

TARIFF DISTRIBUTION

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PURPOSE: Gatlinburg Services Withdraw

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Issuing Officer: Kristen Shore, Executive Director - Regulatory

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The Title Page and Pages 1 to 29-48 inclusive of this tariff are effective as of the date shown. Original and revised pages as named below and Supplement Nos. 1 and 2 contain all changes from the original tariff that are in effect on the date hereof.

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6-316	Original	6-365	3rd	7-33	1st
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6-318	Original	6-367	3rd	7-35	3rd
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6-329	Original	6-378	1st	7-46	2nd
6-330	Original	6-379	Original	7-47	Original
6-331	Original	6-380	1st	7-48	Original
6-332	Original	6-381	Original	7-49	2nd
6-333	Original	7-1	1st	7-50	2nd
6-334	Original	7-2	3rd	7-51	2nd
6-335	Original	7-3	Original	7-52	1st
6-336	Original	7-4	1st	7-53	1st
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7-60	1st	7-109	4th	7-158	Original
7-61	2nd*	7-110	1st	7-159	Original
7-62	Original	7-111	Original	7-160	Original
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7-65	2nd	7-114	2nd	7-163	Original
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7-67	1st*	7-116	Original	7-165	Original
7-68	1st	7-117	2nd	7-166	Original
7-69	Original	7-118	Original	7-167	Original
7-70	Original	7-119	Original	7-168	Original
7-71	Original	7-120	Original	7-169	Original
7-72	Original	7-121	Original	7-170	1st
7-73	Original	7-122	2nd	7-171	3rd
7-74	Original	7-123	Original	7-172	3rd
7-75	Original	7-124	Original	7-173	3rd
7-76	2nd	7-125	Original	7-174	Original
7-77	Original	7-126	Original	7-175	2nd
7-78	2nd	7-127	1st	7-176	Original
7-79	1st	7-128	2nd	7-177	2nd
7-80	Original	7-129	Original	7-178	1st
7-81	1st	7-130	2nd	7-179	1st
7-82	1st*	7-131	Original	7-180	3rd
7-83	Original	7-132	Original	7-181	2nd
7-84	1st	7-133	Original	7-182	2nd
7-85	Original	7-134	Original	7-183	2nd
7-86	Original	7-135	Original	7-184	2nd
7-87	Original	7-136	1st	7-185	2nd
7-88	2nd	7-137	3rd	7-186	2nd
7-89	2nd	7-138	Original	7-187	Original
7-90	2nd	7-139	1st	7-188	Original
7-91	2nd	7-140	Original	7-189	Original
7-92	2nd	7-141	Original	7-190	3rd
7-93	2nd	7-142	Original	7-191	3rd
7-94	2nd	7-143	Original	7-192	Original
7-95	2nd	7-144	Original	7-193	2nd
7-96	2nd	7-145	Original	7-194	1st
7-97	2nd	7-146	Original	7-195	1st
7-98	1st	7-147	1st	7-196	1st
7-99	1st	7-148	Original	7-197	1st
7-100	1st	7-149	Original	7-198	1st
7-101	1st	7-150	Original	7-199	1st
7-102	Original	7-151	Original	7-200	Original
7-103	Original	7-152	Original	7-201	2nd
7-104	Original	7-153	Original	7-202	3rd

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2 - General Regulations (Cont'd)

2.1.15 TDM to IP Transition

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

(1) Withdrawn Services Effective September 20, 2017

<u>Product Name</u>		<u>Section</u>
<u>Wire Center</u>	<u>Exchange</u>	<u>Other Information</u>
-Metallic (aka BellSouth SPA Metallic) Service		7.2.1
GTBGTNMT	Gatlinburg	
-Telegraph Grade (aka BellSouth SPA Telegraph) Service		7.2.2
GTBGTNMT	Gatlinburg	
-Voice Grade (aka BellSouth SPA DSO VG) Service		7.2.3
GTBGTNMT	Gatlinburg	
-Program Audio (aka BellSouth SPA Program Audio) Service		7.2.4
GTBGTNMT	Gatlinburg	
-Digital Data Access (aka BellSouth SPA DSO Digital Data) Service		7.2.8
GTBGTNMT	Gatlinburg	
-High Capacity (aka BellSouth SPA High Capacity) Service (at 64.0 kbps, 3.152 and 6.312 Mbps)		7.2.9
GTBGTNMT	Gatlinburg	
-Derived Data Channel (aka BellSouth SPA Derived Data Channel) Service		7.2.12
GTBGTNMT	Gatlinburg	

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

7.2 Service Descriptions (Cont'd)

Digital Data Access (a.k.a.

BellSouth SPA DSO Digital Data) Service
For 2.4, 4.8, 9.6 & 56.0 kbps
For 19.2 kbps
For 64.0 kbps
High Capacity

TR-NWT-000341
ANSI T1.107b-1
ANSI T1.197b-1991
ANSI T1.107b-1991
TR-NPL-000054
TR-INS-000342

WATS Access Line (a.k.a. BellSouth
SPA WATS Line)

TR-NWT-000334

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

TR-73548
TR-73548, Addendum 1

SMARTPath Service (a.k.a. BellSouth
SPA DS1 Shared Ring)

TR-73575

SMARTPath DS3 Transport (a.k.a. BellSouth
SPA DS3 Shared Ring) Service

TR-73575, Addendum 1

7.2.1 Metallic Service ⁽¹⁾ (a.k.a. BellSouth SPA Metallic)

(C)

(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 Telephone Company Hub where bridging functions are performed. Interoffice metallic facilities will be limited in length to a total of five miles per channel.

(B) Technical Specifications Packages

Parameter	Package 1	MT-2	MT-3
DC Resistance Between Conductors	X	X	
Loop Resistance			X
Shunt Capacitance			X

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

(C) Channel Interface

Compatible channel interfaces are set forth in Technical Reference TR-NPL-000336.

⁽¹⁾ Effective September 20, 2017, Metallic Service has limited availability; see Section 2.1.15.

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

7.2 Service Descriptions (Cont'd)

7.2.1 Metallic (a.k.a. BellSouth SPA Metallic) Service (Cont'd)

(D) Optional Features and Functions

(1) Central Office Bridging Capability

- (a) Three Premises Bridging - Provision of tip-to-tip and ring-to-ring connection in a central office of a metallic pair to a third customer designated premises.
- (b) Series Bridging of up to 26 customer designated premises.

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

	Available with Technical Specifications Package MT -		
	<u>1</u>	<u>2</u>	<u>3</u>
Three Premises Bridging	X		X
Series Bridging		X	

7.2.2 Telegraph Grade (a.k.a. BellSouth SPA Telegraph) Service ⁽¹⁾

(C)

(A) Basic Channel Description

A Telegraph (a.k.a. BellSouth SPA Telegraph) Grade channel is an unconditioned channel capable of transmitting binary signals at rates of 0-75 baud or 0-150 baud. This channel is furnished for half-duplex or duplex operation. Telegraph (a.k.a. BellSouth SPA Telegraph) Grade channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

(B) Technical Specifications Packages

	<u>Package TG-</u>	
<u>Parameter</u>	<u>1</u>	<u>2</u>
Telegraph Distortion	X	X

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

⁽¹⁾ Effective September 20, 2017, Telegraph Grade Service has limited availability; see Section 2.1.15.

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

7.2 Service Descriptions (Cont'd)

7.2.2 Telegraph (a.k.a. BellSouth SPA Telegraph) Grade Service (Cont'd)

(C) Channel Interfaces

Compatible channel interfaces are set forth in Technical Reference TR-NPL-000336.

(D) Optional Features and Functions

(1) Telegraph Bridging (two-wire and four-wire)

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

	Available with Technical Specifications Package TG-	
	<u>1</u>	<u>2</u>
Telegraph Bridging	X	X

7.2.3 Voice Grade (a.k.a. BellSouth SPA DSO VG) Service ⁽¹⁾⁽²⁾

(C)

(A) Basic Channel Description

A Voice Grade (a.k.a. BellSouth SPA DSO VG) channel is a channel which provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated two-wire or four-wire. Voice Grade (a.k.a. BellSouth SPA DSO VG) channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

⁽¹⁾ Effective November 5, 2016, Voice Grade (a.k.a. BellSouth SPA DSO VG) service in the Carbon Hill, Alabama and Kings Point, Florida Telephone Company wire centers is no longer available for new Customers at new locations. New circuits may be added at Customer locations with existing Voice Grade (a.k.a., BellSouth SPA DSO VG) circuits as of February 16, 2016. There are no changes for existing Customers except that circuit moves to different buildings are no longer permitted.

⁽²⁾ Effective September 20, 2017, Voice Grade Service has limited availability; see Section 2.1.15.

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

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade (a.k.a. BellSouth SPA DSO VG) Service⁽¹⁾ (Cont'd)

7.2.3.1 WATS Access Line (a.k.a. BellSouth SPA WATS Line) (WAL) Service
(Cont'd)

(C) The following interfaces are available with WAL (a.k.a. BellSouth SPA WATS Line) Service:

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

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

(D) Optional Features and Functions

- (1) Two-wire and four-wire Central Office bridging capability.
- (2) Improved two-wire voice transmission specifications.
- (3) Certain other arrangements associated with WAL (a.k.a. BellSouth SPA WATS Line) services such as WATS Access Line (a.k.a. BellSouth SPA WATS Line) Nonchargeable Termination Options and Common Switching Optional Features are available as defined in Section 6 preceding.
- (4) One-way or Two-way Capability

7.2.4 Program Audio (a.k.a. BellSouth SPA Program Audio) Service ⁽¹⁾⁽²⁾

(C)

(A) Basic Channel Description

A Program Audio channel is a channel measured in Hz 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. Program Audio channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

⁽¹⁾ Effective November 5, 2016, Voice Grade (a.k.a. BellSouth SPA DSO VG) service and Program Audio (a.k.a. BellSouth SPA Program Audio) service in the Carbon Hill, Alabama and Kings Point, Florida Telephone Company wire centers are no longer available for new Customers at new locations. New circuits may be added at Customer locations with existing Voice Grade (a.k.a., BellSouth SPA DSO VG) or Program Audio (a.k.a. BellSouth SPA Program Audio) circuits as of February 16, 2016. There are no changes for existing Customers except that circuit moves to different buildings are no longer permitted.

⁽²⁾ Effective September 20, 2017, Program Audio Service has limited availability; see Section 2.1.15.

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

7.2 Service Descriptions (Cont'd)

7.2.7 Reserved for Future Use (Cont'd)

7.2.8 Digital Data Access (a.k.a. BellSouth SPA DSO Digital Data) Service ⁽²⁾ (C)

(A) Basic Channel Description (Z)

A Digital Data (a.k.a. BellSouth SPA DSO Digital Data) Access 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, 56.0 or 64.0 ⁽¹⁾ kbps. Transmission speeds of 2.4, 4.8, 9.6 and 19.2 kbps are referred to as Lowspeed Digital Data Access (a.k.a. BellSouth SPA DSO Digital Data) service (DDAS) options, and transmission speeds of 56.0 and 64.0 kbps are referred to as Highspeed DDAS (a.k.a. BellSouth SPA DSO Digital Data) options. The actual bit rate is a function of the channel interface selected by the

(Z)
(Z)
(T)
(Z)
(Z)

⁽¹⁾ When 64.0 Kbps service is multiplexed on a DS1 High Capacity (a.k.a. BellSouth SPA DS1) service, the DS1 must be optioned with Clear Channel Capability. (T)
(Z)

⁽¹⁾ Effective September 20, 2017, Digital Data Access Service has limited availability; see Section 2.1.15. (C)

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

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity (a.k.a. BellSouth SPA High Capacity) Service ⁽²⁾

(C)

(A) Basic Channel Description

A High Capacity (a.k.a. BellSouth SPA High Capacity) channel is a channel for the transmission of nominal 64.0 kbps ⁽¹⁾ or 1.544, 3.152, 6.312, or 44.736, Mbps isochronous serial data. The actual bit rate is a function of the channel interface selected by the customer. High Capacity (a.k.a. BellSouth SPA High Capacity) channels are provided between customer-designated premises or between a customer-designated premises and a Telephone Company Hub.

Except for DS1 Diverse service, a DS1 (1.544 Mbps) High Capacity (a.k.a. BellSouth SPA DS1) channel may also be provided over a fiber transmission path between a customer-designated premises and an alternate wire center. DS1 High Capacity (a.k.a. BellSouth SPA DS1) channels may not be provided over DS1 Diverse service. The customer must have at least one other High Capacity (a.k.a. BellSouth SPA High Capacity) service from the same customer-designated premises to its normal serving wire center. This DS1 Alternate Serving Wire Center (ASWC) transmission path avoids the wire center from which the customer would normally obtain dial tone. The ASWC local channel is provisioned between contiguous wire centers with adjacent fiber feeder routes. This service utilizes fiber facilities from the ASWC to the designated customer premises. Interoffice channel facilities, if required, will avoid the normal serving wire center. The Telephone Company will designate the serving wire center to be used as the alternate.

The DS1 ASWC arrangement is immediately available for all existing arrangements and, where facilities exist, for customers whose normal serving wire centers are those listed below:

ALPRGAMA	ATLNGABU	ATLNGACS	TUKRGAMA
ATLNGAEP	ATLNGAPP	ATLNGASS	
ATLNGATH	DNWDGAMA	RSQLGAMA	
SMYRGAMA	SMYRGAPF	CHMBGAMA	

⁽¹⁾ Available only as a channelized element of a 1.544 Mbps facility between two Telephone Company Digital Data (a.k.a. BellSouth SPA DSO Digital Data) Access Hubs or as a cross connect of two 2.4, 4.8, 9.6, 19.2, 56.0 or 64.0 Kbps channels of two 1.544 Mbps facilities at a Digital Data (a.k.a. BellSouth SPA DSO Digital Data) Access Hub. The customer must provide system and channel assignment data.

⁽²⁾ Effective September 20, 2017, High Capacity Service has limited availability; see Section 2.1.15.

(C)

ISSUED: SEPTEMBER 5, 2017

EFFECTIVE: SEPTEMBER 20, 2017

ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.11 Self-healing Rings

(A) Technical Specifications Packages

DS3 interface combinations and technical specifications are referenced in Bellcore TR-INS-000342.

DS1 interface combinations and technical specifications are referenced in Bellcore TR-NPL-000054.

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

(C)

(A) Basic Service Description

DDCS (a.k.a. BellSouth SPA Derived Data Channel) provides full-duplex asynchronous or synchronous data transmission utilizing data over voice and substrate 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 (a.k.a. BellSouth SPA Derived Data Channel) is provided between the customer's premises and the customer's serving central office.

⁽¹⁾ Effective September 20, 2017, Derived Data Channel Service has limited availability; see Section 2.1.15.

(N)