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

E7.1 General

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

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

E7.1.1 Channel Types

- A. There are eight types of channels used to provide Special Access (a.k.a. BellSouth SPA) services. Each type has its own characteristics. All are subdivided by one or more of the following:
- Transmission specifications
 - Bandwidth
 - Speed (i.e., bit rate)
 - Spectrum
- B. Customers can order a basic channel and select from a list of available transmission parameters and channel interfaces, those that they desire to meet specific communications requirements.
- C. For purposes of ordering channels, each has been identified as a type of Special Access (a.k.a. BellSouth SPA) service. However, such identification is not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use. For example, if a customer's equipment is capable of transmitting voice over a channel that is identified as Metallic (a.k.a. BellSouth SPA Metallic) service in this Tariff, there is no restriction against doing so.
- D. Following is a brief description of each type of channel:
1. Telegraph (a.k.a. BellSouth SPA Telegraph) Grade - a channel for the transmission of binary signals at rates of 0 to 75 baud or 0 to 150 baud.
 2. Voice Grade (a.k.a. BellSouth SPA DS0 VG) - a channel for the transmission of analog signals within an approximate bandwidth of 300-3000 Hz.
 3. WATS Access Line (a.k.a. BellSouth SPA WATS Line) (WAL) - a channel from a customer designated premises to a WATS serving office for 800, WATS or similar service.
 4. Wired Music³ - a channel for the transmission of audio signals. The nominal frequency bandwidths are from 200 to 3500 Hz, from 100 to 5000 Hz or from 50 to 8000 Hz. (N)
 5. **(DELETED)**
 6. Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data) - a channel for the digital transmission of synchronous serial data at rates of 2.4, 4.8, 9.6, 19.2, 56.0 or 64.0 Kbps.
 7. High Capacity (a.k.a. BellSouth SPA High Capacity) - a channel for the transmission of isochronous serial digital data at rates of 1.544, 3.152, 6.312, or 44.736 Mbps.
 8. Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) - a digital data channel derived from a two-wire local exchange facility that transmits voice and data signals simultaneously.

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

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

Note 3: Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change 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 month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021.

(N)

(N)

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

E7.1 General (Cont'd)

E7.1.4 Alternate Use

- A. Alternate Use occurs when a service is arranged by the Company so that the customer can select different types of transmission at different times. A customer may use a service in any privately beneficial manner. However, where technical or engineering changes are required to effectuate an alternative use, the Company will make such special arrangements available on an individual case basis.
- B. The arrangement required to transfer the service from one operation to the other (i.e., the transfer relay and control leads) will be rated and provided on an individual case basis and filed in Section E12., Specialized Service or Arrangements. The customer will pay the stated tariff rates for the Access Service rate elements for the service ordered (i.e., Local Channels, Interoffice Channels as applicable, and Optional Features and Functions, if any.)

E7.1.5 Special Facilities Routing

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

E7.1.6 Design Layout Report

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

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

E7.1.7 Acceptance Testing

- A. At no additional charge, the Company will, at the customer's request, cooperatively test, at the time of installation, the following parameters:
 1. For Voice Grade (a.k.a. BellSouth SPA DS0 VG) services, acceptance tests will include tests for loss, 3-tone slope, DC continuity, operational signaling, C-notched noise and C-message noise when these parameters are applicable and specified in the order for service. Additionally, for Voice Grade (a.k.a. BellSouth SPA DS0 VG) services, a balance (improved loss) test will be made if the customer has ordered the improved loss optional feature.
 2. For other analog services (i.e., Telegraph (a.k.a. BellSouth SPA Telegraph), WATS Access Line (a.k.a. BellSouth SPA WATS Line) and Wired Music⁽¹⁾) and for digital services (i.e., Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data), WATS Access Line (a.k.a. BellSouth SPA WATS Line) and High Capacity (a.k.a. BellSouth SPA High Capacity)), acceptance tests will include tests for the parameters applicable to the service as specified in the order for service.
- B. In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade (a.k.a. BellSouth SPA DS0 VG) service to test other parameters, as described in E13.3.5.B. following, is available at the customer's request. All test results will be made available to the customer upon request.

(N)

E7.1.8 Ordering Options and Conditions

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

Note 1: Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change 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 month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021.

(N)

(N)

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

E7.1 General (Cont'd)

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

- C. For the purposes of ordering, there are nine categories of Special Access (a.k.a. BellSouth SPA) service. These are:
 1. Telegraph Grade (a.k.a. BellSouth SPA Telegraph) (TG)
 2. Voice Grade (a.k.a. BellSouth SPA DSO VG) (VG)
 3. Wired Music⁽¹⁾ (AP)
 4. Commercial Quality Video (a.k.a. BellSouth SPA Commercial Quality Video) (TV) (N)
 5. Digital Data Access (a.k.a. BellSouth SPA DSO Digital Data) service (DDAS)
 6. High Capacity (a.k.a. BellSouth SPA High Capacity) (HC)
 7. WATS Access Line (a.k.a. BellSouth SPA WATS Line) (WAL)
 8. Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) service
 9. Self-Healing Rings (SMARTRing service [a.k.a. BellSouth Dedicated Ring])
- D. Each service consists of a basic channel to which a predefined technical specifications package, channel interface(s) and, when desired, optional features and functions are added to construct the service desired by the customer. Each of the components of the service is described in this section. Terms and conditions for Central Office interconnection of collocator-provided transmission equipment are set forth in BellSouth Telecommunications, Inc., Tariff F.C.C. No. 1, Section 20. **Terms, conditions, and rates for Physical Access Collocation Cross-Connects and Virtual Access Collocation Cross-Connects are set forth in Section E13. of this Tariff for those services that are permitted to connect directly to a carrier's collocation space.**
- E. The channel description specifies the characteristics of the basic channel and indicates whether the channel is provided between customer designated premises or between a customer designated premises and a Company hub where bridging and/or channelization functions are performed.
- F. Information pertaining to the technical specifications packages indicates the transmission parameters that are available with each package. This information is displayed in a matrix with the transmission parameters listed down the left side and the packages listed across the top. Each package is identified by a code, e.g., VG1. The first two letters of the code indicate the category of Special Access (a.k.a. BellSouth SPA) service to which the parameters are applicable. These two-letter codes are shown above in parentheses following the category of Special Access (a.k.a. BellSouth SPA) service. The number "1" following the two-letter code indicates the technical specifications package for a voice grade service. An alphanumeric designation following the two letter code indicates the specific predefined package. When appropriate, the Technical Reference which contains detailed specifications for the parameters is shown following the matrix.
- G. Channel interfaces at each point of termination on a two-point service may be symmetrical or asymmetrical. On a multipoint service they may also be symmetrical or asymmetrical. However, communications can only be provided between points of termination with compatible channel interfaces. Only certain channel interfaces are compatible. These are set forth in a combination format.

Only certain channel interface combinations are available with the predefined technical specifications packages. These are delineated in the Technical References set forth at the end of this E7.2.
- H. The optional features and functions available with each type of Special Access (a.k.a. BellSouth SPA) service are described in this section. The optional features and functions information also indicates with which technical specifications packages they are available. Such information is displayed in a matrix with the optional feature or function listed down the left side and the technical specifications package listed across the top.
- I. The Company will maintain existing transmission specifications on services installed prior to the effective date of this Tariff, except that the existing services with performance specifications exceeding the standard listed in this provision will be maintained at the performance levels specified in this Tariff.

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

Telegraph Grade (a.k.a. BellSouth SPA Telegraph)	TR-NPL-000336	
Voice Grade (a.k.a. BellSouth SPA DSO VG)	TR-NPL-000335	
	PUB 41004, Table 4	
Wired Music ⁽¹⁾	TR-NPL-000337	(N)
Commercial Quality Video (a.k.a. BellSouth SPA Commercial Quality Video)	BellSouth TR-73557	(N)

Note 1: Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change 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 month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021. (N)

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

E7.2 Service Descriptions (Cont'd)

E7.2.3 Voice Grade⁽¹⁾ (a.k.a. BellSouth SPA DS0 VG) Service (Cont'd)

(N)

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

4. Optional Features and Functions (Cont'd)

d. One-way or Two-way Capability

E7.2.4 Wired Music⁽¹⁾ Service

(N)

A. Basic Channel Description

A Wired Music⁽¹⁾ channel is a channel specified in bandwidth for the transmission of a complex signal voltage. The actual bandwidth is a function of the channel interface selected by the customer. Only one-way transmission is provided. Wired Music⁽¹⁾ channels are provided between customer designated premises and a Company Hub.

(N)

(N)

B. Technical Specifications Packages

Parameter	Package AP-			
	1	2	3	4
Actual Measured Loss	X	X	X	X
Amplitude Tracking				
Crosstalk	X	X	X	X
Distortion Tracking				
Gain/Frequency				
Distortion	X	X	X	X
Group Delay				
Noise	X	X	X	X
Phase Tracking				
Short Term Gain				
Stability				
Short-Term Loss				
Total Distortion	X	X	X	X

The technical specifications are delineated in Technical Reference TR-NPL-000337.

C. Channel Interfaces

The following channel interfaces (CIs) define the bandwidths that are available for a Wired Music⁽¹⁾ channel:

(N)

CI	Bandwidth
PG-3	Nominal frequency from 200 to 3500 Hz
PG-5	Nominal frequency from 100 to 5000 Hz
PG-8	Nominal frequency from 50 to 8000 Hz

Compatible channel interfaces are set forth in Technical Reference TR-NPL-000337.

Note 1: Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change 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 month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021.

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

E7.2 Service Descriptions (Cont'd)

E7.2.4 Wired Music² Service (Cont'd)

(N)

D. Optional Features and Functions

1. Central Office Bridging Capability
Distribution Amplifier
2. Gain Conditioning
Control of 1004 Hz AML at initiation of service to 0db + or - 0.5 dB.

Available with Technical Specifications Package AP-

	1	2	3	4
Central Office Bridging Capability				
Gain Conditioning	X	X	X	X

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

A. Basic Channel Description

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

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

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

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

B. Technical Specifications Packages

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

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

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

Note 2: Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change 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 month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021.

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

E7.4 Rate Regulations (Cont'd)

E7.4.1 Types of Rates and Charges (Cont'd)

A. (Cont'd)

2. Nonrecurring Charges

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

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

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

- Voice Grade (a.k.a. BellSouth SPA DS0 VG),
- Wired Music⁽²⁾,
- Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data) service⁽¹⁾,
- High Capacity (a.k.a. BellSouth SPA High Capacity) service
- SMARTRing service (a.k.a. BellSouth Dedicated Ring)

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

- FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration)
- Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) service
- BellSouth Metro Ethernet 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 System and are in addition to the nonrecurring charges for the DS1 or DS0 Basic Channelization System. 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 System, 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 System 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: The Data Over Voice Channel optional feature is not eligible for such credit.

Note 2: Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change 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 month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021.

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

E7.4 Rate Regulations (Cont'd)

E7.4.6 Mileage Measurement

- A. The mileage to be used to determine the monthly rate for the Interoffice Channel is calculated on the airline distance between the locations involved i.e., the serving wire centers associated with two customer designated premises, a serving wire center associated with a customer designated premises and a Company hub, a serving wire center associated with a customer designated premises and a WATS serving office, or two Company hubs. The serving wire center associated with a customer designated premises is the serving wire center from which the customer designated premises would normally obtain dial tone.
- B. Mileage is shown in E7.5.2. following in terms of mileage bands. To determine the rate to be billed, first compute the mileage using the V and H coordinates method, as set forth in the National Exchange Carrier Association Tariff F.C.C. No. 4, then find the band into which the computed mileage falls and apply the rates shown for that band. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage band and applying the rates.
- C. When Hubs are involved, mileage rates are computed and rates applied separately for each section of the Interoffice Channel, i.e., customer designated premises serving wire center to Hub, Hub to Hub and/or Hub to customer designated premises serving wire center. However, when any service is routed through a hub for purposes other than customer specified bridging or channelization (e.g., the Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer designated premises. For the purpose of applying multipoint charges, the bridging or hubbing locations are determined by that combination of airline distances connecting the serving wire center which will produce the lowest interoffice mileage charges.
- D. SMARTRing® service (a.k.a. BellSouth Dedicated Ring) Local Channel, Alternate Central Office Channel and Internodal Channel rates are also distance sensitive. They are measured per quarter airline mile or fraction thereof from the customer's designated premises to the Serving Wire Center, Alternate Central Office, or other Customer Nodes. V&H coordinates are derived for each customer location through the use of longitude and latitude measurements. Using the V&H coordinate method as set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF FCC. No. 4, compute the mileage, convert to quarter miles, and multiply the appropriate per quarter mile rate by the distance involved. Any portion of a quarter mile will always round up to the next quarter mile before determining the mileage and applying the rate.
- E. The SMARTRing® service (a.k.a. BellSouth Dedicated Ring) Interoffice Channel mileage is calculated per quarter airline mile between two directly connected central offices on the ring. Interoffice Channel mileage is computed by using the V&H coordinates method as set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF FCC. No. 4. To determine the rate to be billed, multiply the appropriate per quarter mile rate by the distance involved. Fractions of a quarter mile always round up to the next quarter mile before determining the mileage and applying the rate.

E7.4.7 Facility Hubs

A customer has the option of ordering Voice Grade (a.k.a. BellSouth SPA DS0 VG) facilities or digital high capacity facilities (i.e., DS1, DS1C, DS2, or DS3) to a facility Hub for channelizing to individual services requiring lower capacity facilities (e.g., Telegraph (a.k.a. BellSouth SPA Telegraph), Voice (a.k.a. BellSouth SPA DS0 VG), Wired Music⁽¹⁾, etc.).

(N)

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

Some of the types of channelization available include the following:

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

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

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

E7.4 Rate Regulations (Cont'd)

E7.4.7 Facility Hubs (Cont'd)

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

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

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

Although not requiring channelization, the Company will designate certain hubs for Wired Music⁽¹⁾ services. A customer can order service(s) between customer designated premises and a hub and will be billed accordingly at the rates set forth in E7.5.4 and E7.5.5 following for the service, as appropriate. The customer will be charged for each such connection made at the rates for Other Labor as set forth in E13.2.5 following. The rates that apply for the service between each customer designated premises and the hub are a Local Channel and Interoffice Channel, if applicable. In addition, for Wired Music⁽¹⁾ services, rates for optional features and functions may be applicable. (N)

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

Shared use occurs when Special Access (a.k.a. BellSouth SPA) service and BellSouth SWA are provided over the same High Capacity (a.k.a. BellSouth SPA High Capacity) facility through a common interface. When the IC orders Special Access (a.k.a. BellSouth SPA) service, the facility will be ordered and rated as Special Access (a.k.a. BellSouth SPA) service (i.e., Local Channel or Virtual Collocation Cross-Connect, Interoffice Channel, as appropriate, and Basic Channelization System, and Central Office Channel Interface(s), if applicable) until such time as the IC chooses to use a portion of the available capacity for providing BellSouth SWA. As each individual channel is activated for BellSouth SWA, the Special Access (a.k.a. BellSouth SPA) Local Channel rates, Interoffice Channel rates, and Basic Channelization System rates, if applicable, will be reduced accordingly (e.g., 1/24th for a DS1 service, etc.). The IC must place an order for each individual BellSouth SWA channel utilizing the Shared Use Facilities and specify the channel assignment for each such service. BellSouth SWA rates and charges as set forth in E6.8. preceding will apply for each channel of the shared use facility that is used to provide BellSouth SWA. Where Special Access (a.k.a. BellSouth SPA) service is provided utilizing a channel of the shared use facility to the hub, High Capacity (a.k.a. BellSouth SPA High Capacity) rates and charges will apply for the facility to the hub as set forth preceding and individual service rates and charges will apply from the hub to the IC designated premises. The rates and charges that will apply to the portion from the hub to the IC designated premises will be dependent on the specific type of Special Access (a.k.a. BellSouth SPA) service that is provided (e.g., Voice Grade (a.k.a. BellSouth SPA DS0 VG), Telegraph (a.k.a. BellSouth SPA Telegraph), etc.). The applicable rates and charges will include a Local Channel and Interoffice Channel, and appropriate channelization elements, if applicable.

Virtual Collocation Cross-Connects provide a means for customers to interconnect their BellSouth Shared Use and Digital High Capacity (a.k.a. BellSouth SPA High Capacity) services to Central Office Collocation arrangements *within the same Central Office*. *Terms, conditions, and rates for Physical Access Collocation Cross-Connects and Virtual Access Collocation Cross-Connects are set forth in Section E13. of this Tariff.*

Note 1: Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change 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 month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021. (N)

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

E7.5 Rates And Charges (Cont'd)

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

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

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

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

3. Optional Features

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

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

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

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

(N)

E7.5.4 Wired Music⁽¹⁾ Service

A. Local Channel

- 1. Per Point of Termination

		Monthly Rate	Nonrecurring Charge		USOC
			First	Additional	
(a)	200 to 3500 Hz	\$42.00	\$624.00	\$270.00	T6ECS
(b)	100 to 5000 Hz	54.00	726.00	354.00	T6ECS
(c)	50 to 8000 Hz	60.00	744.00	372.00	T6ECS

⁽¹⁾ Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change 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 month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021.

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

E7.5 Rates And Charges (Cont'd)

E7.5.4 Wired Music⁽¹⁾ Service (Cont'd)

(N)

B. Interoffice Channel

1. 200 to 3500 Hz

Mileage Bands

	Fixed Monthly Charge		Nonrecurring Charge	USOC
	Monthly Charge	Per Mile		
(a) 0 mile	\$-	\$-	\$-	1L5XX
(b) 1 thru 8 miles	60.00	2.46	99.60	1L5XX
(c) 9 thru 25 miles	60.00	2.40	99.60	1L5XX
(d) Over 25 miles	60.00	2.34	99.60	1L5XX

2. 100 to 5000 Hz

Mileage Bands

(a) 0 mile	-	-	-	1L5XX
(b) 1 thru 8 miles	60.00	4.92	90.00	1L5XX
(c) 9 thru 25 miles	60.00	4.80	90.00	1L5XX
(d) Over 25 miles	60.00	4.68	90.00	1L5XX

3. 50 to 8000 Hz

Mileage Bands

(a) 0 mile	-	-	-	1L5XX
(b) 1 thru 8 miles	84.00	7.38	90.00	1L5XX
(c) 9 thru 25 miles	84.00	7.20	90.00	1L5XX
(d) Over 25 miles	84.00	7.02	90.00	1L5XX

C. Optional Features and Functions

1. Bridging, Distribution Amplifier

	Monthly Rate	Nonrecurring Charge	USOC
(a) Per port	\$2.40	\$45.60	BCNPT

2. Gain Conditioning

	Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent	USOC
(a) Per service	\$-	\$25.20	\$64.80	XGC

Note 1: Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change 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 month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021.

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

E7.5 Rates And Charges (Cont'd)

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

C. Optional Features and Functions (Cont'd)

2. Channel Interfaces (Per Interface)

a. Sub-DS3 Interfaces

DS1 Level Central Office Channel Interface

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

c. Sub-DS1 Interfaces

(1) VG/DS0 Level Central Office Channel Interface

	Recurring Rate		Nonrecurring		USOC
	SEE CURRENT PRICE LIST Minimum	SEE CURRENT PRICE LIST Maximum	First	Additional	
(a) <i>BellSouth SWA</i>	\$0.00	\$0.00	\$0.00	\$0.00	1D1SW
(b) Telegraph (<i>a.k.a. BellSouth SPA Telegraph</i>)	4.00	6.00	7.00	6.00	1D1TE
(c) Voice Grade (<i>a.k.a. BellSouth SPA DSO VG</i>)	5.00	8.00	7.00	6.00	1D1VG
(d) WATS Access Line (<i>a.k.a. BellSouth SPA WATS Line</i>)	5.00	8.00	7.00	6.00	1D1WT
(e) Wired Music ⁽²⁾ - monthly	30.00	45.00	7.00	6.00	1D1PA (N)
(f) Wired Music ⁽²⁾ - daily	3.00	5.00	7.00	6.00	1D1PA (N)
(g) DDAS (<i>a.k.a. BellSouth SPA DSO Digital Data</i>)	11.00	16.00	7.00	6.00	1D1DD

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

Note 2: Effective December 1, 2020, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change 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 month-to-month rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 1, 2021.

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