**TARIFF DISTRIBUTION**

FILE CODE: 680.3400

FILE PACKAGE NO.: TN2001-154

DATE: December 10, 2001

STATE: TENNESSEE

EFFECTIVE DATE: 12/31/2001

TYPE OF DISTRIBUTION: Approved

**PURPOSE:** Delete CQV in State Access.

<table>
<thead>
<tr>
<th>TARIFF SECTION</th>
<th>PAGE NUMBER</th>
<th>PAGE REVISION</th>
</tr>
</thead>
<tbody>
<tr>
<td>B002</td>
<td>2</td>
<td>06</td>
</tr>
<tr>
<td>B003</td>
<td>9</td>
<td>05</td>
</tr>
<tr>
<td>B003</td>
<td>9.1</td>
<td>02</td>
</tr>
<tr>
<td>B003</td>
<td>9.2</td>
<td>03</td>
</tr>
<tr>
<td>B003</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>B003</td>
<td>13</td>
<td>06</td>
</tr>
<tr>
<td>B003</td>
<td>13.1</td>
<td>05</td>
</tr>
<tr>
<td>B003</td>
<td>14</td>
<td>06</td>
</tr>
<tr>
<td>B003 Contents</td>
<td>1</td>
<td>04</td>
</tr>
<tr>
<td>E002</td>
<td>18.6</td>
<td>06</td>
</tr>
<tr>
<td>E007</td>
<td>1</td>
<td>11</td>
</tr>
<tr>
<td>E007</td>
<td>7</td>
<td>09</td>
</tr>
<tr>
<td>E007</td>
<td>8</td>
<td>09</td>
</tr>
<tr>
<td>E007</td>
<td>22.1.2</td>
<td>01</td>
</tr>
<tr>
<td>E007</td>
<td>22.2</td>
<td>03</td>
</tr>
<tr>
<td>E007</td>
<td>22.3</td>
<td>05</td>
</tr>
<tr>
<td>E007</td>
<td>26</td>
<td>05</td>
</tr>
<tr>
<td>E007</td>
<td>29</td>
<td>12</td>
</tr>
<tr>
<td>E007</td>
<td>29.0.1</td>
<td>02</td>
</tr>
<tr>
<td>E007</td>
<td>33</td>
<td>10</td>
</tr>
<tr>
<td>E007</td>
<td>52</td>
<td>08</td>
</tr>
<tr>
<td>E007</td>
<td>52.0.1</td>
<td>04</td>
</tr>
<tr>
<td>E007 Contents</td>
<td>1</td>
<td>08</td>
</tr>
<tr>
<td>E007 Contents</td>
<td>2</td>
<td>13</td>
</tr>
</tbody>
</table>
B2. REGULATIONS

B2.1 Undertaking Of The Company (Cont’d)

B2.1.4 Provision Of Facilities

A. The Company or the Company and other carriers will provide all facilities necessary for private line service to the demarcation point at a customer premises, except that, the customer or authorized user may provide his own terminal equipment or communications systems for use with such service as specified in 1. through 5. following, or as otherwise specified hereinafter.

1. When a private line is used for voice communications for the purpose of remote operation of mobile radiotelephone systems, it is contemplated that the customer or authorized user shall provide all station apparatus for such use.

2. Where the customer or authorized user provides his own communications system, or terminal equipment the customer or user, except as provided in B2.6.3 following, shall provide all station apparatus and associated channels which are a part of the system and which are located on the same customer's premises as the system.

3. When a private line is used for teletypewriter transmission, the teletypewriter equipment may be provided by the customer or authorized user. On a given private line at a given premises all such equipment must be provided by the customer or authorized user. Such equipment must operate at a line signaling speed not to exceed that specified for the channel furnished.

4. When a private line is used for data transmission which requires terminal equipment (data sets), such data sets may be provided by the customer or authorized user except that, the Company shall furnish all data sets, located in the Company's central offices. Where the customer or authorized user elects to provide his own data set(s) on a given private line, it shall be the responsibility of the customer or authorized user to ensure the continuing compatibility of such data set(s) with the facilities furnished by the Company.

5. When a private line is used for transmission purposes other than voice and teletypewriter except as specified in 1., 2. and 3. preceding, it is contemplated that the customer or authorized user will provide the station equipment for such other purposes.

B. The Service Installation Guarantee, as set forth in B2.4.17 following, is applicable to specified services offered in this Tariff. The Service Installation Guarantee is applied on a per circuit basis for Private Line services.

The following list identifies some of the individual Private Line services which are eligible for credit of nonrecurring charges under “Service Installation Guarantee” found in B2.4.17 following:

(DELETED)
- MegaLink® Channel Service
- MegaLink® ISDN Service
- MegaLink® Service
- SynchroNet® Service
- Voice Grade Service (Series 2000)

Other services eligible for credit of nonrecurring charges under Service Installation Guarantee provisions are noted in their respective tariff sections.

The following service(s)/service element are not eligible for such credit:
- Custom Network Service
- FlexServ® Service

® Registered Service Mark of BellSouth Corporation
B3. CHANNELS

CONTENTS

B3.1 Provision Of Service
  B3.1.1 General 1
  B3.1.2 Application 1
  B3.1.3 Rate Categories 1
  B3.1.4 Service Configurations 2
  B3.1.5 Special Routing Of IntraLATA Channels 2

B3.2 Service Descriptions
  B3.2.1 Sub Voice Grade Services - Series 1000 Channels 3
  B3.2.2 Voice Grade Service - Series 2000 4
  B3.2.3 Wired Music Service - Series 6000 8
  B3.2.4 (DELETED) 9

B3.3 Rate Regulations
  B3.3.1 Types Of Rates And Charges 9.2
  B3.3.2 Moves 11
  B3.3.3 Mileage Measurements 11
B3. CHANNELS

B3.2 Service Descriptions (Cont'd)

B3.2.3 Wired Music Service - Series 6000 (Cont'd)

C. Audio Channels (Cont'd)

2. The various types of services furnished as audio channels are described as follows: (Cont'd)
   c. Type 6213 - A two-wire interface engineered for a 1000 Hz maximum loss of 12dB and equalized to + or - 1dB of
      the 1000 Hz loss from 50 Hz to 8000 Hz.

D. Wired Music Multipoint Distribution Channels

1. Wired music multipoint distribution private line channels are specially equipped channels provided for the closed circuit
   (non-broadcast) transmission of voice and music signals in one direction only for operation on a multipoint basis.
2. A wired music multipoint distribution service consists of one or more distribution amplifiers feeding multiple wired
   music local channels within a wire center area. Local channels and interoffice channels required to connect the music
   source to the wired music multipoint distribution system or to connect distribution amplifiers in separate wire centers are
   provided as two point audio channels.
   a. Distribution amplifiers provided by the Company are required to receive signals from a source provided by the
      customer and to transmit the appropriate signal level to the multiple wired music local channels which the amplifiers
      may feed. Distribution amplifiers are provided at the serving wire center.
   b. Wired music local channels are furnished within a wire center area between the premises of the patrons of the wired
      music service and the distribution amplifier located in the serving wire center.
3. The various types of services furnished as wired music channels are described as follows:
   a. Type 6215 - A two-wire interface with effective two-wire facilities engineered for a 1000 Hz maximum loss of 14dB
      without equalization.
   b. Type 6216 - A two-wire interface engineered for a 1000 Hz maximum loss of 14dB and equalized to + or - 4dB of
      the 1000 Hz loss from 100 to 5000 Hz.
   c. Type 6217 - A two-wire interface engineered for a 1000 Hz maximum loss of 14dB and equalized to + or - 4dB of
      the 1000 Hz loss from 50 Hz to 8000 Hz.

B3.2.4 (DELETED)
B3. CHANNELS

B3.2 Service Descriptions (Cont’d)

B3.2.4 (DELETED) (Cont’d)
**B3. CHANNELS**

**B3.3 Rate Regulations**

**B3.3.1 Types of Rates and Charges**

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

1. Monthly Rates
   a. Monthly rates are recurring charges that apply each month or fraction thereof that a service is provided. For billing purposes, each month is considered to have 30 days.
   b. (DELETED)
   c. (DELETED)
   d. Rates applicable to a month-to-month payment option are subject to Company initiated changes.
   e. (DELETED)
   f. (DELETED)
   g. (DELETED)

2. Nonrecurring Charges
   Nonrecurring Charges are one-time charges that apply for a specific work activity. The three types of nonrecurring charges that apply are installation of service, installation of features and functions and service rearrangements.
B3.3 Rate Regulations (Cont'd)

B3.3.1 Types Of Rates And Charges (Cont'd)

A. (Cont'd)

2. Nonrecurring Charges (Cont'd)

a. Installation of Service

Nonrecurring charges apply for each service terminated at the customer's premises. For the installation of local channels 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.

The nonrecurring charges for the Installation of Services are set forth in B3.4 following as Nonrecurring Charges for the Local Channel and Interoffice Channel rate elements.

Rates and charges for Network Interface Equipment are set forth in Section A14. of the General Subscriber Services Tariff.

b. Nonrecurring charges apply for the installation of features and functions available with the various services. For some features and functions there is a lower charge if installed coincident with the service and a higher charge if installed subsequent to the service.

c. Service Rearrangements

(1) Service rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements or a change in the physical location of the point of termination at a customer premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts. Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in B3.3.2.

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service.

Administrative changes will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Private Line Service to the same entity (i.e., customer remains responsible for all outstanding indebtedness for the service). Administrative changes are as follows:

- Change of customer name (i.e., the customer of record does not change but rather the customer of record changes name),
- Change of customer's premises address when the change of address is not a result of a physical relocation of equipment,
- Change in billing data (name, address or contact name or telephone number),
- Change of jurisdiction, e.g., intraLATA to intrastate, intrastate to interstate, etc. No Termination Liability Charges apply for services billed under the Channel Services Payment Plan (CSPP) if the customer subscribes to a payment arrangement offered in the appropriate tariff which is a minimum twenty-four month service period or equals/exceeds the remaining contract period, whichever is greater.
B3. CHANNELS

B3.4 Rates And Charges (Cont'd)

B3.4.1 Local Channels (Cont'd)

B. Voice Grade
   Per point of termination (Cont'd)
   2. Data

<table>
<thead>
<tr>
<th>Type</th>
<th>Monthly Rate</th>
<th>Nonrecurring Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>First</td>
<td>Additional</td>
</tr>
<tr>
<td>(a) Type 2463</td>
<td>$55.00</td>
<td>$350.00</td>
</tr>
<tr>
<td>(b) Type 2464</td>
<td>55.00</td>
<td>350.00</td>
</tr>
</tbody>
</table>

C. Wired Music
   1. Per point of termination

<table>
<thead>
<tr>
<th>Type</th>
<th>Monthly Rate</th>
<th>Nonrecurring Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>First</td>
<td>Additional</td>
</tr>
<tr>
<td>(a) Type 6211</td>
<td>$35.00</td>
<td>$440.00</td>
</tr>
<tr>
<td>(b) Type 6212</td>
<td>45.00</td>
<td>515.00</td>
</tr>
<tr>
<td>(c) Type 6213</td>
<td>50.00</td>
<td>530.00</td>
</tr>
<tr>
<td>(d) Type 6215</td>
<td>35.00</td>
<td>440.00</td>
</tr>
<tr>
<td>(e) Type 6216</td>
<td>45.00</td>
<td>515.00</td>
</tr>
<tr>
<td>(f) Type 6217</td>
<td>50.00</td>
<td>530.00</td>
</tr>
</tbody>
</table>

D. (DELETED) (D)
B3. CHANNELS

B3.4 Rates And Charges (Cont'd)

B3.4.1 Local Channels (Cont'd)

D. (DELETED) (Cont'd)

B3.4.2 Non-Wire Center Connected Channels

A. Served Direct

1. Not routed via the central office, limited to one airline mile or less

<table>
<thead>
<tr>
<th></th>
<th>Monthly Rate</th>
<th>Nonrecurring Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>First</td>
<td>Additional</td>
</tr>
<tr>
<td>(a) Series 1000</td>
<td>$10.00</td>
<td>$400.00</td>
</tr>
<tr>
<td>(b) Series 2000</td>
<td>12.50</td>
<td>400.00</td>
</tr>
<tr>
<td>(c) Series 6000</td>
<td>17.50</td>
<td>400.00</td>
</tr>
</tbody>
</table>

B3.4.3 Interoffice Channels

A. Fixed and Mileage Charges

1. Sub Voice Grade - Series 1000

<table>
<thead>
<tr>
<th></th>
<th>Fixed Monthly Charge</th>
<th>Monthly Per Mile Charge</th>
<th>Nonrecurring Per Channel Charge</th>
<th>USOC</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) 1 thru 8 Miles</td>
<td>$30.00</td>
<td>$2.05</td>
<td>$-</td>
<td>3LBAS</td>
</tr>
<tr>
<td>(b) 9 thru 25 Miles</td>
<td>30.00</td>
<td>2.00</td>
<td>-</td>
<td>3LBAS</td>
</tr>
<tr>
<td>(c) Over 25 Miles</td>
<td>30.00</td>
<td>1.95</td>
<td>-</td>
<td>3LBAS</td>
</tr>
</tbody>
</table>

2. Voice Grade Service - Series 2000

<table>
<thead>
<tr>
<th></th>
<th>Fixed Monthly Charge</th>
<th>Monthly Per Mile Charge</th>
<th>Nonrecurring Per Channel Charge</th>
<th>USOC</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) 1 thru 8 Miles</td>
<td>35.00</td>
<td>2.25</td>
<td>93.00</td>
<td>3LBBS</td>
</tr>
<tr>
<td>(b) 9 thru 25 Miles</td>
<td>35.00</td>
<td>2.25</td>
<td>93.00</td>
<td>3LBBS</td>
</tr>
</tbody>
</table>

Note 1: For method of determining mileage, see B3.3.3.A.

Note 2: Metallic interoffice channels are no longer available for new installations, moves or transfers. Metallic interoffice facilities are in continually decreasing supply due to modernization programs that replace existing metallic interoffice with non-metallic facilities such as fiber optics.
### B3.4 Rates And Charges (Cont'd)

#### B3.4.3 Interoffice Channels¹ (Cont'd)

<table>
<thead>
<tr>
<th></th>
<th>Fixed Monthly Charge</th>
<th>Monthly Charge Per Mile</th>
<th>Nonrecurring Charge Per Channel</th>
<th>USOC</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.</td>
<td>Wired Music - Series 6000 3.0 kHz Types 6211 and 6215</td>
<td>$35.00</td>
<td>$2.25</td>
<td>$93.00</td>
</tr>
<tr>
<td>(a)</td>
<td>1 thru 8 Miles</td>
<td>30.00</td>
<td>2.05</td>
<td>76.00</td>
</tr>
<tr>
<td>(b)</td>
<td>9 thru 25 Miles</td>
<td>30.00</td>
<td>2.00</td>
<td>76.00</td>
</tr>
<tr>
<td>(c)</td>
<td>Over 25 Miles</td>
<td>30.00</td>
<td>1.95</td>
<td>76.00</td>
</tr>
</tbody>
</table>

| 4. | Wired Music - Series 6000 5 kHz Types 6212 and 6216 | $50.00 | $4.10 | 67.00 | 3LBDS |
| (a) | 1 thru 8 Miles | 50.00 | 4.10 | 67.00 | 3LBDS |
| (b) | 9 thru 25 Miles | 50.00 | 4.00 | 67.00 | 3LBDS |
| (c) | Over 25 Miles | 50.00 | 3.90 | 67.00 | 3LBDS |

| 5. | Wired Music - Series 6000 8 kHz Types 6213 and 6217 | $70.00 | $6.15 | 67.00 | 3LBES |
| (a) | 1 thru 8 Miles | 70.00 | 6.15 | 67.00 | 3LBES |
| (b) | 9 thru 25 Miles | 70.00 | 6.00 | 67.00 | 3LBES |
| (c) | Over 25 Miles | 70.00 | 5.85 | 67.00 | 3LBES |

6. **(DELETED)**

**Note 1:** For method of determining mileage, see B3.3.3.A.
E2. GENERAL REGULATIONS

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

E2.4.10 Service Installation Guarantee

A. The Company assures that orders for services to which the Service Installation Guarantee applies will be installed and available for customer use no later than the Service Date as specified in E5.2.4.B. following. The Service Installation Guarantee is applicable only as specified in E6.7.1.C. and E7.4.1.A. following.

B. The failure of the Company to meet this commitment will result in the credit of an amount equal to the nonrecurring charges associated with the individual service having the missed Service Date being applied to the customer's bill. The credit will include only nonrecurring charges associated with the services specified in E6.7.1.A. and E7.4.1.A. following for which nonrecurring charges are applicable. The nonrecurring charges will be credited at the rate at which they were billed. The credit will not be provided if a credit of the same nonrecurring charge for the same service is provided under any other provisions of this Tariff.

C. (DELETED)

D. Service Installation Guarantees do not apply:

1. when failure to meet the Service Date occurs because of:
   a. any act or omission, which shall include an accurate and complete service order from this customer, any other customer or any third party, or of any other entity providing a portion of a service,
   b. labor difficulties, governmental orders, civil commotions, criminal actions against the Company, acts of God, war, or other circumstances beyond the Company's control,
   c. unavailability of the customer's facilities and/or equipment,

2. to service requiring Special Construction as set forth in Section E14. following,

3. to Specialized Service or Arrangements or Individual Case Basis filings,

4. for jointly provisioned services except as stipulated in 5. following,

5. to BellSouth SWA or Special Access (a.k.a. BellSouth SPA) installation, moves and arrangements of service with an agreed upon service date interval of four business days or less following the Application Date of the service order.

In addition, Service Installation Guarantees will not apply during a declared National Emergency. Priority installation of National Security Emergency Preparedness (NSEP) telecommunications services shall take precedence.

E2.5 Connections

E2.5.1 General

A. Equipment and Systems (i.e., terminal equipment, multiline terminating systems and communications systems) may be connected with Switched and Special Access (a.k.a. BellSouth SPA) service furnished by the Company where such connection is made in accordance with the provisions specified in Technical Reference Publication AS No. 1 and in E2.1 preceding.
E7. SPECIAL ACCESS (A.K.A. BELLSouth SPA) SERVICE

CONTENTS

E7.1 General
E7.1.1 Channel Types 1
E7.1.2 Rate Categories 2
E7.1.3 Service Configurations 3.1.1
E7.1.4 Alternate Use 6
E7.1.5 Special Facilities Routing 6
E7.1.6 Design Layout Report 6
E7.1.7 Acceptance Testing 6
E7.1.8 Ordering Options And Conditions 6

E7.2 Service Descriptions
E7.2.1 Metallic (a.k.a. BellSouth SPA Metallic) Service 8
E7.2.2 Telegraph Grade (a.k.a. BellSouth SPA Telegraph) Service 9
E7.2.3 Voice Grade (a.k.a. BellSouth SPA DS0 VG) Service 10
E7.2.4 Wired Music Service 16
E7.2.5 Reserved For Future Use 17
E7.2.6 Reserved For Future Use 18
E7.2.7 Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data) Service 18
E7.2.8 High Capacity (a.k.a. BellSouth SPA High Capacity) Service 20
E7.2.9 Reserved For Future Use 22.1
E7.2.10 Reserved For Future Use 22.1
E7.2.11 Reserved For Future Use 22.1
E7.2.12 SMARTPath® Service (a.k.a. BellSouth SPA Dedicated Ring) 22.1
E7.2.13 Channels For Use With SMARTGate® service (a.k.a. BellSouth SPA Managed Shared Ring Network) 22.1.2
E7.2.14 DELETED) 22.1.2
E7.2.15 Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) Service 22.3
E7.2.16 SMARTRing® service (a.k.a. BellSouth Dedicated Ring) 22.3

E7.3 Channel Interface And Network Channel Codes
E7.3.1 Glossary Of Channel Interface Codes And Options 23
E7.3.2 Impedance 27
E7.3.3 Digital Hierarchy Channel Interface Codes (4DS) 27
E7.3.4 Service Designator/Network Channel Code Conversion Table 27
E7.3.5 Reserved For Future Use 28
E7. SPECIAL ACCESS (A.K.A. BELLSouth SPA) SERVICE

CONTENTS

E7.4 Rate Regulations

E7.4.1 Types Of Rates And Charges 29
E7.4.2 Surcharge For Special Access (a.k.a. BellSouth SPA) Service 31
E7.4.3 Message Station Equipment Recovery charge 33
E7.4.4 Minimum Periods 33
E7.4.5 Moves 33
E7.4.6 Mileage Measurement 34
E7.4.7 Facility Hubs 35
E7.4.8 Shared Use Analog And Digital High Capacity Services 36
E7.4.9 Reserved For Future Use 36.0.0.1
E7.4.10 Reserved For Future Use 36.0.0.1
E7.4.11 Reserved For Future Use 36.0.0.1
E7.4.12 FlexServ® Service 36.0.0.1
E7.4.13 Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) Service (DDCS) 36.4
E7.4.14 SMARTRing® service (a.k.a. BellSouth Dedicated Ring) 36.4
E7.4.15 Reserved For Future Use 36.7
E7.4.16 Channels For Use With SMARTGate® service (a.k.a BellSouth SPA Managed Shared Ring Network) 36.7
E7.4.17 SMARTPath® Service (a.k.a. BellSouth SPA Shared Ring) 36.8

E7.5 Rates And Charges

E7.5.1 Metallic (a.k.a. BellSouth SPA Metallic) Service 36.8
E7.5.2 Telegraph Grade (a.k.a. BellSouth SPA Telegraph) Service 37
E7.5.3 Voice Grade (a.k.a. BellSouth SPA DS0 VG) Service 38
E7.5.4 Wired Music Service 43
E7.5.5 Reserved For Future Use 44
E7.5.6 Reserved For Future Use 44
E7.5.7 Digital Data Access (a.k.a. BellSouth SPA DS0 Digital Data) Service 45
E7.5.8 High Capacity (a.k.a. BellSouth SPA High Capacity) Service 48
E7.5.9 Message Station Equipment Recovery Charge 52
E7.5.10 Special Access (a.k.a. BellSouth SPA) Surcharge 52
E7.5.11 Reserved for Future Use 52
E7.5.12 Reserved for Future Use 52
E7.5.13 Transfer of Service 52
E7.5.14 (DELETED) 52 (D)
E7.5.15 Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) Service 52.0.2
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

There are nine 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. 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.

Following is a brief description of each type of channel:

Metallic (a.k.a. BellSouth SPA Metallic) - a channel for the transmission of low speed varying signals at rates up to 30 baud.

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.

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.

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.

Wired Music - 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.

(DERALLED)

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.

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) - a digital data channel derived from a two-wire local exchange facility that transmits voice and data signals simultaneously.

Notes:

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

E7.2 Service Descriptions

For the purposes of ordering, there are ten categories of Special Access (a.k.a. BellSouth SPA) service. These are:
- Metallic (a.k.a. BellSouth SPA Metallic) (MT)
- Telegraph Grade (a.k.a. BellSouth SPA Telegraph) (TG)
- Voice Grade (a.k.a. BellSouth SPA DS0 VG) (VG)
- Wired Music (AP)
- Digital Data Access (a.k.a. BellSouth SPA Digital Data) service (DDAS)
- High Capacity (a.k.a. BellSouth SPA High Capacity) (HC)
- WATS Access Line (a.k.a. BellSouth SPA WATS Line) (WAL)
- Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) service
- Self-Healing Rings (SMARTRing® 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. Virtual Collocation Cross-Connect rates and charges are provided in E7.5 following for each service allowed under collocation guidelines.

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 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.

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.
E7. SPECIAL ACCESS (A.K.A. BELL SOUTH 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:

- Metallic (a.k.a. BellSouth SPA Metallic) TR-NPL-000336
- Telegraph Grade (a.k.a. BellSouth SPA Telegraph) TR-NPL-000336
- Voice Grade (a.k.a. BellSouth SPA DSO VG) TR-NPL-000335
- Wired Music TR-NPL-000337
- Digital Data Access (a.k.a. BellSouth SPA DSO Digital Data) TR-NPL-000337
- For 2.4, 4.8, 9.6 and 56.0 Kbps
- For 19.2 Kbps INC. BULLETIN CB-INC-100
- For 64.0 Kbps AT&T PUB 62310
- High Capacity (a.k.a. BellSouth SPA High Capacity) TA-TSY -000342 TR-NPL-000054
- WATS Access Line (a.k.a. BellSouth SPA WATS Line) TR-NPL-000334
- Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) Service BellSouth TR-73548 BellSouth TR-73548, Addendum 1

E7.2.1 Metallic (a.k.a. BellSouth SPA Metallic) Service

A. Basic Channel Description

A Metallic (a.k.a. BellSouth SPA Metallic) channel is an unconditioned two-wire channel capable of transmitting low speed varying signals at rates up to 30 baud. This channel is provided by metallic or equivalent facilities. Metallic (a.k.a. BellSouth SPA Metallic) channels are provided between customer designated premises or between a customer designated premises and a Company Hub where bridging functions are performed. Interoffice metallic facilities will be limited in length to a total of five miles per channel. Metallic (a.k.a. BellSouth SPA Metallic) facilities will only be provided where available.

B. Technical Specifications Packages

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Package MT-1</th>
<th>Package MT-2</th>
<th>Package MT-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC Resistance Between Conductors</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Loop Resistance</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shunt Capacitance</td>
<td>X</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The technical specifications are delineated in Technical Reference TR-NPL-000336.

C. Channel Interfaces

Compatible channel interfaces are set forth in Technical Reference TR-NPL-000336.
E7. SPECIAL ACCESS (A.K.A. BELLSOOUTH SPA) SERVICE

E7.2 Service Descriptions (Cont'd)

E7.2.13 Channels For Use With SMARTGate® service (a.k.a. BellSouth SPA Managed Shared Ring Network)

A. This tariff section provides for intrastate service components that are for use with a customer’s interstate SMARTGate® service (a.k.a. BellSouth SPA Managed Shared Ring Network) service arrangement.

B. SMARTGate® service (a.k.a. BellSouth SPA Managed Shared Ring Network) is a managed high capacity shared network service that is offered in BellSouth Telecommunication Inc.’s F.C.C. Tariff No.1. The service is available to customer’s that aggregate 337 or greater equivalent DS1s at a location. A DS3 is considered as 28 equivalent DS1s. The service is capable of providing a transport link with high performance and reliability parameters and a level of redundancy/diversity designed to limit a single event from interrupting service. The service is based on fiber facilities configured in ring architectures and is available only in those locations within specified metropolitan areas SMARTGate® service (a.k.a. BellSouth SPA Managed Shared Ring Network) areas which the Company determines can be incorporated into the SMARTGate® service (a.k.a. BellSouth SPA Managed Shared Ring Network) network enabling the Company to provide the specified level of performance and reliability. SMARTGate® service (a.k.a. BellSouth SPA Managed Shared Ring Network) areas are identified in the NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF, F.C.C. NO. 4. For SMARTGate® service (a.k.a. BellSouth SPA Managed Shared Ring Network), the management function provided with the service is such that the Company will control and design the facility assignment, routing and hubbing of services to the customers primary and secondary aggregation locations. The customer may not specify facility routing and selection of services with SMARTGate® service (a.k.a. BellSouth SPA Managed Shared Ring Network) as they do with regular high capacity (a.k.a. BellSouth SPA High Capacity) services.

C. Within the wire center serving areas that comprise a SMARTGate® service (a.k.a. BellSouth SPA Managed Shared Ring Network) area, the customer's high capacity special access (a.k.a. BellSouth SPA) traffic will be collected and managed for delivery to a customer's aggregation location. The traffic will be collected and managed as an On-Net or Off-Net DS1 SMARTGate® service (a.k.a. BellSouth SPA Managed Shared Ring Network) channel, or an On-Net or Off-Net DS3 SMARTGate® service (a.k.a. BellSouth SPA Managed Shared Ring Network) channel, as applicable.

E7.2.14 (DELETED)

® Registered Service Mark of BellSouth Intellectual Property Corporation
E7. SPECIAL ACCESS (A.K.A. BELLSouth SPA) SERVICE

E7.2 Service Descriptions (Cont'd)

E7.2.14 (DELETED) (Cont’d)
E7. SPECIAL ACCESS (A.K.A. BELLSouth SPA) SERVICE

E7.2 Service Descriptions (Cont’d)

E7.2.14 (DELETED) (Cont’d)

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

A. Basic Service Description

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

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

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

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

B. Channel Interfaces

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

<table>
<thead>
<tr>
<th>CI</th>
<th>Bit Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>2DV5.BA</td>
<td>2.4 Kbps, Digital Data Over Voice</td>
</tr>
</tbody>
</table>

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® 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 and/or OC-12 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 and/or OC-12 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, and/or OC-12 Services between locations within the network.
### E7. SPECIAL ACCESS (A.K.A. BELL SOUTH SPA) SERVICE

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

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

<table>
<thead>
<tr>
<th>Code - Option</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>- T</td>
<td>Reverse battery signaling, one way operation, terminate function by customer or customer's end user</td>
</tr>
<tr>
<td>SF -</td>
<td>Single frequency signaling with VF band at either customer POT or customer's end user POT</td>
</tr>
<tr>
<td>TF -</td>
<td>Telephotograph interface</td>
</tr>
<tr>
<td>TF -</td>
<td>Telephotograph interface</td>
</tr>
<tr>
<td>TT -</td>
<td>Telegraph/teletypewriter interface at either customer POT or customer's end user POT</td>
</tr>
<tr>
<td>- 2</td>
<td>20.0 milliamperes</td>
</tr>
<tr>
<td>TT - 3</td>
<td>3.0 milliamperes</td>
</tr>
<tr>
<td>- 6</td>
<td>62.5 milliamperes</td>
</tr>
</tbody>
</table>

(DELETED) (D)
E7. SPECIAL ACCESS (A.K.A. BELL SOUTH 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

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 Access (a.k.a. BellSouth SPA DSO Digital Data) service and Derived Data Channel Service are offered under two contract plans. Contract plan rates are available in payment periods from twenty-four to forty-two months and in payment periods from forty-three to sixty months 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 Access (a.k.a. BellSouth SPA DSO Digital Data) service using the twenty-four to forty-two month payment plan. The contract plan period is for thirty months. The subscriber terminates the service after twelve months. The total liability charge is thirty months times the monthly rate. The amount is then reduced to reflect the number of months the subscriber has had the service, which in this example is twelve months. Therefore, the Termination Liability Charge is calculated as follows:

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

   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 Capacity (a.k.a. BellSouth SPA DS1) service for variable periods, with rates based on lengths of 36 months, 60 months, or 84 months 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.
E7. SPECIAL ACCESS (A.K.A. BELL SOUTH SPA) SERVICE

E7.4 Rate Regulations (Cont'd)

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

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
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)

E. Application of Rates

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

<table>
<thead>
<tr>
<th>Special Access Service (a.k.a. BellSouth SPA)</th>
<th>Voice Grade Equivalent</th>
<th>Monthly Surcharge</th>
<th>Monthly Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voice Grade 1</td>
<td>X</td>
<td>$ 25.00</td>
<td>$ 25.00</td>
</tr>
<tr>
<td>DS1</td>
<td>24 X</td>
<td>25.00</td>
<td>600.00</td>
</tr>
</tbody>
</table>

2. In the case of multipoint Special Access (a.k.a. BellSouth SPA) service, one Special Access (a.k.a. BellSouth SPA) Surcharge will apply for each termination at a customer designated premises except that the surcharge applies at the customer designated premises at which the Access Service is connected to intrastate service.

3. The Company will bill the surcharge to the customer who orders the Special Access (a.k.a. BellSouth SPA) service unless the Service is exempt as set forth in B. preceding.

The rate for the Special Access (a.k.a. BellSouth SPA) Surcharge is set forth in E7.5.10 following.

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 E2.4.2, SMARTPath® service (a.k.a. BellSouth SPA Shared Ring), and following the minimum service period for all services is one month.

(DELETED)

The minimum service period for SMARTPath® service (a.k.a. BellSouth SPA Shared Ring) and SMARTRing® 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.

E7.4.5 Moves

A. A move involves a change in the physical location of one of the following:

1. The point of termination at the customer's premises
2. The customer's premises

B. The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.

1. Moves Within the Same Building

When the move is to a new location within the same building the charge for the move will be an amount equal to one-half of the nonrecurring (i.e., installation) charge for the service termination affected. There will be no change in the minimum period requirement.
E7. SPECIAL ACCESS (A.K.A. BELL SOUTH SPA) SERVICE

E7.5 Rates And Charges (Cont’d)

E7.5.9 Message Station Equipment Recovery Charge

A. Message Station Equipment Recovery Charge
   1. Per Special Access (a.k.a. BellSouth SPA) Surcharge Assessed

   (a) Each

   E7.5.10 Special Access (a.k.a. BellSouth SPA) Surcharge

A. Rates
   1. Per Voice Grade Equivalent
      (a) Each

   E7.5.11 Reserved For Future Use

E7.5.12 Reserved For Future Use

E7.5.13 Transfer of Service

A. Service Rearrangements
   1. Special Access (a.k.a. BellSouth SPA) Circuits

   (a) Per Billing Account Number
   (b) Per circuit

E7.5.14 (DELETED)
E7. SPECIAL ACCESS (A.K.A. BELL SOUTH SPA) SERVICE

E7.5 Rates And Charges (Cont’d)

E7.5.14 (DELETED) (Cont’d)