

EFFECTIVE: FEBRUARY 9, 2006

ACCESS SERVICE
 CHECK SHEET

The Title Page and Pages 1 to 29-48 inclusive of this tariff are effective as of the date shown.

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* New or Revised Page

BELLSOUTH TELECOMMUNICATIONS, INC.
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 ISSUED: JANUARY 25, 2006

TARIFF F.C.C. NO. 1
 17TH REVISED PAGE 4.1
 CANCELS 16TH REVISED PAGE 4.1

EFFECTIVE: FEBRUARY 9, 2006

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ISSUED: JANUARY 25, 2006

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EFFECTIVE: FEBRUARY 9, 2006

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Video (a.k.a. BellSouth SPA Video) Services

The Telephone Company provides the following video services.

7.2.5.1 Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video) Service

(A) Basic Channel Description

Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video) service provides one-way transmission of National Television Systems Committee (NTSC) or Serial Digital Interface (SDI) video signals between customer designated premises or between a customer designated premises and a Telephone Company central office via fiber optic facilities. A NTSC video channel provides standard 525 line/60 field, System M video signal with four (4) associated 20 kHz audiosignals. The bandwidth for NTSC channels is either 30 Hz to 4.5 MHz or 30 Hz to 6.6 MHz. The associated audio signals may be either diplexed or provided as separate channels. The provision and the bandwidth of the associated audio signals is a function of the channel interface selected by the customer. (C)

Standard Digital Interface (SDI) video channels provide uncompressed digital video signals transported at 270 Mbps and is designed to meet ITU-R BT.601 standards and the Society of Motion Picture and Television Engineers (SMPTE) Standard 259M. The bandwidth for SDI channels is 270 Mbps. The audio signals are embedded in the 270 Mbps interface by the customer, therefore, separate audio channels are not required. (T)

Different rates and charges apply for the two types of video signals. NTSC and SDI channels are provided under a month to month rate option.

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7 - Special Access (BellSouth SPA) Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Video (a.k.a. BellSouth SPA Video) Services (Cont'd)

7.2.5.3 Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) Service

(A) Basic Description

An Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) service channel is a channel that connects customer-designated video source(s) and video distribution location(s) through a customer-configurable video switch located at a Telephone Company Central Office (CO). Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) service channels are single-direction and provided via fiber-optic facilities. This channel adheres to either a standard 525-line/60-field National Television Committee (NTSC) System-M video signal and includes up to four (4) 15 kHz audio signals or is a Serial Digital Interface (SDI) uncompressed digital video signal transported at a speed of 270Mbps. (C)

- (1) Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) service Local Channels (LC) (one way) provide connectivity of Single Channel or Multiple Channel Systems from each customer-designated end-location to its normal Serving Wire Center (SWC). Each Multiple Channel System also requires video channel activations. A customer may activate from one (1) to eight (8) video channels per Multiple Channel System. (C)
- (2) Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) service Interoffice Channels (IOC) (one-way) provide connectivity of Single Channel or Multiple Channel Systems from the customer-designated location's normal SWC to the central office video switch.
- (3) Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) service arrangements are available in two configurations that are available as independent, or in combination of, Single Channel Video Systems and/or Multiple Channel Video Systems. Each arrangement requires a minimum 36-month commitment period and a minimum of 8 video channels. Customers meeting the minimum 8 video channel/36 month commitment period requirement may request additional Single Channel Systems be associated with the same arrangement on a month-to-month basis. Both Single Channel Systems and Multiple Channel Systems will have an interface at the customer-designated end-location(s) with analog video and audio parameters as specified in TR-73593 or digital video signals specified in TR-73621. (C) Customer designated end-locations are video source locations (transmit) or video distribution locations (receive).

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7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Video (a.k.a. BellSouth SPA Video) Services (Cont'd)

7.2.5.3 Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) Service (Cont'd)

(B) Single Channel and Multiple Channel Systems

Single Channel Systems and Multiple Channel Systems connect the video switch to the customer-designated source/distribution location(s) via Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) service LCs and associated IOCs.

- (1) The Single Channel Video System is available for customers who require a single video signal in one direction between video source/distribution locations and the central office video switch.
- (2) The Multiple Channel Video System is available for customers who require more than one video signal in the same direction and between the same video source/distribution locations and the central office video switch. A Multiple Channel System Interoffice Interface is also available for interoffice transport of multiple video signals, in the same direction. Hubbing of individual Single Channel Systems onto or off of the same Multiple Channel Interoffice System at a central office is permitted. The Multiple Channel Video System is available with a maximum of eight (8) video channels. All channels within a Multiple Channel System must transmit or receive signals in the same direction. (C)
- (3) Audio channels are provided with each analog video channel. At a minimum, two 15 kHz audio channels will be provided per video channel. However, the customer may order two additional 15 kHz audio channels per video channel. When additional 15 kHz audio channels are requested, in addition to the two provided with each video channel, the customer may specify either a month-to-month term or a 36 month commitment. Additionally, when requested by the customer, 20kHz audio channels may be provided in lieu of the 15 kHz audio channels. When the customer specifies 20 kHz audio channels, four audio channels will be provided for each video channel and each audio channel will have a 36-month commitment period. (C)

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ISSUED: JANUARY 25, 2006

TARIFF F.C.C. NO. 1
5TH REVISED PAGE 7-38.9
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EFFECTIVE: FEBRUARY 9, 2006

ACCESS SERVICE

7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Video (a.k.a. BellSouth SPA Video) Services (Cont'd)

7.2.5.6 BellSouth SPA Modular Video Transport Service (Cont'd)

(A) Basic Channel Description

BellSouth SPA Modular Video Transport service is a fiber optic transport video service that interconnects two or more customer designated end point locations to provide one way video service with associated audio. Multiple endpoint locations may be interconnected to form one way video services, e.g. rings or multipoint hubs. Two-way service may be obtained by ordering two one-way (opposite directions) services. This service is available in two configurations, Multiple Channel Video Systems or Single Channel Video systems. Different rates and charges apply for the two configurations. Multiple Channel systems and Single Channel Systems are comprised of Local Channels, Interoffice Channels, and Optional Features.

The technology that supports Multiple Channel Systems has a 16 channel capacity associated with each transport system. The specific number of channels supported are based on the design and video interface selected by the customer. The technology that supports Single Channel Systems has a capacity of one channel.

This service may transport uncompressed National Television Systems Committee (NTSC) video signals, Component 270 Mbps video signals (Multiple Channel Systems only), Advanced Television Stream (ATV), and/or Intermediate Frequency (IF) video signals between customer premises.

The NTSC video interface supports transmission capability for a standard, System M - National Television Systems Committee, composite, 525 line/60 field, uncompressed, video signal and has four associated 20 kHz audio signals. NTSC video interfaces are provided as either 10 bit, NTSC10, or 8 bit, NTSC8, signals.

Component 270 Video is a 270 Mbps serial digital interface that contains separate luminous and color signals plus associated audio. It is based on international standards and provides a better quality of service than NTSC composite video.

(C)

Advanced Television Stream (ATV) video is a standard, dual port interface that can support up to 90 Mbps of MPEG2 video.

Intermediate Frequency (IF) video provides for transmitting an analog video signal at an Intermediate Frequency between 40 and 46 mHz that can be modulated for a full 6 mHz of analog bandwidth. IF video can also be utilized to transport many Quadrature Amplitude Modulated (QAM) signals

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7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Video (a.k.a. BellSouth SPA Video) Services (Cont'd)

7.2.5.6 BellSouth SPA Modular Video Transport Service (Cont'd)

(A) Basic Channel Description (Cont'd)

- (5) Component 270 Transmit - This video interface formats the customers 270 Mbps, component digital signal for transmission via BellSouth SPA Modular Video Transport service. In a multi-channel configuration, each Component 270 transmit video interface requires two time slots per plug in. (C)
- (6) Component 270 Receive - This video interface receives a transmission from BellSouth SPA Modular Video Transport service and reformats it to a 270 Mbps, component, digital signal. In a multi-channel configuration, each Component 270 receive video interface requires two time slots per plug in. (C)
- (7) ATV Transmit - This video interface formats the customers dual port, 90 Mbps, ATV digital signal for transmission via BellSouth SPA Modular Video Transport service. Each ATV transmit video interface requires one time slot per plug in.
- (8) ATV Receive - This video interface receives a transmission from BellSouth SPA Modular Video Transport service and reformats it to a dual port, 90 Mbps, ATV signal. Each ATV receive video interface requires one time slot per plug-in.
- (9) IF Transmit - This video interface converts an analog video signal between 40 and 46 mHz to an uncompressed digital signal for transmission via BellSouth SPA Modular Video Transport service. Each IF transmit interface requires one time slot per plug-in.
- (10) IF Receive - This video interface receives a transmission from BellSouth SPA Modular Video Transport service and converts the uncompressed digital signal to an analog IF video signal between 40 and 46 mHz. Each IF receive interface requires one time slot per plug-in.

BellSouth SPA Modular Video Transport service requires at least one Local Channel, Multiple Channel System-Transmit and one Local Channel, Multiple Channel System-Receive or one Local Channel, Single Channel System-Transmit and one Local Channel, Single Channel System-Receive. Single Channel Tributaries may only be ordered in conjunction with Local Channel, Multiple Channel Systems.

Interoffice channels include mileage and regenerators.

Optional Features include Network Status Monitoring, Audio/Video Jack Fields, and Fiber Optic Splitters. Network Status Monitoring provides the ability for the customer to remotely monitor and electronically rearrange transport features through the use of a customer's personal computer. This feature requires a minimum of a two way service or a one way ring.

(M)

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ISSUED: JANUARY 25, 2006

TARIFF F.C.C. NO. 1
1ST REVISED PAGE 7-38.12
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EFFECTIVE: FEBRUARY 9, 2006

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7 - Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Video (a.k.a. BellSouth SPA Video) Services (Cont'd)

7.2.5.6 BellSouth SPA Modular Video Transport Service (Cont'd)

Audio/Video Jack Fields are easy access points that allow a customer to locally monitor video and audio signals at the customer endpoint location. Fiber Optic Splitters provide the capability of broadcasting from one transmit system to one to four receive systems in a point to multipoint configuration. This feature is not available for ring configurations. Two or more fiber optic splitters may be utilized when more than four receive end points are required.

Two-way transport and/or counter rotating rings for electrical protection, may be obtained by combining two transport services in opposite directions.

(B) Technical Specifications Package

The compatibility requirements, technical specifications, and generic requirements for BellSouth SPA Modular Video Transport Service terminated at the customer's designated locations are referenced in BellSouth Technical Reference 73606.

(C) Channel Interfaces

Compatible channel interfaces are set forth in BellSouth Technical Reference 73606.

Certain Material now appearing on this page previously appeared on 4TH Revised Page 7-38.11

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