

TARIFF DISTRIBUTION

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PURPOSE: Tennessee - National grandfathering for DS1/DS3 services

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Nashville, Tennessee

ACCESS SERVICES TARIFF

Seventh Revised Page 3
Cancels Sixth Revised Page 3

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E2. GENERAL REGULATIONS

E2.1 Undertaking of the Company (Cont'd)

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 services in certain geographic areas, subject to any applicable regulatory approvals. Upon grandfathering, the services in this Tariff will no longer be available for purchase by new or existing customers. In addition, requests to move, add or change existing service will not be accepted. For service availability by Wire Center: https://cpr.web.att.com/pdf/dsa/zero_demand_tracker.pdf

Effective November 3, 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 selective router terminations. 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, (b) and 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 6.7.7 and Section E7.4.5 of this intrastate Tariff 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.

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Seventh Revised Page 7.1
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E2. GENERAL REGULATIONS**E2.3 OBLIGATIONS of the Customer (Cont'd)****E2.3.14 Jurisdictional Report Requirements¹ (Cont'd)****A. Jurisdictional Reports (Cont'd)****1. Percent Interstate Usage (PIU) (Cont'd)****b. (Cont'd)**

The Percent Interstate Usage (PIU) factors associated with BellSouth SWA FGA, BellSouth SWA FGB, BellSouth SWA FGD, BellSouth SWA 500, 700, 900 and BellSouth SWA 8XX Toll Free Dialing Ten Digit Screening, this PIU will also apply to all associated elements and services, e.g., Carrier Common Line, Local Switching, BellSouth SWA Common Interoffice Channel, Interconnection and Access Tandem, Common Trunk Port Service and minute of use based multiplexer rate elements, where applicable.

The PIU category, BellSouth SWA Local Channel, includes Dedicated End Office Trunk Port Service and Dedicated Tandem Trunk Port Service charges and other flat rated charges not specifically covered by other PIU categories.

The customer will provide a single factor as the projected Percent Interstate Usage (PIU) to apportion the usage between interstate and intrastate. This factor will be applied to the following categories:

- BellSouth SWA Local Channel
- BellSouth SWA Dedicated Interoffice Channel
- Channelization Equipment

The PIU factor provided for each of the foregoing facilities categories (Switched Local Channel, BellSouth SWA Dedicated Interoffice Channel and Channelization Equipment) will reflect the combination of all traffic types which traverse such facility category.

When Special Access (a.k.a. BellSouth SPA)⁽¹⁾ 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. (C)

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

Total Interstate Originating Minutes	+	Total Interstate Terminating Minutes
<hr/>		
Total Originating Minutes	+	Total Terminating Minutes

Note 1: See Section 2.1.4 for Service availability.

(N)

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ACCESS SERVICES TARIFF

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E2. GENERAL REGULATIONS**E2.4 Payment Arrangements and Credit Allowances (Cont'd)****E2.4.2 Minimum Periods (Cont'd)⁽¹⁾**

(C)

- 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. following, 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 Individual Case Basis (ICB) (*a.k.a. BellSouth SPA High Capacity*) services and associated channelization listed in Sections E7. and E12., 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 ICB (*a.k.a. BellSouth SPA High Capacity*) Service(s) and associated channelization listed in Sections E7. and E12. is disconnected prior to the expiration of the minimum period, the termination charge as specified in the High Capacity ICB (*a.k.a. BellSouth SPA High Capacity*) 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 will apply.
- D. The minimum service periods for **BellSouth** Custom Network Service and applicable rates and charges are provided in E7.7 for each arrangement. Regulations and applicable charges for disconnects and moves of service prior to the expiration of the minimum period are also specified in E7.7.

E2.4.3 Cancellation of an Order for Service

Provisions for the cancellation of an Access order for **BellSouth SWA** or Special Access (*a.k.a. BellSouth SPA*) service are set forth in E5.2.4 following.

Note 1: See Section 2.1.4 for Service availability.

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E2. GENERAL REGULATIONS**E2.4 Payment Arrangements and Credit Allowances (Cont'd)****E2.4.4 Credit Allowance for Service Interruptions⁽¹⁾**

(C)

A. General

A service is considered interrupted when it becomes unusable to the customer because of a failure of a facility component used to furnish service under this Tariff, or in the event that the protective controls applied by the Company result in the complete loss of use of the service by the customer as set forth in Section 6.5.1 of Tariff FCC No. 1. An interruption period starts when the customer reports the interruption to the Company and ends when the service is operative.

B. When A Credit Allowance Applies

In case of an interruption to any service, allowance for the period of interruption, if not due to the negligence of the customer, shall be as follows:

1. For BellSouth SWA Dedicated Interoffice Channels, Channelization Equipment and Switched Local Channel, Dedicated End Office Trunk Port Service, Dedicated Tandem Trunk Port Service, and Special Access (a.k.a. BellSouth SPA) services, no credit shall be allowed for an interruption of less than thirty minutes. The customer shall be credited for an interruption of thirty minutes or more at the rate of 1/1440 of the monthly charges for the facility or service for each period of thirty minutes or major fraction thereof that the interruption continues.

The monthly charges used to determine the credit shall be as follows:

- a. The monthly charge shall be the total of all the monthly rate element charges associated with the service: (1) for BellSouth SWA Transport: Switched Local Channel, Dedicated End Office Trunk Port Service, Dedicated Tandem Trunk Port Service, BellSouth SWA Dedicated Interoffice Channel, Channelization Equipment (if applicable) and any Optional Features and Functions. (2) For Special Access (a.k.a. BellSouth SPA) two-point services: two Local Channels, Interoffice Channel mileage and optional features and functions).
- b. For multipoint services, the monthly charge shall be only the total of all the monthly rate element charges associated with that portion of the service that is inoperative (i.e., a connecting channel between the Hub and customer premises and associated channel interface, channel interoffice channel mileage and optional features and functions.)
- c. For Special Access (a.k.a. BellSouth SPA) channelized services, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service that is inoperative. When the facility which is channelized or the Basic Channelization System itself is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., the local channel to the Hub and its associated channel interface, interoffice channel mileage and any optional features and functions, including the Basic Channelization System, and the local channels from the Hub and their associated channel interfaces, interoffice channel mileage and their associated Central Office Channel Interface(s) and optional features and functions). When the service which rides a channel of the channelized facility is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service from the Hub to a customer premises (i.e., local channel, channel interface, interoffice channel mileage, Central Office Channel Interface and optional features and functions).
- d. For BellSouth SWA channelized services, the monthly charge shall be the total of all monthly rate element charges associated with that portion of the service that is inoperative. When the facility which is channelized or the Basic Channelization System itself is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with the service (e.g., the Switched Local Channel, Switched Interoffice Channels, Channelization Equipment, including the Basic Channelization System on the facility to the Hub, if applicable).
- e. For SMARTPath[®] service (a.k.a. BellSouth SPA Shared Ring), the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., SMARTPath[®] (a.k.a. BellSouth SPA Shared Ring) Area Connection and SMARTPath[®] (a.k.a. BellSouth SPA Shared Ring) Area Junction).
- f. For BellSouth Managed Shared Ring service, the monthly charge shall be the monthly charges associated with the service (e.g., Off-Net)

Note 1: See Section 2.1.4 for Service availability.

(N)

* Service Mark of BellSouth Corporation

[®] Registered Service Mark of BellSouth Corporation

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E2. GENERAL REGULATIONS**E2.4 Payment Arrangements and Credit Allowances (Cont'd)****E2.4.4 Credit Allowance for Service Interruptions (Cont'd)⁽¹⁾**

(C)

B. When A Credit Allowance Applies (Cont'd)**2. (Cont'd)**

- d. For multipoint services, when daily rates are applicable, the credit shall be at the daily rate of 1/288 of the daily charges for each connecting channel and associated channel interface, channel mileage and optional features and functions that is inoperative for each period of five minutes or major fraction thereof that the interruption continues.
- e. For multipoint services, the credit for the monthly or daily charges includes the charges for the distribution amplifier only when the distribution amplifier is inoperative.
- f. When two or more interruptions occur during a period of five consecutive minutes, such multiple interruptions shall be considered as one interruption.
3. For BellSouth SWA service and BellSouth Directory Assistance Access service, 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 (a) the sum of the monthly rates, or (b) the assumed minutes of use charge for the service interrupted in any one monthly billing period.
5. For certain Special Access (a.k.a. BellSouth SPA) services (Wideband Digital, WD1-3; Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data), DA1-4; and High Capacity (a.k.a. BellSouth SPA High Capacity), HC1), any period during which the error performance is below that specified for the service will be considered as an interruption.
6. Service interruptions for Specialized Service or Arrangements provided under the provisions of Section E12. of this Tariff shall be administered in the same manner as those set forth in E2.4.4 unless other regulations are specified with the individual case filing.
7. For SMARTPath service (a.k.a. BellSouth SPA Shared Ring), failure by the Company to meet the performance guarantee described in E7.2.12.C.1. of this Tariff, will prompt a credit equal to 100 percent for affected SMARTPath service (a.k.a. BellSouth SPA Shared Ring) rate elements. The monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., SMARTPath service (a.k.a. BellSouth SPA Shared Ring) Area Connection and SMARTPath service (a.k.a. BellSouth SPA Shared Ring) Area Junction). A customer request for credit will not be required. The credit will be applied through normal administrative processes and the dollar amount will be reflected on the customer's bill. The credit will apply no more than once per calendar month and shall not exceed the monthly rate for the service.
8. For the channels used with BellSouth Managed Shared Ring service, failure by the Company to meet the performance guarantee described in E7.5.1 of this Tariff will prompt the credit described in that section. The combined total of the credit allowance during a month for failure to meet the performance guarantee for BellSouth Managed Shared Ring service in Section 6.7.21 of Tariff FCC No. 1, as applicable, and the credit for service interruption contained in this section shall not exceed the monthly rate for the portion of the service affected.
9. For BellSouth Wavelength service, a credit for a service interruption of thirty minutes or more per occasion shall be 100 percent of the monthly charges for the BellSouth Wavelength service. A customer must report the outage in order to receive service outage credit. The total credit received in any month shall not exceed the monthly rate for the service.

C. When 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.

Note 1: See Section 2.1.4 for Service availability.

(N)

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

(C)

A. Channel Services Payment Plan (Cont'd)**4. Disconnects**

- a. When a service or rate element, included under a CSPP arrangement, *is terminated without cause* prior to expiration of the *tariff term plan*, a termination liability charge will apply. *Unless the tariff provisions governing a particular service provide otherwise, for tariff term plans entered into after April 3, 2001, this termination liability charge will not exceed the lesser of:*
 1. The sum of repayments of discounts received during the previous twelve (12) months of service, the repayment of the prorated amount of any discounted or waived non-recurring charges, and the prorated amount of any documented contract preparation, implementation or tracking charges; or
 2. Six (6%) percent of the total tariff term plan amount if the tariff term plan is four (4) years or less; or twenty-four (24%) percent of the average annual revenues of the tariff term plan if the tariff term plan is longer than four (4) years. Term plan revenue is the total revenue billable under the term plan entered into by the customer. Average annual revenue is the aggregate revenue billable under the term plan divided by the number of years in the term plan.
- b. Termination liability charges for an individual service may exceed the levels specified in this Tariff only upon demonstration to the Tennessee Regulatory Authority that the unrecovered portion, if any, of the customer specific costs incurred to provide such service exceeds the levels specified in this Tariff.
- c. 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 12 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 24 month service period or equals/exceeds the remaining service period of the disconnected arrangement, whichever is greater, and
 - the service orders to install the new 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, Channels for use with BellSouth Managed Shared ring service = Highest):

Analog Voice Grade (a.k.a. BellSouth SPA DS0 VG) Services
DS0 Services (a.k.a. BellSouth SPA DS0 Digital Data)
DS1 High Capacity (a.k.a. BellSouth SPA DS1) Service
SMARTPath® service (a.k.a. BellSouth SPA Shared Ring)
Channels for use with BellSouth Managed Shared Ring

Note 1: See Section 2.1.4 for Service availability.

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E2. GENERAL REGULATIONS**E2.4 Payment Arrangements and Credit Allowances (Cont'd)****E2.4.9 Optional Payment Plan (Cont'd)****A. Channel Services Payment Plan (Cont'd)****7. Renewal Options (Cont'd)**

- b. Nonrecurring charges are not applicable for services renewed under the CSPP. Any new services added at the time of renewal will be subject to all appropriate nonrecurring charges.
- c. The Company may discontinue or change any or all renewal options with approval of the appropriate regulatory authority.
- d. When a customer renews a CSPP arrangement, the rates and charges in effect on the first day of service of the renewal will apply.
- e. Recognition of previous service will be given to customers who renew an existing CSPP arrangement, for the same or larger system(s) and all associated rate elements at the same location(s), provided that the length of the new CSPP arrangement is a minimum 24 month service period or equals/exceeds the remaining service period of the original CSPP arrangement, whichever is greater. An example of a larger system is the renewal of an Analog Voice Grade (a.k.a. BellSouth SPA DS0 VG) service with a DS1 High Capacity (a.k.a. BellSouth SPA DS1)⁽⁵⁾ service.
- f. Recognition of previous service will be given to month-to-month customers with a service date of January 1, 1994 or later who convert to a CSPP arrangement, provided the minimum service period has been met. For customers whose service date is January 1, 1994 or earlier, recognition will be given for the previous service back to January 1, 1994. For customers whose service date is later than January 1, 1994, recognition for the previous service will be given back to the actual service date.
- g. To determine the appropriate CSPP Payment Plan for the renewed arrangement, recognition of service will consist of the sum of months in service of the completed service arrangement and the sum of the months of the proposed service period of the CSPP arrangement. For example, a CSPP arrangement for a 36-month^{3, 4} service period under the 36 month^{3, 4} Term Payment Plan is renewed for 24 months^{3, 4} with no changes at the end of the 36 month^{3, 4} period. The sum of months for the completed and proposed service periods would equal 60 months^{1, 2, 3, 4} and would be billed under the 60 month^{3, 4} Term Payment Plan. Another example is a Month-to-Month customer, in service for 15 months, who wishes to convert to a 60-month^{1, 2, 3, 4} CSPP arrangement with no changes. The combined service period of the Month-to-Month arrangement and the CSPP arrangement is equal to 75 months^{1, 2, 3, 4} which would be billed under the 84 month^{3, 4} Term Payment Plan.

(C)

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

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

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.

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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 (Cont'd)

4. Disconnects (Cont'd)

- d. 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 Section E7.4.32.***

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
 - DSO (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/Channels for use with BellSouth Managed Ring
- e. 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).
 - f. 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.
 - g. A change of jurisdiction from interstate to intrastate service constitutes a disconnection of service for which Termination Liability 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.
 - h. Termination liability charges will not apply to any OC-3+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) disconnected on or after June 26, 2015.

Note 1: See Section 2.1.4 for Service availability.

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E2. GENERAL REGULATIONS**E2.6 Definitions (Cont'd)****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 channel. B8ZS enables Clear Channel Capability on DS1/1.544 Mbps High Capacity⁽¹⁾ service. (C)

BIT

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

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

A dedicated Special Access (a.k.a. BellSouth SPA) circuit which operates at digital transmission speeds of 1.544 Mbps or greater.

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.

CALL

The term "Call" denotes a customer attempt for which the complete address code (e.g., 0-, 911, or 10 digits) is provided to the serving dial tone office.

CARRIER IDENTIFICATION CODE (CIC)

The term "Carrier Identification Code" (CIC) denotes a unique three or four digit access identification code that is assigned to an Interexchange Carrier for use with BellSouth SWA FGB, BellSouth SWA FGD, BellSouth SWA TSBSA 1 and/or BellSouth SWA TSBSA 3 service.

Note 1: See Section 2.1.4 for Service availability.

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E2. GENERAL REGULATIONS**E2.6 Definitions (Cont'd)****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, 64Kbps channels over a 1.544 Mbps High Capacity⁽¹⁾ service via B8ZS line code format.

(C)

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.

(DELETED)**(DELETED)****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 GSST. A common line-business is a line provided under the business regulations of the GSST.

COMMUNICATIONS SYSTEM

The term "Communications System" denotes channels and other facilities, which are capable of communications between terminal equipment provided by other than the Company.

Note 1: See Section 2.1.4 for Service availability.

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E2. GENERAL REGULATIONS**E2.6 Definitions (Cont'd)****DETAIL BILLING**

The term "Detail Billing" denotes the listing of each message and/or rate element for which charges to a customer are due on a bill prepared by the Company.

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

A dedicated special access (*a.k.a. BellSouth SPA*) circuit which operates at digital transmission speeds of 64 Kbps or less.

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 the 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)

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* or *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.

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 interface 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.

EFFECTIVE 2-WIRE

The term "Effective 2-Wire" denotes a condition which permits the simultaneous transmission in both directions over a channel, but it is not possible to insure independent information transmission in both directions. Effective 2-wire channels may be terminated with 2-wire or 4-wire interfaces.

Note 1: See Section 2.1.4 for Service availability.

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E2. GENERAL REGULATIONS**E2.12 TDM to IP Transition****E2.12.1 General⁽¹⁾**

(C)

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

<u>Product Name</u>	<u>Reference</u>	<u>Wire Center</u>	<u>Exchange</u>	<u>Other Information</u>
Metallic (aka BellSouth SPA Metallic) Service	E7.2.1	GTBGTNMT	Gatlinburg	Distribution Areas 1105, 4102 and 4112
Telegraph Grade (aka BellSouth SPA Telegraph) Service	E7.2.2	GTBGTNMT	Gatlinburg	Distribution Areas 1105, 4102 and 4112
Voice Grade (aka BellSouth SPA DS0 VG) Service	E7.2.3	GTBGTNMT	Gatlinburg	Distribution Areas 1105, 4102 and 4112
Wired Music Service	E7.2.4	GTBGTNMT	Gatlinburg	Distribution Areas 1105, 4102 and 4112
Digital Data Access (aka BellSouth SPA DS0 Digital Data) Service	E7.2.7	GTBGTNMT	Gatlinburg	Distribution Areas 1105, 4102 and 4112
High Capacity (aka BellSouth SPA High Capacity) Service (64 kbps, 3.152 and 6.312 Mbps)	E7.2.8	GTBGTNMT	Gatlinburg	Distribution Areas 1105, 4102 and 4112
FlexServ (aka BellSouth SPA Customer) Rearrangement) Service	E7.4.12	GTBGTNMT	Gatlinburg	Distribution Areas 1105, 4102 and 4112

Note 1: See Section 2.1.4 for Service availability.

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

E5.2 Access Order (Cont'd)

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

B. (Cont'd)

4. (Cont'd)

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

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

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

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

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

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

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

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

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

**Type Service/
Critical
Dates**

**After:
Before:**

**APP
SID** **SID
LAM** **LAM
EIRD** **EIRD
DLRD** **DLRD
RID** **RID
DVA**

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

WATS (a.k.a. BellSouth SPA)

Voice Grade (a.k.a. BellSouth SPA DS0 VG)

1.60% 4.70% 6.60% 9.50% 13.20% 18.70%

High Capacity (a.k.a. BellSouth SPA High Capacity)⁽¹⁾

Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data)

BellSouth Metro Ethernet Service

12.90% 29.20% 33.10% 35.50% 37.50% 42.90%

1.50% 4.60% 6.10% 9.20% 13.50% 18.60%

11.60% 33.10% 42.90% 44.80% 47.30% 53.10%

(C)

BELLSOUTH SWA

Trunks or Lines

High Capacity (a.k.a. BellSouth SPA High Capacity)⁽¹⁾

Facilities

BellSouth Wavelength Service

2.40% 6.20% 7.50% 14.40% 22.20% 29.40%

12.90% 29.20% 33.10% 35.50% 37.50% 42.90%

12.90% 29.20% 33.10% 35.50% 37.50% 42.90%

(C)

Note 1: See Section 2.1.4 for Service availability.

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

E5.2 Access Order (Cont'd)

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

B. (Cont'd)

4. (Cont'd)

e. Cancellation Charge Percentages (Cont'd)

Type Service/ Critical Dates	After: Before:	DVA WOT	WOT FCD	FCD PTD	PTD DD	DD
SPECIAL ACCESS (A.K.A. BELLSOUTH SPA)						
WATS (a.k.a. BellSouth SPA)		33.20%	44.60%	56.60%	83.60%	100.00%
Voice Grade (a.k.a. BellSouth SPA DS0 VG)		33.20%	44.60%	56.60%	83.60%	100.00%
High Capacity (a.k.a. BellSouth SPA High Capacity) ⁽¹⁾		55.70%	66.20%	69.90%	86.20%	100.00%
BellSouth Metro Ethernet Service		53.10%	69.90%	85.60%	94.90%	100.00%
BELLSOUTH SWA						
Trunks or Lines		38.70%	41.70%	64.30%	93.50%	100.00%
BellSouth SWA High Capacity ⁽¹⁾		55.70%	66.20%	69.90%	86.20%	100.00%
BellSouth Wavelength Service		55.70%	66.20%	69.90%	86.20%	100.00%

(C)

(C)

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

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

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

E5.2.5 Selection Of Facilities For Access Orders

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

Note 1: See Section 2.1.4 for Service availability.

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Note 1: See Section 2.1.4 for Service availability.

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Note 1: (DELETED)

Note 2: See Section 2.1.4 for Service availability.

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Note 1: See Section 2.1.4 for Service availability.

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.1 General**

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

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

E7.1.1 Channel Types⁽⁵⁾

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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

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

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

Following is a brief description of each type of channel:

Voice Grade (a.k.a. BellSouth SPA DS0 VG)⁴ - a channel for the transmission of analog signals within an approximate bandwidth of 300-3000 Hz.

WATS Access Line (a.k.a. BellSouth SPA WATS Line)⁴ (WAL) - a channel from a customer designated premises to a WATS serving office for 800, WATS or similar service.

(DELETED)

Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data)⁴ - a channel for the digital transmission of synchronous serial data at rates of 2.4, 4.8, 9.6, 19.2, 56.0 or 64.0 kbps.

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

Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel)⁴ - 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: **(DELETED)**

Note 4: Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

Note 5: See Section 2.1.4 for Service availability.

(N)

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ACCESS SERVICES TARIFF

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.1 General (Cont'd)****E7.1.1 Channel Types (Cont'd)⁽³⁾**

(C)

Detailed descriptions of each of the channel types are provided in E7.2 following.

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.

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 Grade (a.k.a. BellSouth SPA DS0 VG)¹ channels or may be extended to other customer designated premises. Optional features may be added to either the 1.544 Mbps or the Voice Grade (a.k.a. BellSouth SPA DS0 VG)¹ channels.

E7.1.2 Rate Categories⁽³⁾

(C)

The following rate categories which apply to Special Access (a.k.a. BellSouth SPA) service:

- Local Channels (described in E7.1.2.A. following)
- Interoffice Channel (described in E7.1.2.B. following)
- Optional Features and Functions (described in E7.1.2.C. following)
- SMARTPath[®] service (a.k.a. BellSouth SPA Shared Ring) Area Connections (described in E7.1.2.D. following)
- SMARTPath[®] service (a.k.a. BellSouth SPA Shared Ring) Area Junctions (described in E7.1.2.D. following)
- SMARTRing^{®2} service (a.k.a. BellSouth Dedicated Ring) (described in E. following)

A. 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.

B. 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.

C. 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)

Material previously appearing on this page now appears on page(s) 3 of this section.

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ACCESS SERVICES TARIFF

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.1 General (Cont'd)****E7.1.2 Rate Categories (Cont'd)⁽²⁾**

(C)

C. (Cont'd)

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

- Signaling Capability
- Hubbing Functions
- Conditioning
- Transfer Arrangements
- 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.

- D.** The SMARTPath[®] service (a.k.a. BellSouth SPA Shared Ring) Area Connection provides for the connection at the designated premises where the customer gains access to SMARTPath[®] service (a.k.a. BellSouth SPA Shared Ring) and transport to a designated junction in the same SMARTPath[®] service (a.k.a. BellSouth SPA Shared Ring) area.

The SMARTPath[®] service (a.k.a. BellSouth SPA Shared Ring) Area Junction provides for the connection between the SMARTPath[®] service (a.k.a. BellSouth SPA Shared Ring) network and (1) another customer designated premises, in the same SMARTPath[®] service (a.k.a. BellSouth SPA Shared Ring) Area or (2) a serving wire center in the same SMARTPath[®] service (a.k.a. BellSouth SPA Shared Ring) Area for connection to (a) DS1 Basic Channelization, FlexServ[®] service (a.k.a. BellSouth SPA Customer Reconfiguration), or DS3 (a.k.a. BellSouth SPA DS3) service as provided in Section E7. of this Tariff, or (b) a SMARTPath[®] service (a.k.a. BellSouth SPA Shared Ring) Area Junction of another SMARTPath[®] service (a.k.a. BellSouth SPA Shared Ring) area in the same Metropolitan Area.

- E.** Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing[®]¹ 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.

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)

M1 Material appearing on this page previously appeared on page(s) 2 of this section.

M2 Material previously appearing on this page now appears on page(s) 3.1 of this section.

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.1 General (Cont'd)****E7.1.2 Rate Categories (Cont'd)****E. Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing¹ service [a.k.a. BellSouth Dedicated Ring]) (Cont'd)****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.

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.

F. Reserved for Future Use**G. Access Collocation Cross-Connects⁽³⁾**

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Access Collocation Cross-Connects provide a means for customers to interconnect their Shared Use and 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.

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.

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.1 General (Cont'd)****E7.1.3 Service Configurations⁽¹⁾**

(C)

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

A. Two-Point Service

A two-point service connects two customer designated premises, either on a directly connected basis or through a hub where channelization functions are performed or through FlexServ[®] service (a.k.a. BellSouth SPA Customer Reconfiguration) or a FlexServ[®] service (a.k.a. BellSouth SPA Customer Reconfiguration) optional feature, where one or more may be available.

Applicable rate elements are:

- Local Channels
- Interoffice Channels (as applicable)
- Optional Features and Functions (when applicable)

In addition, a Special Access (a.k.a. BellSouth SPA) Surcharge as set forth in E7.4.2 following and a Message Station Equipment Recovery Charge as set forth in E7.4.3 following may be applicable.

Note 1: See Section 2.1.4 for Service availability.

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.1 General (Cont'd)****E7.1.4 Alternate Use**

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

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

E7.1.5 Special Facilities Routing

A customer may request that the facilities used to provide Special Access (*a.k.a. BellSouth SPA*) service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable Only) are as set forth in Section E11. following.

E7.1.6 Design Layout Report

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

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

E7.1.7 Acceptance Testing

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

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

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

E7.1.8 Ordering Options And Conditions

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

Note 1: (DELETED)

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

Note 3: See Section 2.1.4 for Service availability.

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.2 Service Descriptions⁽⁴⁾**

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

- Voice Grade (a.k.a. BellSouth SPA DS0 VG)² (VG)
- **(DELETED)**
- Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data)² service (DDAS)
- High Capacity (a.k.a. BellSouth SPA High Capacity) (HC)
- WATS Access Line (a.k.a. BellSouth SPA WATS Line)² (WAL)
- Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel)² service
- Self-Healing Rings (SMARTRing³ service [a.k.a. BellSouth Dedicated Ring])

Each service consists of a basic channel to which a predefined technical specifications package, channel interface(s) and, when desired, optional features and functions are added to construct the service desired by the customer. Each of the components of the service are described in this section. Terms and conditions for central office interconnection of collocator-provided transmission equipment are set forth in BellSouth Telecommunications, Inc., Tariff F.C.C. No. 1, Section 20. Terms, conditions, and rates for Physical Access Collocation Cross-Connects and Virtual Access Collocation Cross-Connects are set forth in Section E13. of this Tariff for those services that are permitted to connect directly to a carrier's collocation space.

The channel description specifies the characteristics of the basic channel and indicates whether the channel is provided between customer designated premises or between a customer designated premises and a Company hub where bridging and/or channelization functions are performed.

Information pertaining to the technical specifications packages indicates the transmission parameters that are available with each package. This information is displayed in a matrix with the transmission parameters listed down the left side and the packages listed across the top. Each package is identified by a code, e.g., VG1. The first two letters of the code indicate the category of Special Access (a.k.a. BellSouth SPA) service to which the parameters are applicable. These two-letter codes are shown above in parentheses following the category of Special Access (a.k.a. BellSouth SPA) service. The number "1" following the two-letter code indicates the technical specifications package for a voice grade² service. An alphanumeric designation following the two-letter code indicates the specific predefined package. When appropriate, the Technical Reference which contains detailed specifications for the parameters is shown following the matrix.

Channel interfaces at each point of termination on a two-point service may be symmetrical or asymmetrical. On a multipoint service they may also be symmetrical or asymmetrical. However, communications can only be provided between points of termination with compatible channel interfaces. Only certain channel interfaces are compatible. These are set forth in a combination format.

Only certain channel interface combinations are available with the predefined technical specifications packages. These are delineated in the Technical References set forth at the end of this E7.2.

The optional features and functions available with each type of Special Access (a.k.a. BellSouth SPA) service are described in this section. The optional features and functions information also indicates with which technical specifications packages they are available. Such information is displayed in a matrix with the optional feature or function listed down the left side and the technical specifications package listed across the top.

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

Note 1: **(DELETED)**

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

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

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

Note 4: See Section 2.1.4 for Service availability.

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.2 Service Descriptions (Cont'd)**

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

Voice Grade (a.k.a. BellSouth SPA DSO VG) ²	TR-NPL-000335 PUB 41004, Table 4	
Digital Data Access (a.k.a. BellSouth SPA DSO Digital Data) ² For 2.4, 4.8, 9.6 and 56.0 Kbps	TR-NPL-000341 BellCore PUB 62310	
For 19.2 Kbps	INC. BULLETIN CB-INC-100	
For 64.0 Kbps	AT&T PUB 62310	
High Capacity (a.k.a. BellSouth SPA High Capacity) ⁽³⁾	TA-TSY -000342 TR-NPL-000054	(C)
WATS Access Line (a.k.a. BellSouth SPA WATS Line) ²	TR-NPL-000334	
Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) ² Service ⁽³⁾	BellSouth TR-73548 BellSouth TR-73548, Addendum 1	(C)

E7.2.1 Reserved for Future Use

Note 1: *(DELETED)*

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

Note 3: See Section 2.1.4 for Service availability.

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.2 Service Descriptions (Cont'd)****E7.2.3 Voice Grade (*a.k.a. BellSouth SPA DS0 VG*)¹ Services (Cont'd)**

D. Optional Features And Functions (Cont'd)

7. Telephoto Conditioning (Cont'd)

Attenuation Distortion
(1004 Hz Reference)

Frequency Range (Hz)	Variation (dB)
500 - 3000	- 0.5 to + 1.5
300 - 3200	- 1.0 to + 2.5

Envelope Delay Distortion

Frequency Range (Hz)	Variation (mcs)
1000 - 2600	Less than 111
800 - 2800	Less than 181

8. Signaling Capability

Signaling Capability provides for the process by which one customer premises alerts another customer premises on the same service with which it wishes to communicate.

9. 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.

10. 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.

11. FlexServ® service(*a.k.a. BellSouth SPA Customer Reconfiguration*)⁽²⁾

(C)

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. FlexServ® service (*a.k.a. BellSouth SPA Customer Reconfiguration*) is described in E7.4.12 following. Charges for this feature are contained in E7.5.16. following.

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

Note 2: See Section 2.1.4 for Service availability.

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.2 Service Descriptions (Cont'd)****E7.2.3 Voice Grade (a.k.a. BellSouth SPA DS0 VG)¹ Services (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 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					
FlexServ [®] Service (a.k.a. BellSouth SPA Customer Reconfiguration) ⁽²⁾	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			
Sealing Current												
Conditioning						X						
Signaling Capability	X	X	X				X	X	X			
Telephoto												
Conditioning											X	

(C)

E. Four-Wire/Two-Wire Conversions

When a customer requests that an effective four-wire channel be terminated with a two-wire channel interface at the customer designated premises, a four-wire to two-wire conversion is required. The rate for the conversion is included as part of the basic Local Channel rate.

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.

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.2 Service Descriptions (Cont'd)****E7.2.7 Digital Data Access (*a.k.a. BellSouth SPA DS0 Digital Data*)² Service (Cont'd)⁽³⁾**

(C)

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

- Central Office Bridging Capability
- Secondary Channel Capability
- FlexServ[®] service (*a.k.a. BellSouth SPA Customer Reconfiguration*)

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

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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	
FlexServ [®] Service (<i>a.k.a. BellSouth SPA Customer Reconfiguration</i>)	X	X	X	X	X	X

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.

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.2 Service Descriptions (Cont'd)****E7.2.7 Digital Data Access (*a.k.a. BellSouth SPA DS0 Digital Data*)² Service (Cont'd)****E7.2.8 High Capacity Service⁽³⁾**

(C)

This service is categorized as a Flex-Price service and is regulated under terms and conditions as described in E2.1.14 of this Tariff.

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, 2} 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 TR-NPL-000054

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: 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.

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.2 Service Descriptions (Cont'd)****E7.2.8 High Capacity (*a.k.a. BellSouth SPA High Capacity*) Service (Cont'd)⁽³⁾**

(C)

C. Channel Interfaces

The following channel interfaces (CIs) define the bit rates that are available for a High Capacity channel:

CI	Bit Rate
DS-15 ^{1, 2}	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 E7.3.1 following.

D. Optional Features and Functions

1.

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 TA-TSY-000342.
- b. CCC is provided on DS1/1.544 Mbps High Capacity (*a.k.a. BellSouth SPA DS1*) channels between two customer designated premises or between a customer designated premises and a Company Hub location and is subject to the availability of facilities. This optional feature may be ordered at the same time the DS1/1.544 Mbps High Capacity (*a.k.a. BellSouth SPA DS1*) channel is ordered, or it may be ordered as an additional feature of an existing channel.
- c. When providing CCC via a DS3/44.736 Mbps High Capacity (*a.k.a. BellSouth SPA DS3*) channel, that DS3 channel must be designated, in Company records, as having Clear Channel Capability prior to the provisioning of a DS1/1.544 Mbps High Capacity (*a.k.a. BellSouth SPA DS1*) channel with CCC. Customers must agree to out-of-service periods required to add this feature to; 1) an existing DS1/1.544 Mbps High Capacity (*a.k.a. BellSouth SPA DS1*) channel or 2) a DS3/44.736 Mbps High Capacity (*a.k.a. BellSouth SPA DS3*) channel which transports a DS1/1.544 Mbps High Capacity (*a.k.a. BellSouth SPA DS1*) channel, to be optioned for B8ZS.

Note 1: A 64.0 Kbps channel is available as a channel(s) of a 1.544 Mbps facility to a Company Hub.

Note 2: 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 3: See Section 2.1.4 for Service availability.

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

(C)

D. Optional Features and Functions (Cont'd)**3. Transfer Arrangement**

An arrangement that affords the customer an additional measure of flexibility in the use of their access channel(s). The arrangement can be utilized to transfer a leg of a Special Access (a.k.a. BellSouth SPA) service to either a spare or working channel that terminates in either the same or a different customer premises. A key activated or dial up control service is required to operate the transfer arrangement. A spare channel, if required, is not included as part of the option.

4. Channelization Interface**a. DS3 to DS1**

An arrangement that channelizes a 44.736 Mbps channel to twenty-eight 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 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.

5. Channel Interface**a. DS1 Level Central Office Channel Interface**

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

b. DS1 Level Customer Channel Interface

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

c. DS0 Level Central Office Channel 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.

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.

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.2 Service Descriptions (Cont'd)****E7.2.8 High Capacity (*a.k.a. BellSouth SPA High Capacity*) Service (Cont'd)⁽¹⁾**

(C)

D. Optional Features and Functions (Cont'd)

6. FlexServ[®] service (*a.k.a. BellSouth SPA Customer Reconfiguration*)

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

Note 1: See Section 2.1.4 for Service availability.

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.2 Service Descriptions (Cont'd)****E7.2.8 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd)⁽³⁾**

(C)

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 HC-				
	0	1	1C	2	3
Channelization:					
DS3 to DS1					X
DS2 to DS1				X	
DS1C to DS1			X		
DS1 Basic		X			
Channelization System					
DS0 Basic		X			
Channelization System ^{1,2}					
Transfer Arrangement			X		
Clear Channel Capability			X		
FlexServ [®] Service (a.k.a. BellSouth SPA Customer Reconfiguration)	X	X			

E7.2.9 Reserved For Future Use**E7.2.10 Reserved For Future Use****E7.2.11 Reserved For Future Use****E7.2.12 SMARTPath[®] Service (a.k.a. BellSouth SPA Shared Ring)**

This service is categorized as a Flex-Price service and is regulated under terms and conditions as described in E2.1.14 of this Tariff.

A. Service Description

SMARTPath[®] service (a.k.a. BellSouth SPA Shared Ring) is a shared high capacity network service capable of providing a 1.544 Mbps transport link with high performance and reliability parameters and a level of redundancy/diversity designed to limit a single event from interrupting service. This service is available only in those locations within specified SMARTPath[®] service (a.k.a. BellSouth SPA Shared Ring) Areas which the Company determines can be incorporated into the SMARTPath[®] service (a.k.a. BellSouth SPA Shared Ring) network enabling the Company to provide the specified level of performance and reliability. For locations where a customer requests SMARTPath[®] service (a.k.a. BellSouth SPA Shared Ring) and facilities are not available, special construction charges will apply as set forth in Section E14. following. SMARTPath[®] service (a.k.a. BellSouth SPA Shared Ring) Areas are identified in the National Exchange Carrier (NECA) Tariff F.C.C. No. 4.

Note 1: Available only on 64.0 Kbps DDAS (a.k.a. BellSouth SPA DS0 Digital Data) service or on a DS1 (1.544 Mbps) channel with Clear Channel Capability to a Company hub.

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.

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.2 Service Descriptions (Cont'd)****E7.2.12 SMARTPath® Service (a.k.a. BellSouth SPA Shared Ring) (Cont'd)⁽²⁾**

(C)

A. Service Description (Cont'd)

SMARTPath® service (a.k.a. BellSouth SPA Shared Ring) provides a transport link between a customer designated premises where the network is accessed and (1) another customer designated premises, in the same SMARTPath® service (a.k.a. BellSouth SPA Shared Ring) Area or (2) a serving wire center in the same SMARTPath® service (a.k.a. BellSouth SPA Shared Ring) Area for connection to (a) DS1 Basic Channelization, FlexServ® service (a.k.a. BellSouth SPA Customer Reconfiguration), SMARTRing® service (a.k.a. BellSouth Dedicated Ring), or DS3 (a.k.a. BellSouth SPA DS3) service as provided in Section E7. of this Tariff, or (b) a SMARTPath® service (a.k.a. BellSouth SPA Shared Ring) Area Junction of another SMARTPath® service (a.k.a. BellSouth SPA Shared Ring) area in the same Metropolitan Area.

The technical specifications and standard network interfaces for SMARTPath® service (a.k.a. BellSouth SPA Shared Ring) are contained in BellSouth Telecommunications, Inc. Technical Reference Publication 73575. This publication is available from BellSouth Telecommunications, Inc. Documentation Operations, North W5A1, 3535 Colonnade Parkway, Birmingham, Alabama 35243.

DS1s carried over Synchronous Optical Network (SONET) transport systems can incur phase transients as a result of pointer adjustments. In some instances timing problems could surface in customer's equipment with Stratum 3 or better clocks. This may result in the customer's clock disqualifying its synchronization reference, generating an alarm and/or selecting an alternate reference or entering holdover. To insure proper operation, channelized DS1 circuits must comply with Bellcore Technical Advisory, TA-NWT-000436, Digital Synchronization Network Plan, and ANSI T1.101-1994. When timing is taken from a Company transported DS1, the customer's equipment must be capable of accommodating SONET pointer adjustments.

B. Performance Objectives

ANSI T1.403-1989 Extended SuperFrame Format (ESF) is required on all circuits in order to assure performance objectives. The performance objectives for SMARTPath® service (a.k.a. BellSouth SPA Shared Ring) are as follows:

1. Meet or exceed 99.99 percent Circuit Availability on a monthly basis. This objective applies except where a customer's equipment is disconnected and/or inoperative.
2. Meet or exceed 99.95 percent Error Free Seconds on a monthly basis.
3. Meet or exceed .009 percent Severely Errored Seconds on a monthly basis.

C. Performance Guarantees

The performance guarantees for SMARTPath® service (a.k.a. BellSouth SPA Shared Ring) are as follows:

1. Guaranteed service installation - the Company will meet negotiated due date or credit an amount equal to the nonrecurring charge according to the Service Installation Guarantee described in E2.4.9 preceding.
2. Service Continuity - in the event of primary facility failure, service is guaranteed to switch to an alternate facility path in sixty (60) seconds or less. Failure to meet this guarantee will result in a credit as described in E2.4.4.B.7. preceding, where the trouble is in the network.

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.

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.2 Service Descriptions (Cont'd)****E7.2.15 Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel)¹ Service⁽³⁾**

(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 voice¹ and subrate multiplexing¹ 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 multiplexing¹ 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 multiplexed¹ 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.

B. Channel Interfaces

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

CI

2DV5.BA

Bit Rate2.4 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., Regional Documentations Coordinator, 20th Floor, 600 North 19th Street, Birmingham, Alabama 35203.

E7.2.16 SMARTRing^{®2} service (a.k.a. BellSouth Dedicated Ring)**A. Self-healing Multi-nodal Alternate Route Topology Ring**

1. SMARTRing[®] service (a.k.a. BellSouth Dedicated Ring) is a dedicated, high capacity, network designed to provide increased reliability and functionality via a self-healing ring topology between multiple customer designated locations and Company Central Offices where facilities can be made available as determined by the Company. This network consists of fiber routed through local, alternate central office, internodal and/or interoffice channel facilities that transmit DS1, DS3, STS-1, OC-3, OC-12, OC-48 and/or 1000 Mbps channel services simultaneously over primary and alternate paths between customer designated locations and Company Central Offices. This ring topology will continually monitor DS1, DS3, STS-1, OC-3, OC-12, OC-48 and/or 1000 Mbps service quality, detect any failure within the system, and automatically self-heal around a point of failure to ensure the flow of DS1, DS3, STS-1, OC-3, OC-12, OC-48 and/or 1000 Mbps services between locations within the network.

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.

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.3 Channel Interface And Network Channel Codes**

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

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

DC = Facility interface for direct current or voltage

8 = Variable impedance level

3 = 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	(DS0) 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

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.

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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
- 15	1.544 Mbps (DS1) Superframe (SF) format per TA-TSY-000342
- 15B	1.544 Mbps (DS1) Superframe (SF) format and B8ZS Clear Channel Capability per TA-TSY-000342
- 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

Note 1:See Section 2.1.4 for Service availability.

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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
DS -	Digital hierarchy interface
- 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)
- 31	3.152 Mbps (DS1C)
- 31L	3.152 Mbps (DS1C) with SF signaling
- 44	44.736 Mbps (DS3)
- 44L	44.736 Mbps (DS3) with SF signaling
- 63	6.312 Mbps (DS2)
- 63L	6.312 Mbps (DS2) with SF signaling
DU -	Digital access interface
- 19(S) ¹	19.2 Kbps ²
- 24(S) ¹	2.4 Kbps ²
- 48(S) ¹	4.8 Kbps ²
- 56(S) ¹	56.0 Kbps ²
- 64(S)	64.0 Kbps ²
- 96(S) ¹	9.6 Kbps 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 and Voice Multiplexing
- BC	Digital Data Over Voice, 9.6 Kbps ²

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.

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.4 Rate Regulations**

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

E7.4.1 Types Of Rates And Charges⁽⁶⁾

(C)

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

1. Monthly Rates

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

Digital Data Access² (a.k.a. BellSouth SPA DS0 Digital Data)³ service and Derived Data Channel Service³ are offered under two contract plans. Contract plan rates are available in payment periods from twenty-four to forty-two months¹ and in payment periods from forty-three to sixty months^{1, 2} under conditions specified in the Channel Services Payment Plan in E2.4 of this Tariff. (These payment periods are an exception to those listed in E2.4 of this Tariff.)

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

- a. A customer subscribes to Digital Data Access² (a.k.a. BellSouth SPA DS0 Digital Data)³ service using the twenty-four to forty-two month^{1, 2} payment plan. The contract plan period is for thirty months². The subscriber terminates the service after twelve months. The total liability charge is thirty months times the monthly rate. The amount is then reduced to reflect the number of months the subscriber has had the service, which in this example is twelve months. Therefore, the Termination Liability Charge is calculated as follows:

Termination Liability Charge = (30 months x monthly rate) - (12 months x monthly rate)

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

Contract rates are available for 1.544 Mbps High Capacity² (a.k.a. BellSouth SPA DS1) service for variable periods, with rates based on lengths of 36 months^{4, 5}, 60 months^{1, 2, 4, 5} or 84 months^{1, 2, 4, 5} under conditions specified in the Channel Service Payment Plan in E2.4 of this Tariff. A Termination Liability Charge is applicable at the date of termination. The applicable charge for a tariff term plan entered into prior to April 3, 2001, will be equal to the number of months remaining in the contract times the monthly contract rate. However, Termination Liability charges will not apply for customer requests for moves of service under CSPP subject to the provisions set forth in E2.4.9.A.11. preceding.

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

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

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

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.

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.4 Rate Regulations (Cont'd)****E7.4.1 Types Of Rates And Charges (Cont'd)⁽⁵⁾**

(C)

A. (Cont'd)

2. **(DELETED)**

3. Nonrecurring Charges

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

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

The following list identifies the individual Special Access (a.k.a. BellSouth SPA) services provided under Section E7. of this Tariff which are eligible for credit of nonrecurring charges under "Service Installation Guarantee" found in E2.4.10 of this Tariff. Customers with these services are not eligible for the Service Installation Guarantee when the requested installation, move or rearrangement service order interval is four days or less as measured from the Application Date of the order.

- Voice Grade (a.k.a. BellSouth SPA DS0 VG)³,
- **(DELETED)**
- Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data) service^{1,3},
- High Capacity (a.k.a. BellSouth SPA High Capacity) service
- SMARTPath service (a.k.a. BellSouth SPA Shared Ring)
- Commercial Quality Video (a.k.a. BellSouth SPA Commercial Quality Video) service
- SMARTRing⁴ service (a.k.a. BellSouth Dedicated Ring)

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

Note 2: **(DELETED)**

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

Note 4: Effective on or after 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.

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.4 Rate Regulations (Cont'd)****E7.4.1 Types Of Rates And Charges (Cont'd)⁽³⁾**

(C)

A. (Cont'd)**3. Nonrecurring Charges (Cont'd)**

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

- FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration)
- BellSouth Metro Ethernet² service

a. Installation of Service

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

b. Installation of Optional Features and Functions

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

First and Additional nonrecurring charges are applicable to activate each individual Central Office Channel Interface of a DS1 or DS0 Basic Channelization System¹, and are in addition to the nonrecurring charges for the DS1 or DS0 Basic Channelization System¹. A "First" Central Office Channel Interface nonrecurring charge is applicable to the first Central Office Channel Interface installed coincident with the installation of a DS1 or DS0 Basic Channelization System¹, per service request. The "Additional" nonrecurring charge applies for each additional Central Office Channel Interface, of the same type, ordered and installed at the same location, for the same customer, at the same time, on the same order request. Future requests for a Central Office Channel Interface on an existing DS1 or DS0 Basic Channelization System¹ will be treated as new requests and will require "First" and "Additional" Central Office Channel Interface nonrecurring charge application in addition to any other applicable charges.

One nonrecurring charge is applicable for each individual DS1 Level Central Office or Customer Channel Interface and is in addition to any other applicable charge(s).

The nonrecurring charges for the installation of optional features and functions are set forth in E7.5 following as nonrecurring charges for optional features and functions associated with the specific services.

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 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 3: See Section 2.1.4 for Service availability.

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.4 Rate Regulations (Cont'd)****E7.4.2 Surcharge For Special Access (a.k.a. BellSouth SPA) Service (Cont'd)⁽³⁾**

(C)

E. Application of Rates

- 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	1 X	\$ 25.00	\$ 25.00
DS1	24 X	25.00	600.00

- 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.
- 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.

E7.4.3 Message Station Equipment Recovery Charge

The Message Station Equipment Recovery Charge is a charge to recover that portion of message station equipment that is assigned to Special Access (a.k.a. BellSouth SPA) service.

This charge is assessed only to those customers to which the Special Access (a.k.a. BellSouth SPA) Surcharge applies. The rate for the Message Station Equipment Recovery Charge is set forth in E7.5.9.

E7.4.4 Minimum Periods

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 SMARTPath service (a.k.a. BellSouth SPA Shared Ring), BellSouth Metro Ethernet¹ service and SMARTRing² service (a.k.a. BellSouth Dedicated Ring) is four (4) months.

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

The minimum service period for Custom Network Service (a.k.a. BellSouth Custom Network Service) is specified in each Custom Network Service Arrangement in E7.7 following.

E7.4.5 Moves**A. A move involves a change in the physical location of one of the following:**

- The point of termination at the customer's premises
- 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.

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.

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

(C)

A customer has the option of ordering Voice Grade (a.k.a. BellSouth SPA DS0 VG)² facilities or digital high capacity (a.k.a. BellSouth SPA High Capacity) facilities (i.e., DS1, DS1C, DS2 or DS3) to a facility Hub for channelizing to individual services requiring lower capacity facilities (e.g., Voice (a.k.a. BellSouth SPA DS0 VG)², etc.).

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

Some of the types of channelization available include the following:

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

End to end services may be provided on channels of these facilities to a hub. The transmission performance for the end to end service provided between customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps facility is channelized to voice frequency channels, the transmission performance of the channelized services will be Voice Grade (a.k.a. BellSouth SPA DS0 VG)², not High Capacity (a.k.a. BellSouth SPA High Capacity).

The Company will commence billing the monthly rate for the facility to the Hub on the date specified by the customer on the service order. Individual services utilizing these facilities may be installed coincident with the installation of the facility to the Hub or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a Voice Grade (a.k.a. BellSouth SPA DS0 VG)² or digital Local Channel, Interoffice Channel, if applicable and the Basic Channelization System at the time the facility is installed. DS1 and DS0 Basic Channelization Systems² require a Central Office Channel Interface for activation of each lesser capacity channel. DS3 to DS1 channelization arrangements, for transport of intrastate DS1 service high capacity channels via LightGate[®] (a.k.a. BellSouth SPA Point to Point Network) and SMARTRing^{®3} services (a.k.a. BellSouth SPA Dedicated Ring), require a DS1 channel interface for activation of each DS1 channel. Individual service rates (by service type) will apply for a Local Channel, additional Interoffice Channel and Central Office Channel Interface(s) (as required), if applicable, for each channelized service. These will be billed to the customer as each individual service is installed.

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

When cascading channelization is performed, whether in the same or a different Hub, a charge for the additional Basic Channelization System and Central Office Channel Interface(s) also applies. A DS1 channelization System and DDAS (a.k.a. BellSouth SPA DS0 Digital Data)² Central Office Channel Interface are required for high speed or low speed DDAS (a.k.a. BellSouth SPA DS0 Digital Data)² activations when channelized from a DS1 (1.544 Mbps) channel. A DS0 Basic Channelization System² and Subrate² Central Office Channel Interface are required for subrate² activations of 2.4, 4.8 and 9.6 Kbps when channelized from a DS0 (64 Kbps)² channel. When cascading channelization is performed at different Hubbing locations, Interoffice Channel charges also apply between the Hubs.

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

Note 1: (DELETED)

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

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

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

Note 4: See Section 2.1.4 for Service availability.

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

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E7.4.8 Shared Use Analog And Digital High Capacity (a.k.a. BellSouth SPA High Capacity) Services (Cont'd)**E7.4.9 Reserved For Future Use****E7.4.10 Reserved For Future Use****E7.4.11 Reserved For Future Use****E7.4.12 FlexServ[®] Service (a.k.a. BellSouth SPA Customer Reconfiguration)**

When associated with digital single special access services or bulk special access services (1.544 Mbps or greater) this service is a Flex-Price service and is regulated under terms and conditions as described in E2.1.14 of this Tariff.

A. General

FlexServ[®] service (a.k.a. BellSouth SPA Customer Reconfiguration) 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 special access (a.k.a. BellSouth SPA High Capacity) services without the direct intervention of Company personnel.

1. Basic FlexServ[®] service (a.k.a. BellSouth SPA Customer Reconfiguration)

Basic FlexServ[®] service (a.k.a. BellSouth SPA Customer Reconfiguration) includes monitoring and reconfiguration of the customer's private line services equipped with FlexServ[®] service (a.k.a. BellSouth SPA Customer Reconfiguration). 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 FlexServ[®] service (a.k.a. BellSouth SPA Customer Reconfiguration). 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.

Note 1: (DELETED)**Note 2: (DELETED)****Note 3: (DELETED)****Note 4:** See Section 2.1.4 for Service availability.

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.4 Rate Regulations (Cont'd)****E7.4.12 FlexServ® Service (a.k.a. BellSouth SPA Customer Reconfiguration) (Cont'd)⁽¹⁾**

(C)

A. General (Cont'd)**1. Basic FlexServ® service (a.k.a. BellSouth SPA Customer Reconfiguration) (Cont'd)**

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

The customer is responsible for providing the terminal equipment required for access to FlexServ® service (a.k.a. BellSouth SPA Customer Reconfiguration).

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 FlexServ® service (a.k.a. BellSouth SPA Customer Reconfiguration) 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 FlexServ® service (a.k.a. BellSouth SPA Customer Reconfiguration), the Company provides the capability for one "User Access" for monitoring and reconfiguration signals. This capability is referred to in this Tariff as access to FlexServ® service (a.k.a. BellSouth SPA Customer Reconfiguration) or "User Access". 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 FlexServ® service (a.k.a. BellSouth SPA Customer Reconfiguration).

The Local and Interoffice Channels which are terminated into FlexServ® service (a.k.a. BellSouth SPA Customer Reconfiguration) are subject to all regulations and charges contained in their respective sections of this Tariff 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.

FlexServ® service (a.k.a. BellSouth SPA Customer Reconfiguration) is furnished only in serving wire centers where facilities are available.

Note 1: See Section 2.1.4 for Service availability.

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.4 Rate Regulations (Cont'd)****E7.4.12 FlexServ Service (a.k.a. BellSouth SPA Customer Reconfiguration) (Cont'd)⁽¹⁾**

(C)

A. General (Cont'd)**2. Customer Circuits**

There are *three* types of channel connections, which can be connected to FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) - 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 (a.k.a. BellSouth SPA DS0 VG) 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.

3. FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) Options

- 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 Access to FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration), then the customer must also order an additional Security Card 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 FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration). 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 FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration).
 - (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 FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) 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 4 legs).

Note 1: See Section 2.1.4 for Service availability.

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.4 Rate Regulations (Cont'd)****E7.4.12 FlexServ Service (a.k.a. BellSouth SPA Customer Reconfiguration) (Cont'd)⁽¹⁾**

(C)

A. General (Cont'd)**3. FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) Options (Cont'd)**

- e. Subrate Reconfiguration Capability is an option that provides the customer the ability to control all ports of a subrate multiplexer within a FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) 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.

4. Shared FlexServ Service (a.k.a. BellSouth SPA Customer Reconfiguration) Arrangement

Multiple customers may include circuits with the FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) option in the same FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) arrangement, provided all customers designate in writing the same party to serve as their agent. (A FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) arrangement consists of all special access (a.k.a. BellSouth SPA) services with 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 FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) arrangement or circuits included in that arrangement including reconfigurations, monitoring, ordering of additional special access (a.k.a. BellSouth SPA) services and FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) options in the arrangement, and removal of special access (a.k.a. BellSouth SPA) 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 FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) 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 FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) 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 (a.k.a. BellSouth SPA) 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 (a.k.a. BellSouth SPA) services upon revocation of the agent's authority or removal from the shared arrangement.

5. Access Collocation Cross-Connects

Access Collocation Cross-Connects provides a means for customers to interconnect their FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) *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*.

B. Application of Rates**1. Basic FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration)**

- 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 FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) are contained in E7.5.16.

Note 1: See Section 2.1.4 for Service availability.

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E7. SPECIAL ACCESS (A.K.A BELLSOUTH SPA) SERVICE**E7.4 Rate Regulations (Cont'd)****E7.4.12 FlexServ® Service (a.k.a. BellSouth SPA Customer Reconfiguration) (Cont'd)⁽¹⁾**

(C)

B. Application of Rates (Cont'd)**2. FlexServ® service (a.k.a. BellSouth SPA Customer Reconfiguration) 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.

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 applies for each DS0 or equivalent that is equipped with this capability. This option must be purchased in groups of 5 because a unit has the capacity of 5 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 FlexServ® service (a.k.a. BellSouth SPA Customer Reconfiguration) 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 *for a tariff term plan entered into prior to April 3, 2001*, will be ninety percent of the remaining amount due. 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.

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

Note 1: See Section 2.1.4 for Service availability.

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

E7.4 Rate Regulations (Cont'd)

E7.4.13 Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel)¹ Service (DDCS)⁽³⁾

(C)

A. Application of Rates

The 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). 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.

E7.4.14 SMARTRing^{®2} Service (a.k.a. BellSouth Dedicated Ring)

A. Self-healing Multi-nodal Alternate Route Topology Ring

1. Monthly rates and charges as specified in E7.5.17 following apply for each SMARTRing[®] service (a.k.a. BellSouth Dedicated Ring). Customers must specify network capacity at the time of the initial order. In an Overlay Ring Arrangement where a customer's overlaying SMARTRing service (a.k.a. BellSouth Dedicated Ring) rides the customer's host SMARTRing[®] service (a.k.a. BellSouth Dedicated Ring), the overlay ring will share the transport of the host ring between common node locations. Rate categories at OC-3, OC-3+, OC-12, OC-24, OC-48, OC-48+, OC-192 and OC-192+ capacity levels include Customer Nodes, Central Office Nodes, Local Channels, Alternate Central Office Channels, Interoffice Channels and Internodal Channels. OC-24 SMARTRing[®] service (a.k.a. BellSouth Dedicated Ring) is only available to existing CSPP customers or under month-to-month arrangements. Rate categories for OC-1 SMARTRing[®] service (a.k.a. BellSouth Dedicated Ring) include Customer Nodes and Central Office Nodes. Channel Interfaces are required at each node on the network and must be associated with a SMARTRing[®] service (a.k.a. BellSouth Dedicated Ring). An OC-1 Overlay Ring Arrangement requires an OC-1 Channel Interface at each node involved. An OC-3 Overlay Ring Arrangement requires an OC-3 Channel Interface at each node involved. An OC-3+ or OC-12 Overlay Ring Arrangement requires an OC-12 Channel Interface at each node involved. An OC-48 or 48+ Overlay Ring Arrangement requires an OC-48 Channel Interface at each node involved. In Overlay Ring Arrangements, the customer must order a Channel Interface for each entry to or exit from the host ring. In all other situations, the number of Channel Interfaces ordered will depend on whether the customer desires a working interface, or a working interface and a protection interface. The quantity of channel interfaces ordered may not exceed the capacity ordered. When a 28 DS1 Channel System is utilized to activate DS1 channels, the appropriate number of DS1 Channel Interfaces are required in lieu of an originating or terminating DS3 or STS-1 Channel Interface.

2. Nonrecurring charges for Local, Alternate Central Office, Interoffice and Internodal Channels apply for each channel for month-to-month customers. Nonrecurring charges are not applicable when the ring level rate elements and channel interfaces are ordered under TPP arrangements. SMARTRing[®] service (a.k.a. BellSouth Dedicated Ring) ring level rate elements are defined as following: Local Channel, Interoffice Channel, Internodal Channel, Alternate Central Office Channel, Customer Node and Central Office Node. Nonrecurring charges do apply for the Channel Interface Reallocation rate element and the SMARTRing[®] service (a.k.a. BellSouth Dedicated Ring) rearrangement rate elements (Surveillance and Reconfiguration) for CSPP and TPP customers. When the customer requests two separate routes and the routing is provided as described in E7.2.16.A preceding, charges apply for the Local Channels and any Interoffice Channels on the requested route. Recurring charges for Local, Alternate Central Office, Interoffice and Internodal Channels apply for each quarter air mile increment of the channel. Fractions of a quarter mile will always round up to the next quarter air mile before determining the mileage and applying the rate. For channels which are less than one quarter mile, a minimum charge of one quarter mile applies.

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.

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

E7.4 Rate Regulations (Cont'd)

E7.4.17 SMARTPath Service (a.k.a. BellSouth SPA Shared Ring)⁽⁴⁾

(C)

A. Application of Rates

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

The SMARTPath service (a.k.a. BellSouth SPA Shared Ring) Area Connection rate element provides for the connection at the designated premises where the customer gains access to SMARTPath service (a.k.a. BellSouth SPA Shared Ring) and transport to a designated junction on the network. The SMARTPath service (a.k.a. BellSouth SPA Shared Ring) Area Junction rate element provides for the connection between the SMARTPath service (a.k.a. BellSouth SPA Shared Ring) network and (1) another customer designated premises, in the same SMARTPath service (a.k.a. BellSouth SPA Shared Ring) Area or (2) a serving wire center in the same SMARTPath service (a.k.a. BellSouth SPA Shared Ring) Area for connection to (a) DS1 Basic Channelization, FlexServ² service (a.k.a. BellSouth SPA Customer Reconfiguration), SMARTRing³ service (a.k.a. BellSouth Dedicated Ring) or DS3 service as provided in Section E7. of this Tariff, or (b) a SMARTPath service (a.k.a. BellSouth SPA Shared Ring) Area Junction of another SMARTPath service (a.k.a. BellSouth SPA Shared Ring) area in the same Metropolitan Area.

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

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

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

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

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

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

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

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

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

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

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

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

Note 4: See Section 2.1.4 for Service availability.

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.5 Rates And Charges (Cont'd)****E7.5.8 High Capacity (a.k.a. BellSouth SPA High Capacity) Service⁽⁷⁾**

(C)

A. Local Channel**1. Per Point of Termination**

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

2. Contract Rates Per Point Of Termination²

		Nonrecurring First	Charge Additional	24 to 48 Months^{3,4,5,6}	49 to 72 Months^{3,4,5}	73 to 96 Months^{3,4,5}	USOC
(a)	1.544 Mbps	\$735.00	\$335.00	\$106.00	\$104.00	\$102.00	TMECS

B. Interoffice Channel**1. 1.544 Mbps****Mileage Bands**

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

Note 1: ICB rates and charges apply.**Note 2:** Contract lengths are flexible to allow customer choice of payment period per E2.4.9.**Note 3:** Effective December 16, 2013, Customers may not establish new term plans greater than 36 months for Digital Data service and term plans may not be renewed for a term greater than 36 months.**Note 4:** Effective March 28, 2019, Customers may not convert or renew CSPPs for High Capacity Service.**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.

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.5 Rates And Charges (Cont'd)****E7.5.8 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd)⁽⁷⁾**

(C)

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

		Fixed					
		Nonrecurring	Monthly	24 to 48	49 to 72	73 to 96	
		Charge	Charge	Months ^{3,4,5,6}	Months ^{3,4,5}	Months ^{3,4,5}	USOC
(a)	0 mile	\$-	\$-	\$-	\$-	\$-	1L5XX
(b)	1 thru 8 miles	290.00	65.00	18.00	16.00	14.00	1L5XX
(c)	9 thru 25 miles	290.00	65.00	18.00	16.00	14.00	1L5XX
(d)	Over 25 miles	290.00	65.00	18.00	16.00	14.00	1L5XX

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

Note 2: Monthly rates are per mile.

Note 3: Effective December 16, 2013, Customers may not establish new term plans greater than 36 months for High Capacity Service and term plans may not be renewed for a term greater than 36 months.

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

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)

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Sixth Revised Page 49
Cancels Fifth Revised Page 49

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.5 Rates And Charges (Cont'd)****E7.5.8 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd)⁽¹⁾**

(C)

B. Interoffice Channel (Cont'd)**3. 3.152 Mbps****Mileage Bands**

	Fixed Monthly Charge	Monthly Charge Per Mile	Nonrecurring Charge	USOC 1LOXX
(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 1: See Section 2.1.4 for Service availability.

(N)

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Seventh Revised Page 50
Cancels Sixth Revised Page 50

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.5 Rates And Charges (Cont'd)****E7.5.8 High Capacity (*a.k.a. BellSouth SPA High Capacity*) Service (Cont'd)⁽²⁾**

(C)

B. Interoffice Channel (Cont'd)

4. 6.312 Mbps

Mileage Bands

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

5. 44.736 Mbps

Mileage Bands

(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)

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Ninth Revised Page 51
Cancels Eighth Revised Page 51

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.5 Rates And Charges (Cont'd)****E7.5.8 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd)⁽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 Channelization²****(1) DS0 Basic Channelization System (DS0 to Subrate)
(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**

**Monthly
Rate**
\$-

**Nonrecurring
Charge**
\$-

**USOC
MXB++**

-

-

MXD++

-

-

MXH++**210.00****140.00****MQ1****120.00****140.00****QSU24****120.00****140.00****QSU48****120.00****140.00****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)

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Fourteenth Revised Page 51.0.1
Cancels Thirteenth Revised Page 51.0.1

EFFECTIVE: November 3, 2025

E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.5 Rates And Charges (Cont'd)****E7.5.8 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd)⁽⁸⁾**

(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 ^{2,3,6,7}	49 to 72 Months ^{2,3,6}	73 to 96 Months ^{2,3,6}	Nonrecurring Charge	USOC
(a) Asynchronous	\$12.00	\$8.00	\$7.00	\$6.00	\$155.00	1D3CA
(b) Synchronous	36.00	31.00	28.00	25.00	135.00	1D3CS
(2) DS1 Level Customer Channel Interface¹						
(a) Asynchronous	17.00	13.00	13.00	13.00	305.00	1D3DA
(b) Synchronous	45.00	36.00	33.00	30.00	255.00	1D3DS

b. Sub-DS1 Interfaces**(1) VG/DS0 Level Central Office Channel Interface**

	Monthly Rate	Nonrecurring Charge First Additional	USOC
(a) BellSouth SWA	\$0.00	\$0.00 \$0.00	1D1SW
(b) Reserved for Future Use			
(c) Reserved for Future Use			
(d) Voice Grade (BellSouth SPA DSO VG) ⁵	6.50	7.00 6.00	1D1VG
(e) WATS Access Line (BellSouth SPA WATS Line) ⁵	6.50	7.00 6.00	1D1WT
(f) (DELETED)			
(g) (DELETED)			
(h) DDAS (BellSouth SPA DSO Digital Data) ⁵	13.00	7.00 6.00	1D1DD

(c) Sub-DS0 Interfaces**(1) Subrate Level Central Office Channel Interface⁵**

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

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

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

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

Note 4: **(DELETED)**

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

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

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)

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Tenth Revised Page 51.1
Cancels Ninth Revised Page 51.1

EFFECTIVE: November 3, 2025

E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.5 Rates And Charges (Cont'd)****E7.5.8 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd)⁽¹⁾**

(C)

C. Optional Features and Functions (Cont'd)

4. Clear Channel Capability is furnished on a per DS1 service channel basis.

Per DS1/1.544 Mbps High Capacity Channel optioned as:

		Monthly	Nonrecurring		
		Rate	Initial	Subsequent	USOC
(a)	Superframe Format (SF)	\$-	\$-	\$590.00	CCOSF
(b)	Extended Superframe Format (ESF)	-	-	590.00	CCOEF
5.	Virtual Collocation to High Capacity (a.k.a. BellSouth SPA HighCapacity) Service				
(a)	Per DS1 Cross-Connect	7.50	155.00	14.00	CNC1X

Note 1: See Section 2.1.4 for Service availability.

(N)

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Cancels Tenth Revised Page 52.0.2

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.5 Rates And Charges (Cont'd)****E7.5.15 Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel)³ Service⁽⁴⁾**

(C)

A. Local Channel**1. Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel)**

	Nonrecurring Charge	Month to Month²	24 to 42 Months²	43 to 60 Months²	USOC
(a) Per channel at 2.4 Kbps	\$470.00	\$17.00	\$13.50	\$11.00	DAXPC
2. DS0-B Interface					
(a) Per group of twenty channels at 2.4 Kbps each	350.00	70.00	65.00	62.00	DAXP1

B. Interoffice Channel**1. Per group of twenty channels at 2.4 Kbps each**

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

E7.5.16 FlexServ Service (a.k.a. BellSouth SPA Customer Reconfiguration)**A. Basic FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration)****1. DS0 Channel Connections**

	Nonrecurring Charge	Month To Month^{1,2}	24 to 48 Months^{1,2}	49 to 72 Months^{1,2}	73 to 96 Months^{1,2}	USOC
(a) Voice Grade Type, per DS0 channel	\$35.00	\$14.90	\$13.70	\$12.70	\$11.90	DSLVA
(b) Digital Type, per DS0 channel	35.00	7.15	6.60	6.44	5.72	DSLDA
2. DS1 Channel Connections						
(a) DS0 Switching, per DS1 channel	125.00	104.50	95.70	89.10	83.60	DSL1A
(b) DS1 Switching, per DS1 channel	125.00	60.50	55.00	51.70	48.40	DSL1B
(b) Surveillance – DS1 Level, per DS1 channel	125.00	60.50	55.00	51.70	48.40	DSL1S
3. DS3 Channel Connections						
(a) Surveillance - DS1 Level, per DS3 channel	125.00	375.00	345.00	320.00	300.00	DSL3S
(b) Surveillance - DS3 Level, per DS3 channel	125.00	150.00	138.00	128.00	120.00	DSL3T

B. FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) Options**1. Multipoint Bridging**

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

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

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

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)

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Cancels Eighth Revised Page 52.0.3

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E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE**E7.5 Rates And Charges (Cont'd)****E7.5.16 FlexServ Service (a.k.a. BellSouth SPA Customer Reconfiguration) (Cont'd)⁽⁴⁾**

(C)

B. FlexServ Service (a.k.a. BellSouth SPA Customer Reconfiguration) Options (Cont'd)**2. Subrate Reconfiguration Capability**

		Nonrecurring Charge					USOC
(a)	Per DS0 equipped (DS0B)	\$45.00					DSLSB
		Nonrecurring	Month	24 to	49 to	73 to	
		Charge	To	48	72	96	
			Month	Months ^{1,3}	Months ^{1,3}	Months ^{1,3}	USOC
(b)	9.6 Kbps, per DS0A requires 5	\$5.00	\$8.75	\$8.15	\$7.60	\$7.20	DSLS9
(c)	4.8 Kbps, per DS0A requires 10	5.00	7.40	6.80	6.30	5.95	DSLS4
(d)	2.4 Kbps, per DS0A requires 20	5.00	7.00	6.45	5.95	5.60	DSLS2

3. Additional Concurrent User Access

(a)	Per Additional User Access	125.00	68.00	60.00	57.00	54.00	FSSFU
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4. Additional User Identification Codes

		Nonrecurring Charge	USOC
(a)	Per Additional Code	\$3.00	FSSFA

5. Additional Customer Training

(a)	Per eight hour day of training after initial installation				450.00		FSSFT
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6. Reconfiguration by Company Personnel

(a)	Request for Company to perform reconfiguration activity				25.00		FSSRA
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7. (DELETED)**E7.5.17 SMARTPath Service (a.k.a. BellSouth SPA Shared Ring)****A. SMARTPath service (a.k.a. BellSouth SPA Shared Ring) Area Connection****1. 1.544 Mbps**

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

B. SMARTPath service (a.k.a. BellSouth SPA Shared Ring) Area Junction**1. 1.544 Mbps**

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

C. Virtual Collocation Cross-Connect to SMARTPath service (a.k.a. BellSouth SPA Shared Ring)**1. Area Connection and Area Junction**

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

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

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

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

Note 4: See Section 2.1.4 for Service availability.

(N)