriers which are regulated under Part 81 of the Federal Communications Commission's Rules and Regulations.

MESSAGE

The term "Message" denotes a "call" as defined preceding.

MILLIWATT (102 TYPE) TEST LINE

The term "Milliwatt (102 Type) Test Line" denotes an arrangement in an end office which provides a 1004 Hz tone at 0 dBm0 for one-way transmission measurements towards the customer's premises from the Company end office.

MINUTES OF USE

See Access Minutes

MOBILE TELEPHONE SWITCHING OFFICE (MTSO)

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

MOVE

The term "Move" as used in conjunction with the application of move charges for access services denotes a change in the physical location (whether on the same or different premises), when made at the request of the customer without discontinuance of service, of facilities and items of equipment provided by the customer.

The term "Move" as used in connection with Termination Liability charges for private line services under CSPP denotes a change in the physical location from one premises to a different premises in Company territory within the same state and jurisdiction, when made at the request of the customer.

MULTIPOINT CHANNEL

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

NETWORK CHANNEL INTERFACE (NCI) CODE UPDATE⁽¹⁾

The term "Network Channel Interface (NCI) Code Update" denotes the manual or mechanical activity performed to update the NCI Code on each Sub-DS1 level circuit riding a DS1 High Capacity (*a.k.a. BellSouth SPA DS1*) service that is converted (rolled over) to a DS3 High Capacity (*a.k.a. BellSouth SPA DS3*) service.

NETWORK CONTROL SIGNALING

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

NETWORK INTERFACE

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

Note 1: See Section 2.1.4 for Service availability.

E5. ORDERING OPTIONS FOR BELL SOUTH SPECIAL ACCESS (A.K.A. BELL SOUTH SPA) SERVICE

E5.2 Access Order (Cont'd)

E5.2.4 Cancellation Of An Access Order (Cont'd)⁽²⁾

B. (Cont'd)

4. (Cont'd)

- d. When a customer cancels an access order, or part of an access order, before the service date, the Company will apply cancellation charges to the order. Cancellation charges are calculated by multiplying all the nonrecurring charges associated with the order, or that part of the order being cancelled, by the percentage shown in e. following for the critical date last completed on the order¹.

e. Cancellation Charge Percentages

Type Service/

Critical

Dates

SPECIAL ACCESS (a.k.a. BellSouth SPA)

WATS (a.k.a. BellSouth SPA)

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

After:
Before:

APP
SID

SID
LAM

LAM
EIRD

EIRD
DLRD

DLRD
RID

RID
DVA

1.6%

5.9%

9.4%

12.6%

16.0%

22.3%

1.6%

5.9%

9.4%

12.6%

16.0%

22.3%

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

Digital Data Access (a.k.a. BellSouth SPA DSO Digital Data)

BellSouth Metro Ethernet service

7.9%

17.8%

19.9%

23.3%

28.1%

34.9%

1.6%

5.9%

9.4%

11.1%

21.8%

23.8%

11.6%

33.1%

42.9%

44.8%

47.3%

53.1%

Type Service/

Critical

Dates

SPECIAL ACCESS (a.k.a. BellSouth SPA)

WATS (a.k.a. BellSouth SPA)

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

After:
Before:

DVA
WOT

WOT
FCD

FCD
PTD

PTD
DD

DD

35.9%

45.4%

58.1%

84.7%

100.0%

35.9%

45.4%

58.1%

84.7%

100.0%

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

Note 2: See Section 2.1.4 for Service availability.

E5. ORDERING OPTIONS FOR BELL SOUTH SPECIAL ACCESS (A.K.A. BELL SOUTH SPA) SERVICE

E5.2 Access Order (Cont'd)

E5.2.4 Cancellation Of An Access Order (Cont'd)⁽¹⁾

B. (Cont'd)

4. (Cont'd)

e. Cancellation Charge Percentages (Cont'd)

Type Service/ Critical Dates	After: Before:	DVA WOT	WOT FCD	FCD PTD	PTD DD	DD
High Capacity (a. k. a. BellSouth SPA High Capacity)		48.1%	57.7%	63.9%	84.1%	100.0%
Digital Data Access (a. k. a. BellSouth SPA DSO Digital Data)		34.2%	41.0%	52.5%	81.5%	100.0%
BellSouth Metro Ethernet service		53.1%	69.9%	85.6%	94.9%	100.0%

5. The provisions of Sections E5.2.B.4.1-4 above shall not apply to cancellations of Access Orders for AT&T Switched Ethernet Service. Cancellation charges for AT&T Switched Ethernet Service are applied based upon the tiered fee schedule outlined below. When a customer cancels an Access Order (or a part of an order) for AT&T Switched Ethernet Service, cancellation charges will apply, even when nonrecurring installation charges would otherwise be waived. Cancellation charges will be calculated based on the number of calendar days between the Company's receipt of the Access Order and the cancellation date. A cancellation charge will apply on a per port connection basis as shown in the table below:

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

- C.** When a customer cancels an order service for BellSouth Dedicated Ring, SMARTRing service (a.k.a. BellSouth Dedicated Ring) or BellSouth Wavelength service prior to the beginning of the selected service period, the customer will be liable for all capital expenses incurred by the Telephone Company in provisioning the BellSouth Dedicated Ring, SMARTRing service (a.k.a. BellSouth Dedicated Ring) or BellSouth Wavelength service, as of the date the order is canceled by the customer. The charges billed to the customer will not exceed an amount equal to the minimum period for the service as set forth in Section E5.2.6 and E7.4 of this guidebook at the month-to-month rates set forth in Section E7.5 of this Guidebook. Such charges will be billed in addition to and subsequent to the cancellation charges set forth in Section E5.2.4.B.
- D.** When a customer cancels an order for the discontinuance of service, no charges apply for the cancellation.
- E.** If the Company misses a service date by more than thirty days due to circumstances over which it has direct control (excluding, e.g., acts of God, governmental requirements, work stoppages and civil commotions), the customer may cancel the Access Order without incurring cancellation charges.

Note 1: See Section 2.1.4 for Service availability.

(N)

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

CONTENTS

E7.1 General		1	
E7.1.1 Channel Types		1	
E7.1.2 Rate Categories		2	
E7.1.3 Service Configurations		3	1
E7.1.4 Alternate Use		5	
E7.1.5 Special Facilities Routing		6	
E7.1.6 Design Layout Report		6	
E7.1.7 Acceptance Testing		6	
E7.1.8 Ordering Options And Conditions		6	
E7.2 Service Descriptions		8	
E7.2.1 Reserved for Future Use		8	
E7.2.2 Reserved for Future Use		9	
E7.2.3 Voice Grade (a.k.a. BellSouth SPA DS0 VG) Services		9	
E7.2.4 Reserved for Future Use		17	
E7.2.5 Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data) Service		18	
E7.2.6 High Capacity (a.k.a. BellSouth SPA High Capacity) Service ⁽¹⁾		19.1	(C)
E7.2.7 Reserved For Future Use		21	
E7.2.8 Reserved For Future Use		21	
E7.2.9 Reserved For Future Use		21	
E7.2.10 Reserved For Future Use		21.1	
E7.2.11 Reserved For Future Use		21.1	
E7.2.12 Reserved For Future Use		21.1	
E7.2.13 Reserved For Future Use		21.1	
E7.2.14 (DELETED)		21.1	
E7.2.15 Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) Service ⁽¹⁾		21.2	(C)
E7.2.16 SMARTRing service (a.k.a. BellSouth Dedicated Ring)		21.4	
E7.2.17 Reserved For Future Use		21.6	
E7.2.18 BellSouth Metro Ethernet service		21.7	
E7.3 Channel Interface And Network Channel Codes		22	
E7.3.1 Glossary Of Channel Interface Codes And Options		22	
E7.3.2 Impedance		25	
E7.3.3 Digital Hierarchy Channel Interface Codes (4DS)		25	
E7.3.4 Service Designator/Network Channel Code Conversion Table		26	

Note 1: See Section 2.1.4 for Service availability.

(N)

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

CONTENTS

E7.4	Rate Regulations	27	
E7.4.1	Types Of Rates And Charges	27	
E7.4.2	Surcharge For Special Access (a.k.a. BellSouth SPA) Service	29	
E7.4.3	Reserved For Future Use	31	
E7.4.4	Minimum Periods	31	
E7.4.5	Moves	31	
E7.4.6	Mileage Measurement	31	
E7.4.7	Facility Hubs	32.1	
E7.4.8	Shared Use Analog And Digital High Capacity (a.k.a. BellSouth SPA High Capacity) Services ⁽²⁾	32.2	(C)
E7.4.13	Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) Service ⁽²⁾	33.3	(C)
E7.4.14	SMARTRing service (a.k.a. BellSouth Dedicated Ring)	33.3.1	
E7.4.15	Reserved For Future Use	33.4	
E7.4.16	Reserved For Future Use	33.4	
E7.4.17	Reserved For Future Use	33.4	
E7.4.18	Zone Pricing	33.4	
E7.4.19	Reserved For Future Use	33.4	
E7.4.20	Reserved For Future Use	33.4	
E7.4.21	Reserved For Future Use	33.4	
E7.4.22	Reserved For Future Use	33.4	
E7.4.23	Reserved For Future Use	33.4	
E7.4.24	Reserved For Future Use	33.4	
E7.4.25	Reserved For Future Use	33.4	
E7.4.26	Reserved For Future Use	33.4	
E7.4.27	Reserved For Future Use	33.4	
E7.4.28	Reserved For Future Use	33.4	
E7.4.29	Reserved For Future Use	33.4	
E7.4.30	Reserved For Future Use	33.4	
E7.4.31	Reserved For Future Use	33.4	
E7.4.32	BellSouth Metro Ethernet service	33.5	

Note 1: (DELETED)

Note 2: See Section 2.1.4 for Service availability.

(N)

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

CONTENTS

E7.5 Rates And Charges	33.11	
E7.5.1 Reserved for Future Use	33.11	
E7.5.2 Reserved for Future Use	34	
E7.5.3 Voice Grade (a.k.a. BellSouth SPA DS0 VG) Service	35	
E7.5.4 Reserved for Future Use	39	
E7.5.5 Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data) Service	41	
E7.5.6 High Capacity (a.k.a. BellSouth SPA High Capacity) Service ⁽¹⁾	42.2	(C)
E7.5.7 Reserved For Future Use	45.2	
E7.5.8 Special Access (a.k.a. BellSouth SPA) Surcharge	45.2	
E7.5.9 Reserved For Future Use	46	
E7.5.10 Reserved For Future Use	46	
E7.5.11 Reserved For Future Use	46	
E7.5.12 Reserved For Future Use	46	
E7.5.13 Transfer of Service	46	
E7.5.14 (DELETED)	46	
E7.5.15 Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) Service ⁽¹⁾	46.1	(C)
E7.5.16 BellSouth SPA CNM - FlexServ Service ⁽¹⁾	46.2	(C)
E7.5.17 Reserved For Future Use	46.3	
E7.5.18 SMARTRing service (a.k.a. BellSouth Dedicated Ring	47	
E7.5.19 Reserved For Future Use	51	
E7.5.20 Reserved For Future Use	51	
E7.5.21 Reserved For Future Use	51	
E7.5.22 Reserved For Future Use	51	
E7.6 ICB Rates And Charges	57	

Note 1: See Section 2.1.4 for Service availability.

(N)

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

E7.1 General⁽⁴⁾

(C)

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

The connections provided by Special Access (a.k.a. BellSouth SPA) service can be either analog or digital. Analog connections are differentiated by spectrum and bandwidth. Digital connections are differentiated by bit rate.

E7.1.1 Channel Types

- A. There are different types of channels used to provide Special Access (a.k.a. BellSouth SPA) services. Each type has its own characteristics. All are subdivided by one or more of the following:
 - 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.
- D. Following is a brief description of each type of channel:
 1. **(DELETED)**
 2. **(DELETED)**
 3. Voice Grade³ (a.k.a. BellSouth SPA DS0 VG) - a channel for the transmission of analog signals within an approximate bandwidth of 300-3000 Hz.
 4. WATS Access Line³ (a.k.a. BellSouth SPA WATS Line) (WAL) - a channel from a customer designated premises to a WATS serving office for 800, WATS or similar service.
 5. **(DELETED)**
 6. **(DELETED)**
 7. Digital Data Access³ (a.k.a. BellSouth SPA DS0 Digital Data)- a channel for the digital transmission of synchronous serial data at rates of 2.4, 4.8, 9.6 or 56.0 kbps.
 8. High Capacity (a.k.a. BellSouth SPA High Capacity) - a channel for the transmission of isochronous serial digital data at rates of 1.544, 3.152, 6.312 or 44.736 Mbps.
 9. Derived Data Channel³ (a.k.a. BellSouth SPA Derived Data Channel) - a digital data channel derived from a two-wire local exchange facility that transmits voice and data signals simultaneously.

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

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

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: See Section 2.1.4 for Service availability.

(N)

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

E7.1 General (Cont'd)

E7.1.1 Channel Types (Cont'd)⁽³⁾

(C)

- E. Detailed descriptions of each of the channel types are provided in E7.2 following.
1. The customer also has the option of ordering digital high capacity facilities (i.e., 1.544 Mbps, 3.152 Mbps, 6.312 Mbps and 44.736 Mbps) to a Company Hub for channelization to individual channels of a lower capacity. Descriptions of the types of channelization available at the hubs, as well as the number of individual channels which may be derived from each type of facility are set forth in E7.2 following. Additionally, the customer may specify optional features for the individual channels derived from the facility to further tailor the channel to meet specific communications requirements. Descriptions of the optional features and functions available are also set forth in E7.2 following.
 2. For example, a customer may order a 44.736 Mbps facility from a customer designated premises to a Company Hub for channelization to twenty-eight 1.544 Mbps channels. The 1.544 Mbps channels may be further channelized at the same or a different Hub to Voice Grade¹ (a.k.a. BellSouth SPA DS0 VG) channels or may be extended to other customer designated premises. Optional features may be added to either the 1.544 Mbps or the Voice Grade¹ (a.k.a. BellSouth SPA DS0 VG) channels.

E7.1.2 Rate Categories

- A. There are four basic rate categories which apply to Special Access (a.k.a. BellSouth SPA) service:
1. Local Channels (described in B. following)
 2. Interoffice Channel (described in C. following)
 3. Optional Features and Functions (described in D. following)
 4. SMARTRing^{®2} service (a.k.a. BellSouth Dedicated Ring)
- B. Local Channel
The Local Channel rate category provides for the communications path between the demarcation point at a customer premises and the serving wire center of that premises. Included as part of the Local Channel is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. The signaling capability itself is provided as an optional feature as set forth in C. following. One Local Channel charge applies per customer designated premises at which the channel is terminated. This charge will apply even if the customer premises and the serving wire center are co-located in a Company building.
- C. Interoffice Channel
The Interoffice Channel rate category provides for the transmission facilities between the serving wire centers associated with two customer designated premises, between a serving wire center associated with a customer designated premises and a Company Hub or between two Company Hubs. Interoffice Channel mileage is portrayed in mileage bands. There are two rates that apply for each band, i.e., a flat rate per band and a rate per mile.
- D. Optional Features and Functions
The Optional Features and Functions rate category provides for optional features and functions which may be added to a Special Access (a.k.a. BellSouth SPA) service to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific equipment, but rather represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of equipment. Although the equipment necessary to perform a specified function may be installed at various locations along the path of the service, they will be charged for as a single rate element.

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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

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

Note 3: See Section 2.1.4 for Service availability.

(N)

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

E7.1 General (Cont'd)

E7.1.2 Rate Categories (Cont'd)⁽²⁾

(C)

D. Optional Features and Functions (Cont'd)

Examples of Optional Features and Functions that are available include, but are not limited to, the following:

- Signaling Capability
- Hubbing Functions
- Conditioning
- BellSouth SPA CNM - FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration)

A Hub is a Company designated serving wire center at which bridging or channelization functions are performed. The bridging functions performed are to connect three or more customer designated premises in a multipoint arrangement. The channelization functions are to channelize analog or digital facilities to individual services requiring a lower capacity. National Exchange Carrier Association Tariff FCC No. 4 identifies serving wire centers, Hub locations and the type of bridging or channelization functions available.

Descriptions for each of the available Optional Features and Functions are set forth in E7.2 following.

E. Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing¹ service [a.k.a. BellSouth Dedicated Ring])

1. Customer Node

Customer Nodes provide ring switching capabilities at customer designated locations other than Telephone Company Premises that are part of SMARTRing service (a.k.a. BellSouth Dedicated Ring). This rate element offers OC-3, OC-3+, OC-12, OC-48, or OC-48+ network capacities. An OC-1 network capacity is available only in an Overlay Ring Arrangement riding the customer's host OC-12, OC-48, or OC-48+ SMARTRing service (a.k.a. BellSouth Dedicated Ring) installed on or after June 3, 1994. A summary of the channel interfaces available with each node are specified in E7.2.16.A following.

2. Customer Channel Interface

A Customer Channel Interface provides DS1, DS3, STS-1 electrical channelization and/or OC-3 and/or OC-12 optical channelization that may take place at each Customer Node of SMARTRing service (a.k.a. BellSouth Dedicated Ring). The Customer Channel Interface rate element applies for every interface capacity that originates or terminates at a Customer Node. A summary of the channel interfaces available with each node are specified in E7.2.16.A. following.

3. Central Office Node

Central Office Nodes provide ring switching capabilities at Telephone Company Central Offices that are a part of SMARTRing service (a.k.a. BellSouth Dedicated Ring). This rate element offers OC-3, OC-3+, OC-12, OC-48, and OC-48+ network capacities. An OC-1 network capacity is available only in an Overlay Ring Arrangement riding the customer's host OC-12, OC-48 or OC-48+ SMARTRing service (a.k.a. BellSouth Dedicated Ring) installed on or after June 3, 1994. A summary of the channel interfaces available with each node are specified in E7.2.16.A. following.

4. Central Office Channel Interface

A Central Office Channel Interface provides DS1, DS3, STS-1 electrical channelization and/or OC-3 and/or OC-12 optical channelization that may take place at each Central Office Node located on SMARTRing service (a.k.a. BellSouth Dedicated Ring). The Central Office Channel Interface rate element applies for every interface capacity that originates or terminates at a Central Office Node. A summary of the channel interfaces available with each node are specified in E7.2.16.A. following. Customers with DS3 or STS-1 interfaces at the Customer Node electing to connect with DS1 services at a Central Office Node, must obtain a 28-DS1 Channel System.

5. Local Channel

The Local Channel rate category provides for the communications path between a Customer Node and the serving wire center of the premises where located. Charges for Local Channels apply as described in A. preceding. It is available with all capacities of SMARTRing service (a.k.a. BellSouth Dedicated Ring) except OC-1.

6. Alternate Central Office Channel

The Alternate Central Office Channel provides for the communications path between a customer node and an alternate central office. It is available with all capacities of SMARTRing service (a.k.a. BellSouth Dedicated Ring) except OC-1.

Note 1: 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.

Note 2: See Section 2.1.4 for Service availability.

(N)

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

E7.1 General (Cont'd)

E7.1.2 Rate Categories (Cont'd)⁽³⁾

(C)

- D. Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing¹ service [a.k.a. BellSouth Dedicated Ring]) (Cont'd)**
7. **Interoffice Channel**
The Interoffice Channel provides for the communications path between directly connected Telephone Company central offices located on a SMARTRing service (a.k.a. BellSouth Dedicated Ring). It is available with all capacities of SMARTRing service (a.k.a. BellSouth Dedicated Ring) except OC-1. This rate element does not apply where Central Office Nodes are adjacently connected in the same Central Office on the same SMARTRing service (a.k.a. BellSouth Dedicated Ring) for the purpose of providing additional node capacity.
 8. **Internodal Channel**
The Internodal Channel provides for the communications path between two directly connected Customer Nodes of a given SMARTRing service (a.k.a. BellSouth Dedicated Ring) located (a) in the same Serving Wire Center area or (b) in the same Office Park/Campus Environment or contiguous property, located in contiguous Serving Wire Center areas. It is available with all capacities of SMARTRing service (a.k.a. BellSouth Dedicated Ring) except OC-1. This rate element does not apply where Customer Nodes are adjacently connected in the same building on the same SMARTRing service (a.k.a. BellSouth Dedicated Ring) for the purpose of providing additional node capacity.
 9. **Channel Interface Capacity Reallocation**
Channel Interface Capacity Reallocation allows the customer to reallocate STS-1, DS3 capacity interfaces at each node subsequent to the initial service installation.
- E. Access Collocation Cross-Connects**
Access Collocation Cross-Connects provide a means for customers to interconnect their Shared Use Digital High Capacity (a.k.a. BellSouth SPA High Capacity) 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.

E7.1.3 Service Configurations

There are three types of service configurations over which Special Access (a.k.a. BellSouth SPA) services are provided: two-point service, multipoint service and SMARTRing¹ service (a.k.a. BellSouth Dedicated Ring)

Note 1: 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.

Note 2: (DELETED)

Note 3: See Section 2.1.4 for Service availability.

(N)

E7. SPECIAL ACCESS (A.K.A. BELL SOUTH 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 Grade¹ (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 of service. Additionally, for Voice Grade¹ (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, WATS Access Line¹ (a.k.a. BellSouth SPA WATS Line), digital services (i.e., Digital Data Access¹ (a.k.a. BellSouth SPA DS0 Digital Data), WATS Access Line¹ (a.k.a. BellSouth SPA WATS Line) and High Capacity (a.k.a. BellSouth SPA High Capacity⁽²⁾)), acceptance tests will include tests for the parameters applicable to the service as specified in the order for service.
- B. In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade¹ (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 Data Change Charges, Cancellation Charges, etc.)
- C. For the purposes of ordering, there are *different* categories of Special Access (a.k.a. BellSouth SPA) service. These are:
 1. (DELETED)
 2. (DELETED)
 3. Voice Grade¹ (a.k.a. BellSouth SPA DS0 VG) (VG)

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Note 2: See Section 2.1.4 for Service availability.

(C)

(N)

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

E7.1 General (Cont'd)

E7.1.8 Ordering Options And Conditions (Cont'd)⁽³⁾

(C)

- C. For the purposes of ordering, there are ten categories of Special Access (a.k.a. BellSouth SPA) service. These are: (Cont'd)
4. **(DELETED)**
 5. Digital Data Access¹ (a.k.a. BellSouth SPA DSO Digital Data) service (DDAS)
 6. High Capacity (a.k.a. BellSouth SPA High Capacity) (HC)
 7. WATS Access Line¹ (a.k.a. BellSouth SPA WATS Line) (WAL)
 8. Derived Data Channel¹ (a.k.a. BellSouth SPA Derived Data Channel) service
 9. Self-Healing Rings (SMARTRing² 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, 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 grade¹ 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.
- 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:

Voice Grade¹ (a.k.a. BellSouth SPA DSO VG)

TR-NPL-000335

PUB 41004, Table 4

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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

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

Note 3: See Section 2.1.4 for Service availability.

(N)

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

E7.1 General (Cont'd)

E7.1.8 Ordering Options And Conditions (Cont'd)⁽²⁾

(C)

- I. (Cont'd)
- Digital Data Access¹ (*a.k.a. BellSouth DSO Digital Data*)
- For 2.4, 4.8, 9.6 and 56.0 Kbps
- For 19.2 Kbps
- For 64.0 Kbps
- High Capacity (*a.k.a. BellSouth SPA High Capacity*)
- WATS Access Line¹ (*a.k.a. BellSouth SPA WATS Line*)
- Derived Data Channel¹ service (*a.k.a. BellSouth Derived Data Channel*)

TR-NPL-000341

BellCore PUB 623110

INC. BULLETIN

CB-INC-100

AT&T PUB 62310

TR-NPL-000342

PUB 62411

TR-NPL-000334

BellSouth TR-73548

BellSouth TR-73548, Addendum 1

E7.2 Service Descriptions

E7.2.1 Reserved for Future Use

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Note 2: See Section 2.1.4 for Service availability.

(N)

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

E7.2 Service Descriptions (Cont'd)⁽²⁾

(C)

E7.2.3 Voice Grade¹ (a.k.a. BellSouth SPA DS0 VG) Service (Cont'd)

D. Optional Features And Functions (Cont'd)

8. Improved Termination

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

9. Simplex Reversal

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

10. **BellSouth SPA CNM** - FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration)

BellSouth SPA CNM - FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) provides the customer the ability to monitor and reconfigure Voice Grade (a.k.a. BellSouth SPA DS0 VG) service provided by the Company.

BellSouth SPA CNM - FlexServ service (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.

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

	Available with Technical Specifications Package VG-											
	1	2	3	4	5	6	7	8	9	10	11	12
C-Type Conditioning					X	X	X	X	X	X		
Improved Attenuation												
Distortion					X	X	X	X	X	X		
Improved Envelope												
Delay Distortion					X	X	X	X	X	X		
Central Office												
Bridging												
Capability			X		X	X				X	X	X
Customer Specified												
Premises Receive												
Level			X	X			X	X	X			
D-Conditioning						X	X		X			
Echo Control												
Improved Return												
Loss			X	X			X					
ELEPL2		X	X	X		X		X				
BellSouth SPA CNM - FlexServ service	X	X	X	X	X	X	X	X	X	X	X	X
Improved Termination	X	X	X	X	X	X	X	X	X	X	X	X
Simplex Reversal	X	X	X				X	X	X			

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Note 2: See Section 2.1.4 for Service availability.

(N)

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

E7.2 Service Descriptions (Cont'd)

E7.2.3 Voice Grade¹ (a.k.a. BellSouth SPA DS0 VG) Service (Cont'd)

F. WATS Access Line¹ (WAL) (a.k.a. BellSouth SPA WATS Line) service (Cont'd)

1. Basic Channel Description (Cont'd)

c. (Cont'd)

WATS Access Line (a.k.a. BellSouth SPA WATS Line) service is arranged for either originating calling or terminating calling. It is provided with either rotary dial or dual tone multifrequency address signaling and either loop start, ground start, E & M or reverse battery supervisory signaling. The choice of the type of signaling is at the option of the customer and subject to the technical limitations identified in the Technical Reference TR-NPL-000334. WATS Access Line (a.k.a. BellSouth SPA WATS Line) service is provided as an effective two-wire, an effective four-wire or a DS1 (i.e., 1.544 Mbps)⁽²⁾ transmission path. The DS1 WAL is only available as a trunk side termination on suitably equipped electronic switch, e.g., 1/1A ESS with Digital Carrier Termination (DCT) or DMS-100 with a Line Trunk Unit (LTU).

(C)

2. Technical Specification Packages

Parameters	Package WAL -		
	1	2	3
Attenuation Distortion	X	X	
Bit error rate			X
C-Message Noise	X	X	
Echo Control	X	X	
Envelope Delay Distortion	X	X	
Frequency Shift	X	X	
Impulse Noise	X	X	
Intermodulation Distortion	X	X	
Loss Deviation	X	X	
Phase Jitter	X	X	
Signal-to-C Notch Noise	X	X	

The technical specifications are delineated in Technical Reference TR-NPL-000334.

3. The following interfaces are available with WAL Service:

LO, LS, DS, GO, GS, RV, EA, EB

Compatible channel interfaces are set forth in Technical Reference TR-NPL-000334.

4. Optional Features and Functions

- Two-wire and four-wire Central Office bridging capability.
- Improved two-wire voice transmission specifications.
- Certain other options associated with WAL services such as WATS (a.k.a. BellSouth SPA WATS Line) Access Line Nonchargeable Termination Options and Common Switching Optional Features are available as defined in Section E6. preceding.

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Note 2: See Section 2.1.4 for Service availability.

(N)

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

E7.2 Service Descriptions (Cont'd)⁽³⁾

(C)

E7.2.5 Digital Data Access² (a.k.a. BellSouth SPA DS0 Digital Data) Service (Cont'd)

B. Technical Specifications Packages (Cont'd)

Interface options and service objectives for Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data) service are delineated in Technical Reference TR-NPL-000341.

C. Channel Interfaces

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

CI	Bit Rate
DU-24(S) ¹	2.4 Kbps
DU-48(S) ¹	4.8 Kbps
DU-96(S) ¹	9.6 Kbps
DU-19(S) ¹	19.2 Kbps
DU-56(S) ¹	56.0 Kbps
DU-64	64.0 Kbps

Compatible channel interfaces are set forth in Technical Reference TR-NPL-000-341.

D. Optional Features and Functions

1. Central Office Bridging Capability
2. Secondary Channel Capability
3. **BellSouth SPA CNM** - FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration)

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

4.

Note 1: (S) is an additional BellSouth designation for use when the optional Secondary Channel feature is required.

Note 2: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Note 3: See Section 2.1.4 for Service availability.

(N)

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

E7.2 Service Descriptions (Cont'd)⁽²⁾

(C)

E7.2.5 Digital Data Access¹ (a.k.a. BellSouth SPA DS0 Digital Data) Service (Cont'd)

D. Optional Features and Functions (Cont'd)

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

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

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Note 2: See Section 2.1.4 for Service availability.

(N)

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

E7.2 Service Descriptions (Cont'd)

E7.2.6 High Capacity (a.k.a. BellSouth SPA High Capacity) Service⁽⁴⁾

(C)

A. Basic Channel Description

A High Capacity (*a.k.a. BellSouth SPA High Capacity*) channel is a channel for the transmission of nominal 64.0 Kbps^{1, 3} or 1.544, 3.152, 6.312 or 44.736 Mbps isochronous serial data. The actual bit rate is a function of the channel interface selected by the customer. High Capacity (*a.k.a. BellSouth SPA High Capacity*) channels are provided between customer designated premises or between a customer designated premises and a Company Hub. The customer will provide the Network Channel Terminating Equipment associated with the High Capacity (*a.k.a. BellSouth SPA High Capacity*) channel at the customer's premises. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

B. Technical Specifications Packages

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

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

C. Channel Interfaces

The following channel interfaces (CIs) define the bit rates that are available for a High Capacity (*a.k.a. BellSouth SPA High Capacity*) channel:

CI	Bit Rate
DS-15 ^{2, 3}	1.544 Mbps (DS1)
DS-31	3.152 Mbps (DS1C)
DS-44	44.736 Mbps (DS3)
DS-63	6.312 Mbps (DS2)

Compatible channel interfaces are set forth in Technical Reference TR-NPL-000342.

- Note 1: Available only as a cross connect (through connection) of two 2.4, 4.8, 9.6, 19.2, 56.0 or 64.0 Kbps channels of two 1.544 Mbps facilities to a Digital Data (*a.k.a. BellSouth SPA DS0 Digital Data*) Hub(s). The customer must provide system and channel assignment data.
- Note 2: A 64.0 Kbps channel is available as a channel(s) of a 1.544 Mbps facility to a Company hub.
- Note 3: Effective June 30, 2021, 64.0 Kbps will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.
- Note 4: See Section 2.1.4 for Service availability.

(N)

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)⁽¹⁾

(C)

D. Optional Features and Functions

1.

Pending

2. 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 TN-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 channel (*a.k.a. BellSouth SPA DS1*) 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.

Note 1: See Section 2.1.4 for Service availability.

(N)

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)⁽²⁾

(C)

D. Optional Features and Functions (Cont'd)

3. Channelization

a. DS3 to DS1

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

b. DS2 to DS1

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

c. DS1C to DS1

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

d. DS1 Basic Channelization System

An arrangement that channelizes a 1.544 Mbps channel to a maximum of twenty-four 64.0 Kbps channels that may be used to activate both analog and digital services, e.g., voice grade and digital data access service. A DS1 Basic Channelization System requires a Central Office Channel Interface for each channel of lesser capacity.

e. 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 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 Customer 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.

5. **BellSouth SPA CNM** - FlexServ service

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

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Note 2: See Section 2.1.4 for Service availability.

(N)

E7.2 Service Descriptions (Cont'd)

(C)

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

0	1	1C	2	3
---	---	----	---	---

Channelization:			
DS3 to DS1			X
DS2 to DS1			X
DS1C to DS1		X	
DS1 Basic Channelization System		X	
DS0 Basic Channelization System ^{1,2}	X		
Clear Channel Capability		X	
BellSouth SPA CNM - FlexServ Service	X	X	

E7.2.9 Reserved for Future Use

(N)

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

E7.2 Service Descriptions (Cont'd)

E7.2.14 (DELETED) (Cont'd)

E7.2.15 Derived Data Channel¹ (a.k.a. BellSouth SPA Derived Data Channel) Service⁽²⁾

(C)

A. Basic Service Description

Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) service (DDCS) provides full-duplex asynchronous or synchronous data transmission utilizing data over voice and subrate multiplexing technology. DDCS (a.k.a. BellSouth SPA Derived Data Channel) provides simultaneous data and voice transmissions over the customer's existing two-wire local exchange facility. A derived data channel is provided between the customer's premises and the customer's serving wire center.

At the customer's serving wire center the data/voice terminating equipment provides subrate multiplexing into a standard DS0-B interface for a group composed of a maximum of twenty derived data channels. The customer's derived data channel must be associated with a DS0-B interface. This association requires coordination between the subscriber of the derived data channel and the subscriber of the DS0-B interface. An interoffice channel is provided for interconnection of the subrate multiplexed DS0-B interface to the serving wire center of a customer designated premises.

DDCS (a.k.a. BellSouth SPA Derived Data Channel) is provided subject to the availability of appropriate network facilities and equipment and subject to the transmission limitations of the facilities and equipment used by the Company.

The customer will be responsible for selecting his own Customer Premises Equipment (CPE). CPE must be compatible with the Company provided terminating equipment at the serving wire center.

Note 1:Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Note 2:See Section 2.1.4 for Service availability.

(N)

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

E7.2 Service Descriptions (Cont'd)

E7.2.15 Derived Data Channel¹ (a.k.a. BellSouth SPA Derived Data Channel) Service (Cont'd)⁽²⁾

(C)

B. Channel Interfaces

The following channel interface (CI) is available for DDCCS (a.k.a. BellSouth SPA Derived Data Channel).

CI

2DV5.BA

Bit Rate

2.4 Kbps, Digital Data Over Voice¹

Compatible channel interface specifications are contained in BellSouth Technical Reference Publication 73548 for data/voice multiplexing equipment and BellSouth Technical Reference 73548, Addendum 1, for the DS0-B interface. These publications are available from the Information Exchange Manager, BellSouth Telecommunications, Inc., Documentations Operations, North W5A1, 3535 Colonnade Parkway, Birmingham, Alabama 35243.

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Note 2: See Section 2.1.4 for Service availability.

(N)

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

E7.3 Channel Interface And Network Channel Codes

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

Example: If the customer specifies a NT Network Channel Code and a ZDC8-3 Channel Interface at the customer's premises, the following is being requested:

1. NT = Metallic¹ Channel with a Predefined Technical Specification Package (1)
2. 2 = Number of physical wires at customer premises
3. DC = Facility interface for direct current or voltage
4. 8 = Variable impedance level
5. 3 = Metallic¹ facilities (DC continuity) for direct current/low frequency control signals or slow speed data (30 baud)

E7.3.1 Glossary Of Channel Interface Codes And Options⁽²⁾

(C)

Code - Option	Definition
AB -	Accepts 20 Hz ringing signal at customer's point of termination
AC -	Accepts 20 Hz ringing signal at the customer's end user's point of termination
CS -	Digital hierarchy interface at Digital Crossconnect System (DCS)
- EA	E & M Signaling
- GO	Ground Start Loop Signaling-Open End
- GS	Ground Start Loop Signaling-Closed End
- LO	Loop Start Loop Signaling-Open End
- LS	Loop Start Loop Signaling-Closed End
- NO	Transmission Only - No Signaling
- R	(DSO)Customer Reconfigurable Voice Grade Service ¹
- 10R	DS1 to DS0 Customer Reconfigurable ¹
- 10	DS1 to DS0 ¹
- 11R	DS1 to DS1 Customer Reconfigurable
- 11	DS1 to DS1
- SP	Resistive Type: Split Path Operation for Data Polling Conference Type
- CF	Resistive Type: Split Path Operation for Symmetrical Voice Conference Type
- BC	CO Bridging: Broadcast for Broadcast Conference Type
CT -	Centrex Type Services Tie Trunk Termination
DA -	Data stream in VF frequency band at customer's end user's point of termination
DB -	Data stream in VF frequency band at customer's point of termination
- 10	VF for TG1 and TG2
- 43	VF for 43 Telegraph ¹ Carrier type signals, TG1 and TG2

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Note 2: See Section 2.1.4 for Service availability.

(N)

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

E7.3 Channel Interface And Network Channel Codes (Cont'd)

E7.3.1 Glossary Of Channel Interface Codes And Options (Cont'd)⁽¹⁾

(C)

Code - Option	Definition
DS -	Digital hierarchy interface
- 1K	1.544 Mbps (DS1) ANSI Extended Superframe (ESF) format
- 1S	1.544 Mbps (DS1) ANSI Extended Superframe (ESF) format and B8ZS Clear Channel Capability
- 15	1.544 Mbps (DS1) Superframe (SF) format
- 15B	1.544 Mbps (DS1) Superframe (SF) format and B8ZS Clear Channel Capability
- 15E	8-bit PCM encoded in one 64 Kbps of the DS1 signal
- 15F	8-bit PCM encoded in two 64 Kbps of the DS1 signal
- 15G	8-bit PCM encoded in three 64 Kbps of the DS1 signal
- 15H	14/11-bit PCM encoded in six 64 Kbps of the DS1 signal
- 15J	1.544 Mbps format per PUB 41451 (only available to U.S. Govt. agencies)

Note 1: See Section 2.1.4 for Service availability.

(N)

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

E7.3 Channel Interface And Network Channel Codes (Cont'd)

E7.3.1 Glossary Of Channel Interface Codes And Options (Cont'd)⁽³⁾

(C)

Code - Option	Definition
- 31	3.152 Mbps (DS1C)
- 31L	3.152 Mbps (DS1C) with SF signaling
- 44	44.736 Mbps (DSB)
- 44L	44.736 Mbps (DSB) with SF signaling
- 63	6.312 Mbps (DS2)
- 63L	6.312 Mbps (DS2) with SF signaling
DU -	Digital access interface
- 19(S)	19.2 Kbps ^{1,2}
- 24(S)	2.4 Kbps ^{1,2}
- 48(S)	4.8 Kbps ^{1,2}
- 56(S)	56.0 Kbps ^{1,2}
- 64(S)	64.0 Kbps ²
- 96(S)	9.6 Kbps ^{1,2}
- 1KN	DS1 (1.544 Mbps) ANSI Extended Superframe (ESF) Format per TR-NPL-000054 without line power
- 1SN	DS1 (1.544 Mbps) ANSI Extended Superframe (ESF) Format per TR-NPL-000054, with B8ZS Clear Channel Capability and without line power
- A	DS1 (1.544 Mbps) free-framing format per PUB 41451 with line power (only available to U. S. Govt. agencies)
- AN	DS1 (1.544 Mbps) free-framing format per PUB 41451 without line power (only available to U. S. Govt. agencies)
- BN	DS1 (1.544 Mbps) Superframe (SF) Format per TR-NPL-000054 without line power
- DN	DS1 (1.544 Mbps) Superframe (SF) Format per TR-NPL-000054, with B8ZS Clear Channel Capability and without line power.
- SN	1.544 Mbps (DS1) "ANSI" Extended Superframe (ESF) format and B8ZS Clear Channel Capability
DV -	Data Over Voice Multiplexing ²
- BC	Digital Data ²
DX -	Duplex signaling interface at customer's point of termination
DY -	Duplex signaling interface at customer's end user's point of termination.

Note 1: (S) is an additional BellSouth designation for use when the optional Secondary Channel feature is required.

Note 2: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Note 3: See Section 2.1.4 for Service availability.

(N)

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

E7.3 Channel Interface And Network Channel Codes (Cont'd)

E7.3.1 Glossary Of Channel Interface Codes And Options (Cont'd)

Code - Option	Definition
RV - 0	Reverse battery signaling, one way operation, originate by customer
- T	Reverse battery signaling, one way operation, terminate function by customer or customer's end user
SF -	Single frequency signaling with VF band at either customer POT or customer's end user POT
TF -	Telephotograph ¹ interface
TT -	Telegraph ¹ /teletypewriter interface at either customer POT or customer's end user POT
- 2	20.0 milliamperes
TT - 3	3.0 milliamperes
- 6	62.5 milliamperes
	(DELETED)
	(DELETED)

E7.3.2 Impedance

The nominal reference impedance with which the channel will be terminated for the purpose of evaluating transmission performance:

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

E7.3.3 Digital Hierarchy Channel Interface Codes (4DS)

Customers selecting the channelized four-wire DS-1 or higher facility interface option at the customer designated premises will be requested to provide subsequent system and channel assignment data. The various digital bit rates in the digital hierarchy employ the channel interface code 4DS9, 4DS0 or 4DS6 plus the speed options indicated following:

Interface Code and Speed Option	Nominal Bit Rate (Mbps)	Digital Hierarchy Level ⁽²⁾
4DS9-15	1.544	DS1
4DS9-31	3.152	DS1C
4DS0-63	6.312	DS2
4DS6-44	44.736	DS3

(C)

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Note 2: See Section 2.1.4 for Service availability.

(N)

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

E7.4 Rate Regulations

This subsection contains the specific regulations governing the rates and charges that apply for Special Access (a.k.a. BellSouth SPA) service⁽⁴⁾.

(C)

E7.4.1 Types Of Rates And Charges

- A. There are two types of rates and charges. These are monthly rates and nonrecurring charges. The rates and charges are described as follows:

1. Monthly Rates

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

Digital Data Access³ (a.k.a. BellSouth SPA DS0 Digital Data) service and Derived Data Channel³ (a.k.a. BellSouth SPA Derived Data Channel) service are offered under two contract plans. Contract plan rates are available in payment periods from twenty-four to forty-two months and in payment periods from forty-three to sixty months^{1, 2} under conditions specified in the Channel Services Payment Plan in E2.4 of this Tariff. These payment periods are an exception to those listed in E2.4 of this Tariff. Termination Liability charges will not apply for customer requests for moves of service under CSPP subject to the provisions set forth in E2.4.9.A.11. preceding. However, a Termination Liability Charge is applicable at the date of termination if the customer terminates or disconnects the service prior to fulfilling the period of the contract plan except as specified in b. following. The Termination Liability Charge is the contracted monthly rate times the number of months in the contract plan, less the contracted monthly rate times the number of months the service has been installed, **multiplied by a factor. The factor is fifty percent (50%) for contracts that have been in effect twelve months or less, or 20 percent for contracts that have been in effect longer than twelve months.** An example is provided in a. following.

- a. A customer subscribes to Digital Data Access³ (a.k.a. BellSouth SPA DS0 Digital Data) service using the twenty-four to forty-two month^{1, 2} payment plan. The contract plan period is for thirty months. The subscriber terminates the service after twelve months. The total liability charge is thirty months times the monthly rate. The amount is then reduced to reflect the number of months the subscriber has had the service, which in this example is twelve months. Therefore, the Termination Liability Charge is **fifty percent (50%) of that amount** calculated as follows:

$$\text{Termination Liability Charge} = .50 \times [(30 \text{ months} \times \text{monthly rate}) - (12 \text{ months} \times \text{monthly rate})]$$

Note 1: Effective December 25, 2013, Customers may not establish new term plans greater than 36 months for Derived Data Channel service and term plans may not be renewed for a term greater than 36 months.
Effective December 25, 2013, Customers may not establish new term plans greater than 36 months for BellSouth SPA CNM - FlexServ Service and term plans may not be renewed for a term greater than 36 months.
Effective December 25, 2013, Customers may not establish new term plan greater than 36 months for High Capacity Service and term plans may not be renewed for a term greater than 36 months.
Effective December 25, 2013, Customers may not establish new term plan greater than 36 months for Digital Data service and term plans may not be renewed for a term greater than 36 months.

Note 2: Effective March 24, 2019, Customers may not establish, CSPPs for Derived Data Channel Service, BellSouth SPA CNM - FlexServ Service, and Digital Data Access Service, and CSPPs may not be converted or renewed for Derived Data Channel Service, BellSouth SPA CNM - FlexServ Service, Digital Data Access Service, and High Capacity Service.

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

Note 4: See Section 2.1.4 for Service availability.

(N)

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

E7.4 Rate Regulations (Cont'd)

E7.4.1 Types Of Rates And Charges (Cont'd)⁽⁴⁾

(C)

A. (Cont'd)

1. Monthly Rates (Cont'd)

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

Contract rates are available for 1.544 Mbps High Capacity (a.k.a. BellSouth SPA High Capacity) service under variable rate periods, with rates based on lengths of thirty-six months^{1, 2, 3}, sixty months^{2, 3}, or eighty-four months^{2, 3} under conditions specified in the Channel Service Payment Plan in E2.4 of this Tariff. A Termination Liability Charge is applicable at the date of termination. The applicable Termination Liability Charge is dependent on the contract period subscribed to, and will be equal to the number of months remaining in the contract period times the monthly rate provided under contract, multiplied by a factor. The factor is fifty percent (50%) for contracts that have been in effect twelve months or less, or 20 percent for contracts that have been in effect longer than twelve months. However, Termination Liability charges will not apply for IC or end user requests for moves of service under CSPP subject to the provisions set forth in E2.4.9.A.11. preceding.

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

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

Note 1: Effective March 24, 2019, Customers may not establish CSPPs for Derived Data Channel Service, BellSouth SPA CNM - FlexServ Service, and Digital Data Access Service, and CSPPs may not be converted or renewed for Derived Data Channel service, BellSouth SPA CNM - FlexServ Service, Digital Data Access Service, and High Capacity Service.

Note 2: Effective November 1, 2022, customers may not establish new term plans of greater than 24 months for High Capacity Service Channel Service Payment Plans.

Note 3: Effective March 17, 2024, customers may not establish new term plans of greater than month-to-month for High Capacity Service Channel Service Payment Plans.

Note 4: See Section 2.1.4 for Service availability.

(N)

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

E7.4 Rate Regulations (Cont'd)

E7.4.1 Types Of Rates And Charges (Cont'd)⁽⁵⁾

A. (Cont'd)

2. Nonrecurring Charges (Cont'd)

The following list identifies the individual Special Access (a.k.a. BellSouth SPA) services provided under Section E7, which are eligible for credit of nonrecurring charges under "Service Installation Guarantee" found in E2.4.10. 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 Grade² (a.k.a. BellSouth SPA DS0 VG).
- Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data) service^{1, 2},
- High Capacity (a.k.a. BellSouth SPA High Capacity) service
- SMARTRing⁴ service (a.k.a. BellSouth Dedicated Ring)

Provided, however, that the following services are not eligible for such credit.

- BellSouth SPA CNM - FlexServ service
- Derived Data Channel² (a.k.a. BellSouth SPA Derived Data Channel) service
- BellSouth Metro Ethernet³ service
- Service rearrangements

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.

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: 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 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 4: 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.

Note 5: See Section 2.1.4 for Service availability.

(C)

(N)

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

E7.4 Rate Regulations (Cont'd)

E7.4.2 Surcharge For Special Access (a.k.a. BellSouth SPA) Service (Cont'd)⁽²⁾

(C)

B. Special Access (a.k.a. BellSouth SPA) Surcharge Exemptions

The Special Access (a.k.a. BellSouth SPA) service will be exempted from the surcharge if the customer provides the Company written certification that the Special Access (a.k.a. BellSouth SPA) service termination is one of the following:

1. An open-end termination in a Company switch on an FX line, including CCSA and CCSA-equivalent ONALs; or
2. an analog Local Channel that is used for radio or television program transmission; or
3. a termination used for TELEX service; or
4. a termination that by the nature of its operating characteristics could not make use of Company common lines, or
5. a termination that interconnects either directly or indirectly to the local exchange network where the usage is subject to Carrier Common Line charges¹ such as, where the Special Access (a.k.a. BellSouth SPA) service accesses only FGA and no local exchange lines, or Special Access (a.k.a. BellSouth SPA) service between customer points of termination or Special Access (a.k.a. BellSouth SPA) service connecting CCSA or CCSA-type equipment (inter-machine trunks); or
6. a termination that the customer certifies to the Company is not connected to a PBX or other device capable of interconnecting the special access facility to a local exchange subscriber line.

C. Exemption Certification

1. Special Access (a.k.a. BellSouth SPA) services which are terminated as set forth in B. preceding will be exempted from the Special Access (a.k.a. BellSouth SPA) Surcharge if the customer provides the Company with a written notification certifying exemption. Such notification shall be provided by the customer (1) at the time the Special Access (a.k.a. BellSouth SPA) service is ordered or installed; (2) at such time as the Special Access (a.k.a. BellSouth SPA) service is reterminated to a device not capable of interconnecting to the local exchange network, or (3) at such time as the Special Access (a.k.a. BellSouth SPA) service becomes associated with a BellSouth SWA service that is subject to Carrier Common Line charges.
2. If written certification is not received at the time the Special Access (a.k.a. BellSouth SPA) service is obtained, the surcharge will be applied. Exempt status will become effective on the certification date indicated by the customer, subject to the regulations in D. following.
3. The exemption certification is to be provided by the customer ordering the service. The certification must be signed by the customer or authorized representative and include the category of exemption, as set forth in B. preceding, for each termination, and the date which the exemption is effective.
4. The customer shall also notify the Company when the exempted Special Access (a.k.a. BellSouth SPA) service is changed or reterminated such that the exemption is no longer applicable.

D. Crediting the Surcharge

The Company will cease billing the Special Access (a.k.a. BellSouth SPA) Surcharge when certification that the Special Access (a.k.a. BellSouth SPA) service has become exempt from the surcharge, as set forth in B. preceding is received. If the status of the Special Access (a.k.a. BellSouth SPA) service was changed prior to receipt for the exemption certification, the Company will credit the customer's account, not to exceed ninety (90) days, based on the effective date of the change specified by the customer in the letter of certification.

E. Application of Rates

1. The monthly Special Access (a.k.a. BellSouth SPA) Surcharge applies to Special Access (a.k.a. BellSouth SPA) services arranged, as set forth in A. preceding, on a per voice equivalent basis as shown in the following example.

Special Access Service (a.k.a. BellSouth SPA)	Voice Grade Equivalent		Surcharge	Monthly Charge
Voice Grade (a.k.a. BellSouth SPA DS0 VG)	1	X	\$ 25.00	\$ 25.00
DS1 (a.k.a. BellSouth SPA DS1)	24	X	25.00	600.00

2. In the case of multipoint Special Access (a.k.a. BellSouth SPA) service, one Special Access (a.k.a. BellSouth SPA) Surcharge will apply for each termination at a customer designated premises except that the surcharge applies at the customer designated premises at which the Access Service is connected to intrastate service.
3. The Company will bill the surcharge to the customer who orders the Special Access (a.k.a. BellSouth SPA) service unless the Service is exempt as set forth in B. preceding.
The rate for the Special Access (a.k.a. BellSouth SPA) Surcharge is set forth in E7.5.10. following.

Note 1: Available only for the transmission of audio tone protective relaying signals used in the protection of electric power systems during fault conditions.

Note 2: See Section 2.1.4 for Service availability.

(N)

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

E7.4 Rate Regulations (Cont'd)

E7.4.3 Reserved For Future Use

E7.4.4 Minimum Periods⁽³⁾

Except under conditions specified in E2.4.9 of this Tariff and following, the minimum service period for all services is one month.

The minimum service period for High Capacity (a.k.a. BellSouth SPA High Capacity) ICB services is specified in the Individual Case Basis Filing.

The minimum service period for SMARTRing² service (a.k.a. BellSouth Dedicated Ring) and BellSouth Metro Ethernet¹ service is four (4) months.

E7.4.5 Moves

- A. A move involves a change in the physical location of one of the following:
 1. The point of termination at the customer's premises
 2. The customer's premises
- B. The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.
 1. Moves Within the Same Building

When the move is to a new location within the same building the charge for the move will be an amount equal to one-half of the nonrecurring (i.e., installation) charge for the service termination affected. There will be no change in the minimum period requirement.
 2. Moves To a Different Building

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

Customer requests for moves of service under CSPP, other than inside moves, will be subject to the conditions stated in E2.4.9.A.8. of this Tariff.

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 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.

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

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

Note 3: See Section 2.1.4 for Service availability.

(C)

(N)

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

E7.4 Rate Regulations (Cont'd)

E7.4.7 Facility Hubs⁽³⁾

A customer has the option of ordering voice grade¹ (a.k.a. BellSouth SPA DS0 VG) 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., Voice¹ (a.k.a. BellSouth SPA DS0 VG), 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.

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 Grade¹ (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 Grade¹ (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 (a.k.a. BellSouth SPA DS1) and DS0¹ (a.k.a. BellSouth SPA DS0 Digital Data) Basic Channelization Systems require a Central Office Channel Interface for activation of each lesser capacity channel. DS3 (a.k.a. BellSouth SPA DS3) to DS1 (a.k.a. BellSouth SPA DS1) channelization arrangements, for transport of intrastate DS1 (a.k.a. BellSouth SPA DS1) service high capacity channels via LightGate® services (a.k.a. BellSouth SPA Point to Point Network) and SMARTRing^{®2} services (a.k.a. BellSouth SPA Dedicated Ring), require a DS1 channel interface for activation of each DS1 channel. Individual service rates (by service type) will apply for a Local Channel, additional Interoffice Channel and Central Office Channel Interface(s) (as required), if applicable, for each channelized service. These will be billed to the customer as each individual service is installed.

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

When cascading channelization is performed, whether in the same or a different Hub, a charge for the additional Basic Channelization System and Central Office Channel Interface(s) also applies. A DS1 Basic Channelization System and DDAS¹ (a.k.a. BellSouth SPA DS0 Digital Data) Central Office Channel Interface are required for high speed or low speed DDAS¹ (a.k.a. BellSouth SPA DS0 Digital Data) activations when channelized from a DS1 (1.544 Mbps) channel. A DS0 Basic Channelization System¹ and Subrate Central Office Channel Interface¹ are required for subrate activations of 2.4, 4.8 and 9.6 Kbps when channelized from a DS0¹ (64 Kbps) channel. When cascading channelization is performed at different Hubbing locations, Interoffice Channel charges also apply between the Hubs.

(C)

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

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

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

Note 3: See Section 2.1.4 for Service availability.

(N)

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

M2 Material previously appearing on this page now appears on page(s) 32.2 of this section.

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

E7.4 Rate Regulations (Cont'd)

E7.4.8 Shared Use Analog And Digital High Capacity (a.k.a. BellSouth SPA High Capacity) Services⁽⁴⁾

(C)

Shared use occurs when Special Access (a.k.a. BellSouth SPA) service and BellSouth SWA service are provided over the same High Capacity Special Access facility through a common interface. The Special Access monthly rate for the Local Channel, Interoffice Channel, if applicable Basic Channelization System and Central Office Channel Interface (s) will apply, regardless of whether any individual channels of the shared Special Access (BellSouth SPA) facility are used for Special Access (BellSouth SPA) service, BellSouth SWA service, or any other type of service. The practice known as "ratcheting" (to apply non-Special Access rates on a proportional basis) shall not apply in any circumstance.

Note 1: (DELETED)

Note 2: (DELETED)

Note 3: (DELETED)

Note 4: See Section 2.1.4 for Service availability.

(N)

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

E7.4 Rate Regulations (Cont'd)

E7.4.8 Shared Use Analog And Digital High Capacity (a.k.a. BellSouth SPA High Capacity) Services (Cont'd)⁽⁴⁾

(C)

Pending

E7.4.9 Reserved For Future Use

E7.4.10 Reserved For Future Use

E7.4.11 Reserved For Future Use

E7.4.12 BellSouth SPA CNM - FlexServ Service

A. General

BellSouth SPA CNM - FlexServ service is an optional feature that enables the customer to monitor and reconfigure his Voice Grade (a.k.a. BellSouth SPA DS0 VG), DDAS (a.k.a. BellSouth SPA DS0 Digital Data), and High Capacity (a.k.a. BellSouth SPA High Capacity) special access (a.k.a. BellSouth SPA) services without the direct intervention of Company personnel.

1. Basic BellSouth SPA CNM - FlexServ service

Basic BellSouth SPA CNM - FlexServ service includes monitoring and reconfiguration of the customer's private line services equipped with BellSouth SPA CNM - FlexServ service.

Monitoring consists of unsolicited signals of major and minor facility alarms. These alarms include carrier group alarms, out of service alarms, bit error rate, bipolar violations, slip errors, errored seconds, out-of-frame alarms and invalid connections. Invalid connections are connections between special access services with incompatible signals or between services without BellSouth SPA CNM - FlexServ service. Customer requests for such connections will be denied. The Company shall not be responsible for service interruptions, troubles, loss of customer data, or any other losses resulting from attempted invalid connections.

Reconfiguration provides the customer with the ability to direct the Company to connect or disconnect circuits equipped with BellSouth SPA CNM - FlexServ service options to or from each others of like kind at a central office or central offices where the customer has purchased BellSouth SPA CNM - FlexServ service. Such connections and disconnections may be performed immediately or at a future time prescribed by the customer and are performed without direct interaction by Company personnel.

Note 1: (DELETED)

Note 2: (DELETED)

Note 3: (DELETED)

Note 4: See Section 2.1.4 for Service availability.

(N)

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

E7.4 Rate Regulations (Cont'd)

E7.4.12 BellSouth SPA CNM - FlexServ Service (Cont'd)⁽¹⁾

(C)

A. General (Cont'd)

1. Basic **BellSouth SPA CNM - FlexServ Service** (Cont'd)

The customer is responsible for providing the terminal equipment required for access to **BellSouth SPA CNM - FlexServ** service.

The customer may transmit reconfiguration directions to or receive monitoring information from the Company over a switched service or a private line service. There are several types of access to the service listed in the General Subscriber Services Tariff from which the customer may choose. The type of access chosen will indicate the type of service the customer must provide to a Company location. Each **BellSouth SPA CNM - FlexServ** service customer must purchase at least one type of access.

Outside of the Company exchange or region, the customer must provide service from his terminal location to the designated Company location from which he may receive monitoring information or transmit reconfiguration directions.

With the customer's initial order for basic **BellSouth SPA CNM - FlexServ** service, the Company provides the capability for "User Access" for monitoring and reconfiguration signals. One customer identification code with password security is included with such access.

With the customer's initial order, the Company provides one customer training class for up to five (5) persons. The class length of this initial training is two consecutive eight hour days. These training classes are conducted at a designated Company location. Transportation, lodging and food for the attendees will be the responsibility of the customer. If the customer desires for the initial training to be conducted on his premises, then the customer is responsible for the transportation, lodging and food for the trainer. In addition, the customer is responsible for having the appropriate equipment on his premises.

Reconfiguration and monitoring are not available during the performance of routine maintenance of the Company's facilities and equipment used to provide **BellSouth SPA CNM - FlexServ** service.

The Local and Interoffice Channels which are terminated into **BellSouth SPA CNM - FlexServ** service are subject to all regulations and charges contained in their respective sections in addition to those contained herein.

Different switching options may be available in the same central office. If customers desire more than one switching option in the same central office and facilities are available, a channel connection is required for each FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) switching option connected.

BellSouth SPA CNM - FlexServ service is furnished only in serving wire centers where facilities are available.

2. Customer Circuits

There are three types of channel connections, which can be connected to **BellSouth SPA CNM - FlexServ** service - DS0 (single channel), DS1 (1.544 Mbps) and DS3 (44.736 Mbps) digital circuits..

DS0 Channel Connections - There are two types of DS0 channel connections - Voice Grade and Digital. Both types of DS0 connections will be switched at a DS0 level.

DS1 Channel Connections - There are two types of connections available for a customer desiring to terminate a DS1 circuit - DS0 switching and DS1 switching. For example, if a customer needs to be able to monitor or reconfigure the 24 DS0 circuits riding on the DS1 channel, then the customer would purchase a DS1 channel connection with DS0 switching. If the customer does not need access to the individual DS0 circuits, then the customer would purchase a DS1 channel connection with DS1 switching. A monitoring only option (i.e., surveillance) is also provided for DS1 channel connections. This option may also be used for terminating SWA DS1 channels.

DS3 Channel Connections (Monitoring Only) - There are two types of connections available for terminating a DS3 circuit - DS1 and DS3. This option provides for termination of SWA and SPA DS3 channels for monitoring purposes only (i.e., surveillance). If the customer needs monitoring for 28 DS1 circuits, then the customer would purchase a DS3 channel connection at DS1 level. The customer would purchase a DS3 channel connection at DS3 level if the customer wants to monitor the entire DS3 circuit.

Note 1: See Section 2.1.4 for Service availability.

(N)

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

E7.4 Rate Regulations (Cont'd)

E7.4.12 BellSouth SPA CNM - FlexServ Service (Cont'd)⁽²⁾

(C)

A. General (Cont'd)

3. BellSouth SPA CNM - FlexServ service Options

- Pending**
- a. **Additional Concurrent User Access:** This option provides the customer the ability to establish additional concurrent connections to the Company for the communication of monitoring and reconfiguration signals. One additional customer identification code is provided with each additional User Access. For each Additional Concurrent User Access ordered, the customer must also order an additional Management Terminal Interface from the General Subscriber Services Tariff.
 - b. **Additional User Identification Codes:** This option provides customer identification codes in addition to that provided with each User Access. If the customer has a Dial Access¹ to BellSouth SPA CNM - FlexServ service, then the customer must also order an additional Security Card¹ from the General Subscriber Services Tariff.
 - c. **Additional Customer Training:** This option provides one eight hour day of customer training in addition to that included with basic BellSouth SPA CNM - FlexServ service. These training classes are conducted at a designated Company location. All other terms that apply for the initial training apply for the subsequent training.
 - d. **Multipoint Bridging:** Multipoint Bridging is a capability which permits the cross connection of multiple channels equipped with BellSouth SPA CNM - FlexServ service.
 - (1) Multipoint Bridging, sometimes referred to as "DMB", is an option on voice grade (a.k.a. BellSouth SPA DS0 VG) service that allows the customer the capability to perform reconfigurations that cross-connect or bridge three or more channels in the BellSouth SPA CNM - FlexServ service arrangement into one conferencing arrangement.
 - (2) Multipoint Junction Unit option gives the customer the ability to bridge one master and four patron legs for use with Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data) service. If more than one MJU is required, one of the four patron legs must be used to connect to the master leg of another MJU. The customer is responsible for this connection. The MJU feature is only offered in a unit of five channel connections (one master and four legs).
 - e. **Subrate Reconfiguration Capability** is an option that provides the customer the ability to control all ports of a subrate multiplexer within a BellSouth SPA CNM - FlexServ service arrangement. This control includes both the DS0B channel and DS0A legs. The speeds for subrates are 2.4, 4.8, and 9.6 Kbps (does not include 19.2 Kbps). The customer has the responsibility to establish a subrate system using previously acquired DS0 ports.
 - f. **Reconfigurations by Company Personnel:** The customer may request that Company personnel intervene to perform reconfigurations that the customer could otherwise perform without the direct intervention of Company personnel.

Note 1: Effective November 1, 2008, the security card and dial access options are no longer available new customer subscriptions. Existing customers may continue using these options but new orders will not be accepted.

Note 2: See Section 2.1.4 for Service availability.

(N)

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

E7.4 Rate Regulations (Cont'd)

E7.4.12 BellSouth SPA CNM - FlexServ Service (Cont'd)⁽¹⁾

(C)

A. General (Cont'd)

4. Shared **BellSouth SPA CNM - FlexServ** service Arrangement

Multiple customers may include circuits with the **BellSouth SPA CNM - FlexServ** service option in the same **BellSouth SPA CNM - FlexServ** service arrangement, provided all customers designate in writing the same party to serve as their agent. A **BellSouth SPA CNM - FlexServ** service arrangement consists of all special access services with **BellSouth SPA CNM - FlexServ** service that can be monitored and reconfigured through the same User Access.

The agent will be authorized to represent each of those customers in all transactions and communications with the Company regarding the shared **BellSouth SPA CNM - FlexServ** service arrangement or circuits included in that arrangement including reconfigurations, monitoring, ordering of additional special access services and **BellSouth SPA CNM - FlexServ** service options in the arrangement, and removal of special access services from the arrangement. The Company will not process any customer orders or requests affecting that arrangement of circuits included in that arrangement except those submitted to the Company by the agent.

The Company will not be liable for any loss to any of the customers in a shared **BellSouth SPA CNM - FlexServ** service arrangement caused directly or indirectly by actions of the agent or another customer in the shared arrangement. Each customer in the shared arrangement and the agent indemnify the Company for the costs of any and all claims arising directly or indirectly out of the actions of agent or another customer in the shared arrangement, including, but not limited to, the cost of defending against such claims.

Any customer in a shared **BellSouth SPA CNM - FlexServ** service arrangement must give the Company 30 days prior written notice of his intent to revoke an agent's authority or to remove his special access services from a shared arrangement. Such notice shall not be effective unless it provides the Company with specific and sufficient directions regarding treatment of the customer's special access services upon revocation of the agent's authority or removal from the shared arrangement.

5. Access Collocation Cross-Connects

Access Collocation Cross-Connects provide a means for customers to interconnect their **BellSouth SPA CNM - FlexServ** service 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. .

B. Application of Rates

1. Basic **BellSouth SPA CNM - FlexServ** service

a. Connection of Special Access (a.k.a. BellSouth SPA) service to Reconfiguration and Alarm Monitoring Capability.

A DS0/DS1/DS3 nonrecurring Connection Charge and a recurring monthly rate is required for each entrance and exit of a special access channel to reconfiguration and monitoring capability.

Charges for Access to **BellSouth SPA CNM - FlexServ** service are contained in E7.5.16.

2. **BellSouth SPA CNM - FlexServ** service Options

a. Additional Concurrent User Access

For each Additional Concurrent User Access a nonrecurring charge and a recurring monthly rate applies.

b. Additional User Identification Codes

A nonrecurring charge applies for each additional ID requested.

c. Additional Customer Training

Any additional training will incur a nonrecurring charge for each eight (8) hour day of training.

Note 1: See Section 2.1.4 for Service availability.

(N)

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

E7.4 Rate Regulations (Cont'd)

E7.4.12 BellSouth SPA CNM - FlexServ Service (Cont'd)⁽²⁾

(C)

B. Application of Rates (Cont'd)

2. **BellSouth SPA CNM - FlexServ** service Options (Cont'd)

d. Multipoint Bridging

Multipoint Bridging (DMB)

There will be a nonrecurring charge and a monthly recurring rate for each DS0 bridging leg that is equipped with this capability.

Multipoint Junction Unit

A nonrecurring charge and a monthly rate apply for each DS0 or equivalent that is equipped with this capability. This option must be purchased in groups of five because a unit has the capacity of five DS0 or equivalent channel connections.

e. Subrate Reconfiguration

There will be a nonrecurring charge for each DS0 equipped DS0B and a nonrecurring charge and a monthly rate will apply for each set of DS0As. The DS0A rates apply in sets of five for 9.6 Kbps, in sets of ten for 4.8 Kbps, and in sets of twenty for 2.4 Kbps.

f. Reconfigurations by the Company Personnel

A nonrecurring charge is applicable on each occasion, when the customer requests Company personnel to perform a reconfiguration or a series of reconfigurations in order to set up point-to-point or multipoint connections, to provide a status report or to establish a conference.

3. Contract Plans

Contract rates for **BellSouth SPA CNM - FlexServ** service are available in E7.5.16 under conditions specified in the Channel Services Payment Plan in E2.4 of this Tariff.

Termination Liability is applicable at the date of termination. The applicable charge will be the remaining amount due, multiplied by a factor. The factor is fifty percent (50%) for contracts that have been in effect twelve months or less, or 20 percent for contracts that have been in effect longer than twelve months. Termination Liability will not apply for customer requests for moves of service under CSPP subject to the provisions set forth in E2.4.9.A.11 preceding.

E7.4.13 Derived Data Channel¹ (a.k.a. BellSouth SPA Derived Data Channel) Service (DDCS)

A. Application of Rates

The derived data channel (a.k.a. BellSouth SPA Derived Data Channel) charges provide the central office data/voice multiplexing capability. The customer must also subscribe to a compatible two-wire local exchange line (e.g., business exchange line, ESSX service main station line). This two-wire exchange line and its associated rates and charges are in addition to the derived data channel rates and charges.

The DS0-B interface charge is applicable for each group of a maximum of twenty multiplexed derived data channels. Each of the twenty channels in a DS0-B interface channel group operates at a bit rate of 2.4 Kbps. The interoffice channel is required when the customer's serving wire center and the serving wire center of the customer's terminating premises are not the same.

Note 1: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Note 2: See Section 2.1.4 for Service availability.

(N)

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

E7.4 Rate Regulations (Cont'd)

E7.4.15 Reserved For Future Use

E7.4.16 Reserved For Future Use

E7.4.16 Reserved For Future Use

E7.4.17 Reserved For Future Use

E7.4.18 Zone Pricing⁽¹⁾

High Capacity (a.k.a. BellSouth SPA DS1) service (1.544 Mbps) is organized into three pricing zones. Rate levels for the Local Channel, Interoffice Channel, and DS1 Basic Channelization will be billed in accordance with the pricing zone assignment of the serving wire center. The pricing zone assignment for each Company serving wire center is specified in the National Exchange Carrier Association (NECA) Tariff F.C.C. No. 4.

Interoffice channel mileage that is divided between two serving wire centers in differently priced zones will be billed at the higher priced zone rate. Channelization rates will be determined by the location of the channelization arrangement.

E7.4.19 Reserved For Future Use

E7.4.20 Reserved For Future Use

E7.4.21 Reserved For Future Use

E7.4.22 Reserved For Future Use

E7.4.23 Reserved For Future Use

E7.4.24 Reserved For Future Use

E7.4.25 Reserved For Future Use

E7.4.26 Reserved For Future Use

E7.4.27 Reserved For Future Use

E7.4.28 Reserved For Future Use

E7.4.29 Reserved For Future Use

E7.4.30 Reserved For Future Use

E7.4.31 Reserved For Future Use

Note 1: See Section 2.1.4 for Service availability.

(C)

Material previously appearing on this page now appears on page(s) 33.11 of this section.

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

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⁽⁸⁾

(C)

A. Local Channel

1. Monthly Rates Per Point of Termination

	Monthly Rate			Nonrecurring Charge		USOC
	Rate Zone 1	Rate Zone 2	Rate Zone 3	First	Additional	
(a) 1.544 Mbps ¹	\$127.00	\$127.00	\$127.00	\$705.00	\$315.00	TMECS
(b) 3.152 Mbps ²	-	-	-	-	-	TWT++
(c) 6.312 Mbps ²	-	-	-	-	-	TWT++
(d) 44.736 Mbps ²	-	-	-	-	-	TWT++

2. Contract Rates Per Point Of Termination^{1,3}

	Monthly Rate			Nonrecurring Charge		USOC
	24-48 Months ^{4, 6, 7}	49-72 Months ^{4, 5, 6}	73-96 Months ^{4, 5, 6}	First	Additional	
(a) (Obsoleted, See Section 107)						
(b) 1.544 Mbps – Zone 1	\$120.00	\$118.00	\$116.00	\$705.00	\$315.00	TMECS
(c) (Obsoleted, See Section E107)						
(d) 1.544 Mbps – Zone 2	120.00	118.00	116.00	705.00	315.00	TMECS
(e) (Obsoleted, See Section E107)						
(f) 1.544 Mbps – Zone 3	120.00	118.00	116.00	705.00	315.00	TMECS

Note 1: New rates become effective with billing cycles beginning on or after December 14, 2001.

Note 2: ICB rates and charges apply.

Note 3: Contract lengths are flexible to allow customer choice of payment period per E2.4.9.

Note 4: Effective December 25, 2013, Customers may not establish new term plan greater than 36 months for High Capacity Service and term plans may not be renewed for a term greater than 36 months.

Note 5: Effective March 24, 2019, Customers may not convert or renew CSPPs for High Capacity Service.

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.

Note 7: Effective March 17, 2024, customers may not establish new term plans of greater than month-to-month for High Capacity Service Channel Service Payment Plans.

Note 8: See Section 2.1.4 for Service availability.

(N)

E7. SPECIAL ACCESS (A.K.A. BELL SOUTH SPA) SERVICE**E7.5 Rates And Charges (Cont'd)****E7.5.6 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd)⁽⁷⁾**

(C)

B. Interoffice Channel**1. 1.544 Mbps (Monthly Rates)¹****Mileage Bands**

	Fixed Monthly Rate			Monthly Rate Per Mile			Nonrecurring Charge	USOC
	Rate Zone 1	Rate Zone 2	Rate Zone 3	Rate Zone 1	Rate Zone 2	Rate Zone 3	Per Channel	
(a) 0 mile	\$-	\$-	\$-	\$-	\$-	\$-	\$-	1L5XX
(b) 1 thru 8 miles	80.00	80.00	80.00	23.00	23.00	23.00	210.00	1L5XX
(c) 9 thru 25 miles	90.00	90.00	90.00	23.00	23.00	23.00	210.00	1L5XX
(d) Over 25 miles	90.00	90.00	90.00	23.00	23.00	23.00	210.00	1L5XX

2. 1.544 Mbps^{1, 2}**a. Contract Rates****Mileage Bands****(1) Nonrecurring Charge (Per Channel)**

	Nonrecurring Charge	USOC
(a) 0 mile	\$-	NA
(b) 1 mile and over	210.00	1L5XX

Mileage Bands**(2) Recurring Rate - 0 mile**

	Nonrecurring Charge	Fixed Monthly Charge	24 to 48 Months ^{3, 4, 5, 6}	49 to 72 Months ^{3, 4, 5}	73 to 96 Months ^{3, 4, 5}	USOC
(a) Rate Zone 1, Per Mile	\$-	\$-	\$-	\$-	\$-	1L5XX
(b) Rate Zone 2, Per Mile	-	-	-	-	-	1L5XX
(c) Rate Zone 3, Per Mile	-	-	-	-	-	1L5XX
(3) Recurring Rate - 1 thru 8 miles						
(a) Rate Zone 1, Per Mile	-	80.00	20.00	18.00	15.00	1L5XX
(b) Rate Zone 2, Per Mile	-	80.00	20.00	18.00	15.00	1L5XX
(c) Rate Zone 3, Per Mile	-	80.00	20.00	18.00	15.00	1L5XX
(4) Recurring Rate - 9 thru 25 miles						
(a) Rate Zone 1, Per Mile	-	90.00	20.00	18.00	15.00	1L5XX
(b) Rate Zone 2, Per Mile	-	90.00	20.00	18.00	15.00	1L5XX
(c) Rate Zone 3, Per Mile	-	90.00	20.00	18.00	15.00	1L5XX
(5) Recurring Rate - over 25 miles						
(a) Rate Zone 1, Per Mile	-	90.00	20.00	18.00	15.00	1L5XX
(b) Rate Zone 2, Per Mile	-	90.00	20.00	18.00	15.00	1L5XX
(c) Rate Zone 3, Per Mile	-	90.00	20.00	18.00	15.00	1L5XX

Note 1: New rates become effective with billing cycles beginning on or after December 14, 2001.**Note 2:** Contract lengths are flexible to allow customer choice of payment period per E2.4.9.**Note 3:** Effective December 25, 2013, Customers may not establish new term plan greater than 36 months for High Capacity Service and term plans may not be renewed for a term greater than 36 months.**Note 4:** Effective March 24, 2019, Customers may not convert or renew CSPPs for High Capacity Service.**Note 5:** Effective November 1, 2022, customers may not establish new term plans of greater than 24 months for High Capacity Service Channel Service Payment Plans.**Note 6:** Effective March 17, 2024, customers may not establish new term plans of greater than month-to-month for High Capacity Service Channel Service Payment Plans.**Note 7:** See Section 2.1.4 for Service availability.

(N)

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)⁽²⁾

(C)

B. Interoffice Channel (Cont'd)

3. 3.152 Mbps

Mileage Bands

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

Note 1: ICB rates and charges apply.

Note 2: See Section 2.1.4 for Service availability.

(N)

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

E7.5 Rates And Charges (Cont'd)

E7.5.6 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd)⁽²⁾

(C)

B. Interoffice Channel (Cont'd)

4. 6.312 Mbps

Mileage Bands

- (a) 0 mile
- (b) 1 thru 8 miles¹
- (c) 9 thru 25 miles¹
- (d) Over 25 miles¹

Fixed
Monthly
Charge

Monthly
Charge
Per Mile

Nonrecurring
Charge

USOC
1LOXX
1LOXX
1LOXX
1LOXX

5. 44.736 Mbps

Mileage Bands

- (a) 0 mile
- (b) 1 thru 8 miles¹
- (c) 9 thru 25 miles¹
- (d) Over 25 miles¹

Note 1: ICB rates and charges apply.

Note 2: See Section 2.1.4 for Service availability.

(N)

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

E7.5 Rates And Charges (Cont'd)

E7.5.6 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd)⁽³⁾

(C)

C. Optional Features and Functions

1. Channelization

a. DS3 Channelization

(1) DS3 to DS1

(a) Per arrangement¹

b. DS2 Channelization

(1) DS2 to DS1

(a) Per arrangement¹

c. DS1C Channelization

(1) DS1C to DS1

(a) Per arrangement¹

d. DS1 Channelization

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

(a) Per system

e. DS0 Channelization (DS0 to Subrate)²

(1) DS0 Basic Channelization System (Per System)

(a) Maximum of 20 2.4 kbps services

(b) Maximum of 10 4.8 kbps services

(c) Maximum of 5 9.6 kbps services

Pending

Monthly
Rate
\$-

Nonrecurring
Charge
\$-

USOC
MXB++

-

-

MXD++

-

-

MXH++

Monthly Rate

Rate Zone 1	Rate Zone 2	Rate Zone 3	Nonrecurring Charge	USOC
\$210.00	\$210.00	\$210.00	\$145.00	MQ1

Monthly
Rate

Nonrecurring
Charge

USOC

\$120.00

\$145.00

QSU24

120.00

145.00

QSU48

120.00

145.00

QSU96

Note 1: ICB rates and charges apply.

Note 2: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Note 3: See Section 2.1.4 for Service availability.

(N)

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

E7.5 Rates And Charges (Cont'd)

E7.5.6 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd)⁽⁶⁾

(C)

C. Optional Features and Functions (Cont'd)

2. Channel Interfaces (Per Interface)

a. Sub-DS3 Interfaces

(1) DS1 Level Central Office Channel Interface¹

	Month to Month	24 to 48 Months ^{2, 4, 5}	49 to 72 Months ^{2, 4}	73 to 96 Months ^{2, 4}	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	135.00	1D3CS

(2) DS1 Level Customer Channel Interface¹

(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

(1) VG/DS0 Level Central Office Channel Interface

	Monthly Rate	Nonrecurring Charge		USOC
		First	Additional	
(a) BellSouth SWA	\$0.00	\$0.00	\$0.00	1D1SW
(b) Reserved for Future Use				
(c) Reserved for Future Use				
(d) Voice Grade ³ (a.k.a. BellSouth SPA DSO VG) ¹	7.75	7.00	6.00	1D1VG
(e) WATS Access Line ³ (a.k.a. BellSouth SPA WATS Line) ¹	7.75	7.00	6.00	1D1WT
(f) Reserved for Future Use				
(g) Reserved for Future Use				
(h) DDAS ³ (a.k.a. BellSouth SPA DSO Digital Data)	13.00	7.00	6.00	1D1DD

c. Sub-DS0 Interface³

(1) Subrate Central Office Channel Interface

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

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

Note 2: Effective March 24, 2019 Customers may not convert or renew CSPPs for High Capacity Service.

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

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.

Note 5: Effective March 17, 2024, customers may not establish new term plans of greater than month-to-month for High Capacity Service Channel Service Payment Plans.

Note 6: See Section 2.1.4 for Service availability.

(N)

MS-25-0024

EFFECTIVE: November 1, 2025

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)⁽¹⁾

(C)

- C. Optional Features and Functions (Cont'd)
3.
4. Clear Channel Capability is furnished on a per DS1 service channel basis.
Per DS1/1.544 Mbps High Capacity Channel optioned as:

(a)	Superframe Format (SF)	-	-	600.00	CCOSF
(b)	Extended Superframe Format (ESF)	-	-	600.00	CCOEF
5. (DELETED)

E7.5.7 Reserved For Future Use

E7.5.8 Special Access (a.k.a. BellSouth SPA) Surcharge

- A. Rates
1. Per Voice Grade Equivalent

(a)	Each	Monthly Rate \$25.00	USOC S25
-----	------	----------------------------	-------------

Note 1: See Section 2.1.4 for Service availability.

(N)

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

E7.5 Rates and Charges (Cont'd)

E7.5.14 (DELETED) (Cont'd)

E7.5.15 Derived Data Channel³ (a.k.a. BellSouth SPA Derived Data Channel) Service⁽⁴⁾

(C)

A. Local Channel

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

(a) Per channel at 2.4 Kbps

Nonrecurring Charge	Month to Month	24 to 42 Months ^{1,2}	43 to 60 Months ^{1,2}	USOC DAXPC
\$460.00	\$17.00	\$13.50	\$11.00	

Note 1: Effective December 25, 2013, Customers may not establish new term plan greater than 36 months for Derived Data Channel service and term plans may not be renewed for a term greater than 36 months.

Note 2: Effective March 24, 2019, Customers may not establish CSPPs for Derived Data Channel Service, and CSPPs may not be converted or renewed for Derived Data Channel Service.

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

Note 4: See Section 2.1.4 for Service availability.

(N)

E7. SPECIAL ACCESS (A.K.A. BELL SOUTH SPA) SERVICE**E7.5 Rates and Charges (Cont'd)⁽⁴⁾**

(C)

E7.5.15 Derived Data Channel³ (a.k.a. BellSouth SPA Derived Data Channel) Service (Cont'd)

- A. Local Channel (Cont'd)
 2. DS0-B Interface

- (a) Per group of twenty channels at 2.4 Kbps each

Nonrecurring Charge	Month to Month	24 to 42 Months	43 to 60 Months ¹	USOC
\$335.00	\$80.00	\$75.00	\$72.00	DAXP1

- B. Interoffice Channel

1. Per group of twenty channels at 2.4 Kbps each

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

E7.5.16 BellSouth SPA CNM - FlexServ Service

- A. Basic *BellSouth SPA CNM* - FlexServ service

1. DS0 Channel Connections

	Nonrecurring Charge	Month To Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
(a) Voice Grade Type, per DS0 channel	\$35.00	\$14.90	\$13.70	\$12.70	\$11.90	DSLVA
(b) Digital Type, per DS0 channel	35.00	7.60	7.00	6.45	6.00	DSLDA
2. DS1 Channel Connections						
(a) DS0 Switching, per DS1 channel	125.00	110.00	100.00	92.00	85.00	DSL1A
(b) DS1 Switching, per DS1 channel	125.00	64.00	60.00	55.00	51.00	DSL1B
(c) Surveillance - DS1 Level per DS1 channel	125.00	64.00	60.00	55.00	51.00	DSL1S
3. DS3 Channel Connections						
(a) Surveillance - DS1 Level, per DS3 channel	125.00	375.00	345.00	320.00	300.00	DSL3S
(b) Surveillance - DS3 Level, per DS3 channel	125.00	150.00	138.00	128.00	120.00	DSL3T

- B. *BellSouth SPA CNM* - FlexServ service Options

1. Multipoint Bridging

(a) Voice Grade Connections, per bridging leg	20.00	5.00	4.50	4.35	4.10	FSSF9
(b) Multipoint Junction Unit, per 2.4, 4.8, 9.6 or 56 Kbps channel (must purchase in units of 5)	15.00	6.00	5.25	5.00	4.75	FSSFJ
(c) Multipoint Junction Unit, per 19.2 Kbps channel (must purchase in units of 5)	15.00	11.75	11.10	10.50	9.95	FSSF9

Note 1: Effective December 25, 2013, Customers may not establish new term plans greater than 36 months for Derived Data Channel service and term plans may not be renewed for a term greater than 36 months.

Note 2: Effective December 25, 2013, Customers may not establish new term plans greater than 36 months for BellSouth SPA CNM - FlexServ Service and term plans may not be renewed for a term greater than 36 months.

Note 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: See Section 2.1.4 for Service availability.

(N)