

EFFECTIVE: FEBRUARY 26, 2003

ACCESS SERVICE
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The Title Page and Pages 1 to 22-27 and Supplement No. 113 inclusive of this tariff are effective as of the date shown.

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1.1	Original	23	7th	56	5th
2	184th	24	7th	57	4th
2.1	48th	25	9th	58	4th
3	61st*	26	Original	59	7th
3.1	7th	27	4th	60	9th
4	154th	27.0.1	2nd	61	3rd
4.1	7th*	27.1	3rd	62	7th
5	124th*	27.2	6th	63	3rd
5.1	79th	27.3	3rd	63.1	3rd
5.1.1	19th	27.4	4th	64	4th
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9.1	Original	37	5th	75.2.1	1st
10	1st	38	8th	76	5th
11	9th	39	5th	77	3rd
12	12th	40	7th	1-1	4th
12.1	4th	41	2nd	2-1	2nd
13	14th	42	6th	2-2	4th
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14.1	3rd	44	7th	2-4	Original
15	8th	45	7th	2-5	4th
16	3rd	46	7th	2-6	1st
17	12th	47	2nd	2-7	1st
18	12th	48	3rd	2-8	2nd
18.1	4th	49	7th	2-8.1	Original
19	5th	50	5th	2-9	Original
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21	12th	52	4th	2-11	1st
21.1	Original	53	5th		

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BELLSOUTH TELECOMMUNICATIONS, INC.
 BY: Operations Manager - Pricing
 29G57, 675 W. Peachtree St., N.E.
 Atlanta, Georgia 30375
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6-12.1	6th	6-36	6th	6-75.9	1st
6-13	7th	6-37	5th	6-75.10	3rd*
6-14	6th	6-38	5th	6-75.10.1	Original
6-15	5th	6-39	5th	6-75.11	1st
6-16	5th	6-40	4th	6-75.12	1st
6-17	5th	6-41	6th	6-75.13	4th
6-18	5th	6-42	5th	6-75.14	3rd
6-18.1	7th	6-43	5th	6-75.15	1st
6-19	6th	6-44	5th	6-75.16	1st
6-20	6th	6-45	7th	6-75.17	Original
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6-22	9th	6-47	8th	6-75.19	Original
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6-25.1	7th	6-52.0.1	Original	6-77	6th
6-25.2	4th	6-52.1	5th	6-77.1	5th
6-25.3	9th	6-53	7th	6-78	6th
6-25.3.1	2nd	6-53.1	5th	6-78.1	3rd
6-25.4	3rd	6-54	6th	6-79	6th
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7-5	6th	7-38.5.1	Original		
7-6	6th	7-38.6	4th		
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7-8.3	4th	7-38.12	Original		
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7-12	2nd	7-44	3rd		
7-13	7th	7-45	3rd		
7-13.0.1	1st	7-46	3rd		
7-13.1	3rd	7-47	5th		
7-14	5th	7-48	7th		
7-14.1	1st	7-49	6th		
7-14.2	1st	7-49.0.1	2nd		
7-14.3	1st	7-49.1	5th		
7-15	2nd	7-49.4.0.1	Original		
7-16	8th	7-49.1.1	3rd		
7-17	6th	7-49.2	5th		
7-18	7th	7-49.3	6th*		
7-19	9th	7-49.3.1	1st*		
7-20	1st	7-49.4	6th*		
7-21	1st	7-49.4.0.1	2nd*		
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7-23	1st	7-49.5	4th		
7-24	1st	7-50	3rd		
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7-27	2nd	7-53	5th		
7-28	2nd	7-54	4th		
7-29	2nd				
7-30	4th				
7-31	2nd				
7-32	3rd				
7-33	2nd				
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7-58	8th	7-77	1st	7-103.1.1	2nd
7-58.1	5th	7-78	1st		
7-58.2	3rd	7-79	20th		
7-58.3	4th	7-79.1	Original		
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7-58.5	2nd	7-80.1	2nd		
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7-58.7.1	3rd	7-82	4th		
7-58.7.2	Original	7-83	5th		
7-58.8	5th	7-84	10th		
7-58.8.1	1st	7-84.1	6th		
7-58.9	3rd	7-85	12th		
7-58.9.1	1st	7-86	2nd		
7-58.10	5th	7-86.1	9th		
7-58.10.1	1st	7-86.1.1	2nd		
7-58.11	5th	7-86.2	5th		
7-58.11.1	2nd	7-86.2.1	2nd		
7-58.12	6th	7-86.3	7th		
7-58.13	6th	7-86.3.1	Original		
7-58.14	5th	7-86.4	4th		
7-58.15	2nd	7-87	8th		
7-58.16	1st	7-88	2nd		
7-58.17	2nd	7-88.1	4th		
7-58.17.1	Original	7-89	4th		
7-58.18	1st	7-90	5th		
7-58.19	Original	7-90.1	4th		
7-28.20	Original	7-91	8th		
7-28.21	Original	7-91.0.1	1st		
7-28.22	Original	7-91.1	1st		
7-59	6th	7-92	3rd		
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7-61	4th	7-92.2	1st		
7-61.1	1st	7-93	2nd		
7-62	3rd	7-94	3rd		
7-63	2nd	7-94.1	2nd		
7-64	1st	7-95	1st		
7-65	5th	7-96	2nd		
7-66	4th	7-97	2nd		
7-67	4th	7-98	1st		
7-68	5th	7-99	2nd		
7-68.1	1st	7-99.1	1st		
7-69	8th	7-99.2	1st		
7-70	15th	7-99.3	1st		
7-70.1	11th	7-100	8th		

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6 - BellSouth SWA Service (Cont'd)

6.2 Provision and Description of BellSouth SWA Service Arrangements (Cont'd)

6.2.10 BellSouth Dedicated Ring (Cont'd)

(A) Self-healing Multi-nodal Alternate Route Topology Ring (Cont'd)

BellSouth Dedicated Ring Channel Interfaces are available as follows:

Channel Interfaces	Nodes							
	OC-1	OC-3	OC-3+	OC-12	OC-48	OC-48+	OC-192+	
DS1	Yes	Yes	Yes	No ¹	No ¹	No ¹	No	
DS3	No	Yes	Yes	Yes	Yes	Yes	Yes ³	(C)
STS-1	Yes	Yes	Yes	Yes	Yes	Yes	Yes ³	(C)
OC-1 ²	No	No	No	Yes	Yes	Yes	No	
OC-3	No	No	No	Yes	Yes	Yes	Yes	
OC-12	No	No	No	No	Yes	Yes	Yes	
28 DS1 Channel Sys (DS3)	No	Yes	Yes	Yes	Yes	Yes	Yes ³	(C)
28 DS1 Channel Sys (STS-1)	No	Yes	Yes	Yes	Yes	Yes	Yes ³	(C)
OC-48	No	No	No	No	No	No	Yes	
DS3 (Asymmetrical with DS1)	No	Yes	Yes	No	No	No	No	
DS1 within an STS-1 Asymmetrical Arrangement	No	Yes	Yes	No	No	No	No	

BellSouth SPA Dedicated Ring interfaces may be ordered as asymmetrical (i.e., a circuit enters one node at a lower level interface and exits at another node at a higher level interface).

The DS3 (Asymmetrical with DS1) interface allows a customer to aggregate DS1s originating from multiple nodes on a ring into a single DS3 interface at a designated node. A DS3 (Asymmetrical with DS1) has the capacity to aggregate 28 DS1s.

The DS1 within an STS-1 Asymmetrical Arrangement interface rate element applies in lieu of the STS-1 interface for the higher level termination of an asymmetrical arrangement when the lower level interface is a DS1.

Note 1: DS1 interfaces are available via OC-1, OC-3, and OC-3+ Overlay Ring Arrangements or 28 DS1 Channel Systems only.

Note 2: OC-1 interfaces are only available for use with OC-1 Overlay Ring Arrangements.

Note 3: DS3, STS-1, 28 DS1 Channel System (DS3) and 28 DS1 Channel System (STS-1) interfaces are only available on rings installed on or after February 26, 2003. (N)
(N)
(N)

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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 (Cont'd)

(A) Basic Channel Description (Cont'd)

Local Channel Systems:

	Asynchronous(1)			
	LG1	LG2	LG3	LG4
Customer Channel Interfaces				
DS1 (3)	X	X		
DS3	X	X	X	X
Central Office Channel Interfaces				
DS1	X	X		
DS3	X	X	X	X
28 DS1 Channel System(2)			X	X

	Synchronous(1)					
	STS-1	OC-3	OC-12	OC-48	OC-192	
Customer Channel Interfaces						
DS1(3)	X	X				
DS3 (11)		X	X	X	X	(C)
STS-1 (11)	X	X	X	X	X	(C)
OC-3		X	X	X	X	
OC-12			X	X	X	
OC-48				X	X	
Central Office Channel Interfaces(4)						
DS1	X	X				
DS3 (11)		X	X	X	X	(C)
STS-1 (11)	X	X	X	X	X	(C)
OC-3		X	X	X	X	
OC-12			X	X	X	
OC-48				X	X	
28 DS1 Channel System(2) (5) (11)		X	X	X	X	(C)
STS-1 Channel System(6) (11)		X	X	X	X	(C)
OC-3 Channel System(6) (7)			X	X	X	
OC-12 Channel System(7)					X	
OC-48 Channel System(7)					X	

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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 (Cont'd)

(A) Basic Channel Description (Cont'd)

Interoffice Channel Systems:

		Asynchronous					
		LG1					
Channel Interfaces(8)							
DS3						X	
28 DS1 Channel System(9)						X	
		Synchronous					
		STS-1	OC-3	OC-12	OC-48	OC-192	
Channel Interfaces(8)							
DS1							
DS3 (11)			X	X	X	X	(C)
STS-1 (11)	X	X	X	X	X	X	(C)
OC-3			X	X	X	X	
OC-12				X	X	X	
OC-48					X	X	
28 DS1 Channel System(9)(11)			X	X	X	X	(C)
STS-1 Channel System (11)	X	X	X	X	X	X	(C)
OC-3 Channel System(10)			X	X	X	X	
OC-12 Channel System(10)						X	
OC-48 Channel System(10)						X	

Notes:

- (1) Channel interface availability varies with system size and transport architecture (asynchronous vs. synchronous). Customers who provide their own optical termination equipment associated with LightGate service (a.k.a. BellSouth SPA Point to Point Network) systems with optical termination at customer's premises are required to utilize compatible channel interface combinations to function with Telephone Company provided central office channel interfaces.

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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 (Cont'd)

(A) Basic Channel Description (Cont'd)

Notes: (Cont'd)

- (2) 28 DS1 channel system interfaces are required in conjunction with LightGate 3 (a.k.a. BellSouth SPA Point to Point Network 12 DS3 capacity) and 4 (a.k.a. BellSouth SPA Point to Point Network 24 DS3 capacity) asynchronous systems. LightGate OC-12 (a.k.a. BellSouth SPA Point to Point Network OC-12 capacity), OC-48 (a.k.a. BellSouth SPA Point to Point Network OC-48 capacity) and OC-192 (a.k.a. BellSouth SPA Point to Point Network OC-192 capacity) local channel systems require 28 DS1 channel system interfaces in addition to DS1 channel interfaces in the central office to derive DS1 channels in the serving wire center. (T)
(C)
(C)
- (3) Telephone Company provided DS1 customer channel interfaces are offered with LightGate 1 (a.k.a. BellSouth SPA Point to Point Network 1 DS3 capacity), LightGate STS-1 (a.k.a. BellSouth SPA Point to Point Network 1 STS-1 capacity), LightGate 2 (a.k.a. BellSouth SPA Point to Point Network 3 DS3 capacity), and OC-3 (a.k.a. BellSouth SPA Point to Point Network OC-3 capacity) systems only.
- (4) LightGate service (a.k.a. BellSouth SPA Point to Point Network) central office channel interfaces are not required for the following synchronous LightGate service (a.k.a. BellSouth SPA Point to Point Network) systems with optical termination in the serving wire center: OC-3, OC-12 and OC-48. A LightGate service (a.k.a. BellSouth SPA Point to Point Network) Local Channel System with optical termination in the serving wire center may connect in one of the following ways:
- to another LightGate service (a.k.a. BellSouth SPA Point to Point Network) Local Channel or Interoffice Channel at the compatible optical level,
 - to a SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) channel interface (CI) at the compatible optical level, or
 - to a compatible optical level channel interface from a higher level LightGate service (a.k.a. BellSouth SPA Point to Point Network) Local Channel or Interoffice Channel.

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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 (Cont'd)

(A) Basic Channel Description (Cont'd)

Notes: (Cont'd)

- (5) 28 DS1 channel system interfaces are required to terminate DS1 channels in the central office for LightGate service 3 (a.k.a. BellSouth SPA Point to Point Network 12 DS3 capacity) and 4 (a.k.a. BellSouth SPA Point to Point Network 24 DS3 capacity) systems. They are also required in the central office to terminate DS1 channels on LightGate service OC-3 (a.k.a. BellSouth SPA Point to Point Network OC-3 DS3 capacity), OC-12 (a.k.a. BellSouth SPA Point to Point Network OC-12 capacity), OC-48 (a.k.a. BellSouth SPA Point to Point Network OC-48 capacity) and OC-192 (a.k.a. BellSouth SPA Point to Point Network OC-192 capacity) systems when associated with DS3 channel interfaces at customer termination points. (T)
(C)
(C)
- (6) STS-1 or OC-3 channel system interfaces are required to terminate DS1 channels in the central office when associated with STS-1 customer channel interfaces. These channel systems may also be used with OC-3, OC-12 or OC-48 customer channel interfaces.

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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 (Cont'd)

(A) Basic Channel Description (Cont'd)

Notes: (Cont'd)

- (7) For LightGate service OC-192 (a.k.a. BellSouth SPA Point to Point Network OC-192 capacity) local channel systems installed prior to February 26, 2003, OC-3, OC-12 or OC-48 channel system interfaces are required to terminate DS3 or STS-1 channels and OC-3 channel system interfaces are required to terminate DS1 channels in the central office. (C)
- (8) Asynchronous LightGate service 1 (a.k.a. BellSouth SPA Point to Point Network 1 DS3 capacity) Interoffice Channel Systems offer DS1 or DS3 channel interfaces only. Synchronous LightGate service STS-1 (a.k.a. BellSouth SPA Point to Point Network 1 STS-1 capacity) Interoffice Channel Systems offer DS1 or STS-1 channel interfaces only. LightGate service OC-3 (a.k.a. BellSouth SPA Point to Point Network OC-3 capacity), LightGate service OC-12 (a.k.a. BellSouth SPA Point to Point Network OC-12 capacity), LightGate service OC-48 (a.k.a. BellSouth SPA Point to Point Network OC-48 capacity) Interoffice Channel Systems require OC-3 channel system, STS-1 channel system, or 28 DS1 channel system interfaces to terminate any channel interfaces at lower transmission rates than DS3 (or STS-1) rates. (C)
- (9) 28 DS1 channel system interfaces are only required with asynchronous DS1 and DS3 channels.
- (10) OC-3 channel system interfaces provide DS1 channel termination capability with synchronous LightGate OC-3 (a.k.a. BellSouth SPA Point to Point Network OC-3 capacity), synchronous LightGate OC-12 (a.k.a. BellSouth SPA Point to Point Network OC-12 capacity), synchronous LightGate OC-48 (a.k.a. BellSouth SPA Point to Point Network OC-48 capacity) or synchronous LightGate OC-192 (a.k.a. BellSouth SPA Point to Point Network OC-192 capacity) Interoffice Channel Systems. OC-3, OC-12 or OC-48 channel system interfaces provide DS3 or STS-1 channel termination capability with synchronous LightGate OC-192 (a.k.a. BellSouth SPA Point to Point Network OC-192 capacity) Interoffice Channel Systems.
- (11) DS3, STS-1, 28 DS1 Channel System and STS-1 Channel System interfaces are available on LightGate OC-192 (a.k.a. BellSouth SPA Point to Point Network OC-192 capacity) systems installed on or after February 26, 2003. (N)

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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 (Cont'd)

(A) Self-healing Multi-nodal Alternate Route Topology Ring
 (SMARTRing) Service (a.k.a. Bell South SPA Dedicated Ring) (Cont'd)

SMARTRing service (a.k.a. Bell South SPA Dedicated Ring) Channel Interfaces are available as follows:

Channel Interfaces	Nodes							
	OC-1	OC-3	OC-3+	OC-12	OC-48	OC-48+	OC-192+	
DS1	Yes	Yes	Yes	No ¹	No ¹	No ¹	No	
DS3	No	Yes	Yes	Yes	Yes	Yes	Yes ³	(C)
STS-1	Yes	Yes	Yes	Yes	Yes	Yes	Yes ³	(C)
OC-1 ²	No	No	No	Yes	Yes	Yes	No	
OC-3	No	No	No	Yes	Yes	Yes	Yes	
OC-12	No	No	No	No	Yes	Yes	Yes	
28 DS1 Channel System (DS3)	No	Yes	Yes	Yes	Yes	Yes	Yes ³	(C)
28 DS1 Channel System (STS-1)	No	Yes	Yes	Yes	Yes	Yes	Yes ³	(C)
OC-48	No	No	No	No	No	No	Yes	
DS3 (Asymmetrical with DS1)	No	Yes	Yes	No	No	No	No	
DS1 Within an STS-1 Asymmetrical Arrangement	No	Yes	Yes	No	No	No	No	

SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) interfaces may be ordered as asymmetrical (i.e., a circuit enters one node at a lower level interface and exits at another node at a higher level interface).

(M)

Note 1: DS1 interfaces are available via OC-1, OC-3, and OC-3+ Overlay Ring Arrangements or 28 DS1 Channel Systems only.

Note 2: OC-1 interfaces are only available for use with OC-1 Overlay Ring Arrangements.

Note 3: DS3, STS-1, 28 DS1 Channel System (DS3) and 28 DS1 Channel System (STS-1) interfaces are only available on rings installed on or after February 26, 2003.

(N)
(N)
(N)

Certain material previously appearing on this page now appears on First Revised Page 7-57.2.1.

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 (Cont'd)

(A) Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing) Service (a.k.a. Bell South SPA Dedicated Ring) (Cont'd)

The DS3 (Asymmetrical with DS1) interface allows a customer to aggregate DS1s originating from multiple nodes on a ring into a single DS3 interface at a designated node. A DS3 (Asymmetrical with DS1) interface has the capacity to aggregate 28 DS1s. (M)

The DS1 within an STS-1 Asymmetrical Arrangement interface rate element applies in lieu of the STS-1 interface for the higher level termination of an asymmetrical arrangement when the lower level interface is a DS1. (M)

SMARTRing[®] service OC-3, OC-12, or OC-48 channel interfaces are associated with optical circuits within a SMARTRing[®] service arrangement. These optical circuits may be provisioned as concatenated. When an optical circuit is provisioned as concatenated, the multiple STS-1s within the optical circuit are provided as a single entity with a single overhead channel. (M)

SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) Overlay Ring Arrangements are available as follows

<u>OVERLAYING SMARTRing Service</u> (a.k.a. BellSouth SPA Dedicated Ring)	<u>OC-12</u>	<u>OC-48</u>	<u>OC-48+</u>	<u>OC-192+</u>
OC-1	X	X	X	
OC-3	X	X	X	X
OC-3+		X		X
OC-12		X		X
OC-48				X

SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) is connectible at Telephone Company Central Offices to any 44.736 Mbps and/or 1.544 Mbps services as provided in Section 7 of this tariff. Rates and charges for such other services are as set forth in the applicable sections of this tariff for such other services.

Shared Network Arrangements will not be provided with SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) at the ring level. Shared Network Arrangements as defined in Section 2.6 apply at the channel interface level only.

Certain material now appearing on this page previously appeared on Fifth Revised Page 7-57.2.