

TARIFF DISTRIBUTION

FILE PACKAGE NO.: 0090

DATE: November 12, 2014

STATE: FCC

EFFECTIVE DATE: 11/12/2014

TYPE OF DISTRIBUTION: Approved

PURPOSE: Wideband Analog & Data Sunset

<u>TARIFF SECTION</u>	<u>PAGE NUMBER</u>	<u>PAGE REVISION</u>
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1000	3	0036
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1000	10	0009
1000	11	0009
1000	13	0014
1000	15	0014
1000	38	0004
1000	41	0003
1000	107	0001
1002	2-50	0001
1002	2-122	0005
1005	5-4	0003
1007	7-4	0001
1007	7-20	0004
1007	7-21	0001
1007	7-22	0001
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1007	7-61	0001
1007	7-109	0004
1007	7-113	0005
1007	7-115	0002
1007	7-127	0001
1007	7-136	0001
1007	7-137	0003
1007	7-139	0001

1007	7-232	0001
1007	7-233	0001
1007	7-234	0001
1007	7-235	0001
1007	7-236	0001
1007	7-568	0001
1007	7-569	0001
1007	7-570	0001
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1007	7-572	0001
1007	7-573	0001
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1010	10-5	0001
1010	10-24	0001
1023	23-4	0009
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132	Original	2-31	1st	2-78	2nd
133	Original	2-32	1st	2-79	Original
134	Original	2-33	Original	2-80	Original
135	Original	2-34	1st	2-81	Original
136	Original	2-35	1st	2-82	6th
137	Original	2-36	Original	2-83	Original
138	Original	2-37	Original	2-84	Original
139	Original	2-38	Original	2-85	2nd
140	Original	2-39	Original	2-86	Original
141	Original	2-40	2nd	2-87	Original
142	Original	2-41	1st	2-88	Original
143	Original	2-42	Original	2-89	2nd
144	Original	2-43	Original	2-90	Original
145	Original	2-44	Original	2-91	2nd
146	Original	2-45	Original	2-92	Original
147	Original	2-46	Original	2-93	1st
1-1	Original	2-47	1st	2-94	1st
2-1	Original	2-48	Original	2-95	1st
2-2	Original	2-49	3rd	2-96	1st
2-3	Original	2-50	1st*	2-97	Original
2-4	Original	2-51	Original	2-98	Original
2-5	Original	2-52	Original	2-99	3rd
2-6	Original	2-53	Original	2-100	Original
2-7	Original	2-54	Original	2-101	Original
2-8	Original	2-55	Original	2-102	Original
2-9	Original	2-56	2nd	2-103	Original
2-10	Original	2-57	Original	2-104	2nd
2-11	Original	2-58	Original	2-105	4th
2-12	Original	2-59	1st	2-106	Original
2-13	Original	2-60	1st	2-107	Original
2-14	Original	2-61	1st	2-108	Original
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2-17	Original	2-64	Original	2-111	Original
2-18	1st	2-65	Original	2-112	Original
2-19	Original	2-66	Original	2-113	2nd
2-20	1st	2-67	Original	2-114	1st
2-21	Original	2-68	1st	2-115	3rd
2-22	Original	2-69	Original	2-116	1st
2-23	Original	2-70	1st	2-117	2nd
2-24	Original	2-71	Original	2-118	1st
2-25	Original	2-72	Original	2-119	1st
2-26	Original	2-73	Original	2-120	Original
2-27	Original	2-74	Original	2-121	3rd
2-28	Original	2-75	Original	2-122	5th*
2-29	1st	2-76	Original	2-123	Original
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2-126	Original	2-176	Original	5-2	Original
2-127	Original	2-177	1st	5-3	Original
2-128	Original	2-178	Original	5-4	3rd*
2-129	Original	2-179	Original	5-5	Original
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2-132	1st	2-182	Original	5-8	Original
2-133	Original	2-183	Original	5-9	Original
2-134	Original	2-184	Original	5-10	Original
2-135	1st	2-185	Original	5-11	3rd
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2-140	3rd	2-190	Original	5-16	2nd
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2-145	1st	3-2	Original	5-21	Original
2-146	1st	3-3	2nd	5-22	Original
2-147	1st	3-4	Original	5-23	1st
2-148	1st	3-5	Original	5-24	3rd
2-149	1st	3-6	1st	5-25	Original
2-150	1st	3-7	Original	5-26	3rd
2-151	1st	3-8	1st	5-27	Original
2-152	2nd	3-9	1st	5-28	1st
2-153	3rd	3-10	Original	5-28.1	Original
2-154	1st	3-11	1st	5-29	2nd
2-155	1st	3-12	2nd	5-30	Original
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2-157	1st	3-14	1st	5-32	1st
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2-159	Original	4-2	Original	5-34	1st
2-160	Original	4-3	1st	5-34.1	Original
2-161	Original	4-4	Original	5-35	Original
2-162	Original	4-5	1st	5-36	Original
2-163	Original	4-6	15th	5-37	Original
2-164	Original	4-6.1	2nd	5-38	1st
2-165	Original	4-7	5th	5-39	Original
2-166	Original	4-8	5th	5-40	1st
2-167	Original	4-8.1	2nd	5-41	Original
2-168	Original	4-8.2	2nd	5-42	Original
2-169	Original	4-8.3	2nd	5-43	1st
2-170	Original	4-9	16th	5-44	Original
2-171	Original	4-10	1st	5-45	Original
2-172	Original	4-11	1st	5-46	1st
2-173	Original	4-12	1st	6-1	Original
2-174	Original	4-13	1st	6-2	Original
2-175	1st	5-1	Original	6-3	1st
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6-290	Original	6-339	Original	7-7	1st
6-291	Original	6-340	Original	7-8	3rd
6-292	Original	6-341	Original	7-9	Original
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6-294	Original	6-343	1st	7-11	2nd
6-295	Original	6-344	1st	7-12	Original
6-296	Original	6-345	1st	7-13	Original
6-297	Original	6-346	1st	7-14	Original
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6-299	Original	6-348	1st	7-16	Original
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6-301	Original	6-350	1st	7-18	Original
6-302	Original	6-351	1st	7-19	Original
6-303	Original	6-352	1st	7-20	4th*
6-304	Original	6-353	1st	7-21	1st*
6-305	Original	6-354	1st	7-22	1st*
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6-307	Original	6-356	5th	7-24	Original
6-308	Original	6-357	1st	7-25	Original
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6-313	Original	6-362	2nd	7-30	Original
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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
6-337	Original	7-5	2nd	7-54	Original
6-338	Original	7-6	Original	7-55	1st

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7-57	1st*	7-106	Original	7-155	Original
7-58	1st*	7-107	Original	7-156	Original
7-59	1st*	7-108	Original	7-157	Original
7-60	1st*	7-109	4th*	7-158	Original
7-61	1st*	7-110	1st	7-159	Original
7-62	Original	7-111	Original	7-160	Original
7-63	Original	7-112	Original	7-161	Original
7-64	1st	7-113	5th*	7-162	Original
7-65	2nd	7-114	2nd	7-163	Original
7-66	2nd	7-115	2nd*	7-164	Original
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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
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7-82	Original	7-131	Original	7-180	1st
7-83	Original	7-132	Original	7-181	Original
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
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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
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7-102	Original	7-151	Original	7-200	Original
7-103	Original	7-152	Original	7-201	Original
7-104	Original	7-153	Original	7-202	1st

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7-204	Original	7-251	Original	7-298	Original
7-205	Original	7-252	Original	7-299	2nd
7-206	Original	7-253	Original	7-300	2nd
7-207	6th	7-254	Original	7-301	2nd
7-208	Original	7-255	Original	7-302	2nd
7-209	Original	7-256	Original	7-303	2nd
7-210	1st	7-257	Original	7-304	2nd
7-211	1st	7-258	Original	7-305	2nd
7-212	1st	7-259	Original	7-306	2nd
7-213	Original	7-260	Original	7-307	2nd
7-214	Original	7-261	Original	7-308	2nd
7-215	Original	7-262	Original	7-309	Original
7-216	Original	7-263	2nd	7-310	2nd
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7-220	Original	7-267	2nd	7-314	2nd
7-221	Original	7-268	2nd	7-315	3rd
7-222	Original	7-269	2nd	7-316	Original
7-223	2nd	7-270	2nd	7-317	Original
7-224	2nd	7-271	2nd	7-318	1st
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7-226	Original	7-273	2nd	7-320	3rd
7-227	Original	7-274	2nd	7-321	2nd
7-228	Original	7-275	Original	7-322	2nd
7-229	2nd	7-276	Original	7-323	Original
7-230	1st	7-277	Original	7-324	Original
7-231	1st	7-278	Original	7-325	Original
7-232	1st*	7-279	Original	7-326	2nd
7-233	1st*	7-280	Original	7-327	2nd
7-234	1st*	7-281	2nd	7-328	2nd
7-235	1st*	7-282	2nd	7-329	2nd
7-236	1st*	7-283	2nd	7-330	2nd
7-237	6th	7-284	2nd	7-331	2nd
7-238	6th	7-285	2nd	7-332	Original
7-239	6th	7-286	2nd	7-333	2nd
7-240	6th	7-287	2nd	7-334	2nd
7-241	1st	7-288	Original	7-335	1st
7-242	1st	7-289	Original	7-336	1st
7-243	2nd	7-290	Original	7-337	1st
7-244	1st	7-291	Original	7-338	1st
7-245	2nd	7-292	Original	7-339	1st
7-246	2nd	7-293	Original	7-340	1st
7-247	2nd	7-294	Original	7-341	1st
7-248	Original	7-295	Original	7-342	1st
7-249	Original	7-296	Original	7-343	1st

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7-490	1st	7-538	1st	7-586	Original
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7-494	1st	7-542	3rd	9-2	1st
7-495	1st	7-543	3rd	9-3	1st
7-496	1st	7-544	1st	9-4	Original
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7-519	1st	7-567	Original	9-27	Original
7-520	1st	7-568	1st*	9-28	Original
7-521	1st	7-569	1st*	9-29	Original
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7-524	1st	7-572	1st*	9-32	Original
7-525	1st	7-573	1st*	9-33	Original
7-526	1st	7-574	1st*	9-34	Original
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7-528	1st	7-576	1st*	10-2	Original
7-529	1st	7-577	Original	10-3	Original
7-530	1st	7-578	Original	10-4	Original
7-531	1st	7-579	1st	10-5	1st*
7-532	1st	7-580	Original	10-6	1st

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10-45	Original	12-30	Original	13-4	1st
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10-47	Original	12-32	1st	13-6	1st
10-48	1st	12-33	Original	13-7	2nd
10-49	Original	12-34	Original	13-8	Original
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23-173	1st	23-218	2nd	23-263	1st
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23-175	1st*	23-220	1st	23-265	1st
23-176	1st*	23-221	1st	23-266	1st
23-177	1st*	23-222	1st	23-267	3rd
23-178	1st*	23-223	1st	23-268	3rd
23-179	1st*	23-224	2nd	23-269	3rd
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23-184	1st	23-229	1st	23-274	3rd
23-185	1st	23-230	1st	23-275	3rd
23-186	1st	23-231	1st	23-276	3rd
23-187	3rd	23-232	1st	23-277	3rd
23-188	1st	23-233	1st	23-278	3rd
23-189	2nd	23-234	1st	23-279	3rd
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EXPLANATION OF ABBREVIATIONS

- rms - root-mean-square
- RSM - Remote Switching Modules
- RSS - Remote Switching Systems
- SCP - Service Control Point
- SMDI - Simplified Message Desk Interface
- SPA - Special Access (a.k.a. BellSouth SPA)
- SPOI - Signaling Point of Interface
- SPUR - Service Provided Upon Request
- SRL - Singing Return Loss
- SS7 - Signaling System 7
- SSN - Switched Service Network
- SSP - Service Switching Point
- STP - Signal Transfer Point
- SWA - BellSouth Switched Access
- SWC - Serving Wire Center
- TCAP - Transactions Capabilities
Application Part Messages
- TES - Telephone Exchange Service(s)
- TG - Telegraph Grade
- TLP - Transmission Level Point
- TOPS - Traffic Operator Position System
- TRS - BellSouth Telecommunications
Relay Service
- TRSTS - BellSouth Telecommunications
Relay Service Transport Service
- TSBSA - BellSouth SWA Trunk Side Basic Serving Arrangement
- TV - Television
- UNEs - Unbundled Network Elements
- USOC - Uniform Service Order Code
- VEIS - BellSouth Virtual Expanded Interconnection Service
- VG - Voice Grade (a.k.a. BellSouth SPA DSO VG)
- V & H - Vertical & Horizontal

- WATS - BellSouth SWA Wide Area Telecommunications Service(s)

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2 - General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

(B) When a Credit Allowance Applies (Cont'd)

(2) (Cont'd)

- (d) For multipoint services, when daily rates are applicable, the credit shall be at the daily rate of 1/288 of the daily charges for each channel termination, channel mileage and optional features and functions that is inoperative for each period of 5 minutes or major fraction thereof that the interruption continues.
- (e) For multipoint services, the credit for the monthly or daily charges includes the charges for the distribution amplifier only when the distribution amplifier is inoperative.
- (f) When two or more interruptions occur during a period of 5 consecutive minutes, such multiple interruptions shall be considered as one interruption.
- (3) For BellSouth SWA service, BellSouth Directory Assistance Access service, and BellSouth Line Information Data Base Access service usage sensitive rate elements, no credit shall be allowed for an interruption of less than 24 hours. The customer shall be credited for an interruption of 24 hours or more at the rate applicable to the service involved, for each period of 24 hours or major fraction thereof that the interruption continues. In the case of service billed based upon actual usage, no credit allowance is applicable.
- (4) The credit allowance(s) for an interruption or for a series of interruptions shall not exceed (a) the sum of the monthly rates or (b) the assumed minutes of use charge for the service interrupted in any one monthly billing period.
- (5) For certain Special Access (a.k.a. BellSouth SPA) services (Digital Data Access (a.k.a. BellSouth SPA DSO Digital Data), DA1-4; and High Capacity (a.k.a. BellSouth SPA High Capacity) HC1), any period during which the error performance is below that specified for the service will be considered as an interruption. (D)

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2 - General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.8 Optional Payment Plans (Cont'd)

(F) BellSouth Fast Packet Savings Plan (Cont'd)

(3) (Cont'd)

- Eligible BellSouth Transport Services (per (a) following): (Cont'd)
 - BellSouth SPA Customer Network Management (CNM) - FlexServ Service
 - Surcharge for Special Access (a.k.a. BellSouth SPA) Service
 - Message Station Equipment Recovery Charge
 - Metallic (a.k.a. BellSouth Metallic) Service
 - Telegraph Grade (a.k.a. BellSouth Telegraph) Service
 -
 - Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) Service
 - Video (a.k.a. BellSouth Video Service)
 - Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video) Service
 - Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) Service
 - BellSouth SPA Modular Video Transport Service
 - Dry Fiber

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5 - Ordering Options for BellSouth SWA and Special Access (a.k.a. BellSouth SPA)
Service

5.1 General (Cont'd)

5.1.1 Ordering Conditions (Cont'd)

(H) Service Date Advancement

(1) The regulations and rates specified herein are applicable only for the following services:

- Metallic Service (a.k.a. BellSouth SPA Metallic)
- Telegraph Grade Service (a.k.a. BellSouth SPA Telegraph)
- Voice Grade Service (a.k.a. BellSouth SPA VG)
- WATS Access Line (WAL) Service (a.k.a. BellSouth SPA WATS Lines)
- Program Audio Service (a.k.a. BellSouth SPA Program Audio)
-
-
- Digital Data Access Service (a.k.a. BellSouth SPA DSO Digital Data)
- DS1 (a.k.a. BellSouth SPA DS1)
- BellSouth SPA DS1 Diverse
- SMARTPath Service (a.k.a. BellSouth SPA DS1 Shared Ring)
- BellSouth Exchange Access Frame Relay Service - DSO and DS1
- Managed Shared Frame Relay Service - DSO and DS1
- LightGate Service (a.k.a. BellSouth SPA Point to Point) - DS3
- SMARTPath DS3 Transport Service (a.k.a. BellSouth SPA DS3 Shared Ring)

(D)
(D)

(2) Initial Access Order

When placing an Access order for the installation, move or rearrangement of services, the customer may request that the service date for services with standard or negotiated intervals be advanced to an earlier service date. If the Company agrees to advance the service date, a Service Date Advancement Charge will apply as specified herein.

- (a) For services with standard intervals, a Service Date Advancement Charge will apply for each day the service date is less than the standard interval.
- (b) For SPA DSO and DS1 services with negotiated intervals, which are designated for special handling according to published service date interval guidelines, with an agreed upon interval that is less than the standard interval for SPA DSO and DS1 services as measured from the Application Date, a Service Date Advancement charge will apply for each day the service date is advanced from the standard interval for such services.
- (c) For SPA DS3 services with negotiated intervals, which are designated for special handling according to published service date interval guidelines, with an agreed upon interval that is less the standard interval for SPA DS3 services as measured from the Application Date, a Service Date Advancement charge will apply for each day the service date is advanced from the SPA DS3 standard interval.

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ACCESS SERVICE

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

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

(D)

(D)

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.

Digital Data (a.k.a. BellSouth SPA DSO 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 Mbps (DS1), 3.152 Mbps (DS1C), 6.312 Mbps (DS2), or 44.736 Mbps (DS3).

Detailed descriptions of each of the channel types are provided in Section 7.2.

(T)
(D)

The customer also has the option of ordering digital high capacity (a.k.a. BellSouth SPA High Capacity) facilities i.e., Group, Supergroup, Mastergroup, DS1 (1.544 Mbps), DS1C (3.152 Mbps), DS2 (6.312 Mbps), and DS3 (44.736 Mbps) to a Telephone Company Hub for channelization to individual channels of a lower capacity or bandwidth.

(D)

Descriptions of the types of channelization available at the Hubs, as well as the number of individual channels which may be derived from each type of facility are set forth in Section 7.2. Additionally, the customer may specify optional features for the individual channels derived from the facility to further tailor the channel to meet specific communications requirements. Descriptions of the optional features and functions available are also set forth in Section 7.2.

(T)

(T)

For example, a customer may order LightGate service (a.k.a. BellSouth SPA Point to Point Network) with DS3 channel interfaces at a customer designated premises and terminate it at a Telephone Company Hub with DS1 (a.k.a. BellSouth SPA DS1) (1.544 Mbps) channel interfaces. These DS1 (a.k.a. BellSouth SPA DS1) channels may be further channelized to Voice Grade (a.k.a. BellSouth SPA DSO VG) (i.e., Group level) channels or may be extended to other customer designated premises or a different Hub. Optional features may be added to either the DS1 (a.k.a. BellSouth SPA DS1) or the Voice Grade (a.k.a. BellSouth SPA DSO VG) channels.

(D)

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ACCESS SERVICE

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

7.1 General (Cont'd)

7.1.7 Acceptance Testing (Cont'd)

- (A) For Voice Grade (a.k.a. BellSouth SPA DSO VG) analog services, acceptance tests will include tests for loss, 3-tone slope, DC continuity, operational signaling, C-notched noise, and C-message noise when these parameters are applicable and specified in the order for service. Additionally, for Voice Grade (a.k.a. BellSouth SPA DSO VG) services, a balance (improved loss) test will be made if the customer has ordered the Improved Return Loss optional feature.
- (B) For other analog services (i.e., Metallic (a.k.a. BellSouth SPA Metallic), Telegraph (a.k.a. BellSouth SPA Telegraph), Program Audio (a.k.a. BellSouth SPA Program Audio), Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video), WATS Access Line (a.k.a. BellSouth SPA WATS Line) and for digital services (i.e., Digital Data Access service (a.k.a. BellSouth SPA DSO Digital Data), Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) service, BellSouth SPA Modular Video Transport Service¹ and High Capacity (a.k.a. BellSouth SPA High Capacity), acceptance tests will include tests for the parameters applicable to the service as specified in the order for service. (D)

In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade (a.k.a. BellSouth SPA DSO VG) service to test other parameters, as described in Section 13.3.5(B), is available at the customer's request. All tests results will be made available to the customer upon request. (T)

7.1.8 Ordering Options and Conditions

The customer places an access order with the Telephone Company for the provision of Special Access (a.k.a. BellSouth SPA) service.

The options and conditions for access orders are set forth in detail in Section 5 of this Tariff. Also included in Section 5 of this Tariff are other charges that may be associated with ordering Special Access (a.k.a. BellSouth SPA) service (e.g., Service Date Change Charges, Cancellation Charges, etc.).

¹ Effective August 25, 2011, BellSouth SPA Modular Video Transport Service is no longer available to new Customers. There is no change for existing customers.

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

7.2 Service Descriptions

For the purposes of ordering, there are twelve categories of Special Access 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 DSO VG) (VG)
Program Audio (a.k.a. BellSouth SPA Program Audio) (AP)
Video (a.k.a. BellSouth SPA Video) (TV)

Digital Data Access (a.k.a. BellSouth SPA DSO 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 (DDCS)

(D)
(D)

Each service consists of a basic channel to which a technical specifications package (predefined), 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.

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 Telephone 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 Service to which the parameters are applicable. The number "1" following the two letter code indicates the technical specifications package for a Voice Grade (a.k.a. BellSouth SPA DSO VG) service. The numeric 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.

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

7.2 Service Descriptions (Cont'd)

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. Technical references are set forth in Section 7.3.5. (T)

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 Section 7.2. When a customized channel is requested, all channel interface combinations available with the specified type of service are available with the customized channel. (T)

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 Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this tariff except that existing services with performance specifications exceeding the standard listed in this provision will be maintained at the performance levels specified in this tariff.

All services installed 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-NWT-000335
	MDP 326-584
Program Audio (a.k.a. BellSouth SPA Program Audio)	TR-NPL-000337
Video (a.k.a. BellSouth SPA Video)	TR-73583 (BellSouth)
	TR-73606 (BellSouth)
	TR-73607 (BellSouth)
	TR-73608 (BellSouth)
	TR-73609 (BellSouth)
	TR-73611 (BellSouth)

(D)
(D)

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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.6 Reserved for Future Use

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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.6 Reserved for Future Use (Cont'd)

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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.6 Reserved for Future Use (Cont'd)

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ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.7 Reserved for Future Use (Cont'd)

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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)

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ACCESS SERVICE

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

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.1 Glossary of Channel Interface Codes and Options¹ (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
TV	-	television interface
	- 1	combined (diplexed) broadcast quality video (a.k.a. BellSouth SPA Broadcast Quality Video) and two or four audio signals.

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WIDEACCESS SERVICE

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

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces

Channel interface codes (CIs) which are compatible are shown in the following Technical References for each category of service:

- | | |
|--|------------------------------|
| (A) Metallic
(a.k.a. BellSouth SPA Metallic) | TR-NPL-000336 |
| (B) Telegraph Grade
(a.k.a. BellSouth SPA Telegraph) | TR-NPL-000336 |
| (C) Voice Grade
(a.k.a. BellSouth SPA DSO VG) | TR-TSY-000335
MDP 326-584 |
| (D) Program Audio
(a.k.a. BellSouth SPA Program Audio) | TR-NPL-000337 |
| (E) Broadcast Quality Video
(a.k.a. BellSouth SPA Broadcast
Quality Video) Service | TR-73608 (BellSouth) |
| (F) Uncompressed Switched Video Service
(a.k.a. BellSouth SPA Uncompressed
Switched Video) | TR-73607 (BellSouth) |
| (G) BellSouth SPA Modular Video Transport Service ⁽¹⁾ | TR-73606 (BellSouth) |

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⁽¹⁾ Effective August 25, 2011, BellSouth SPA Modular Video Transport Service is no longer available to new Customers. There is no change for existing customers.

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ACCESS SERVICE

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

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges

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

The following list identifies the individual Special Access (a.k.a. BellSouth SPA) services provided under Section 7 of this Tariff which are eligible for credit of nonrecurring charges under "Service Installation Guarantee" found in Section 2.4.9. These services are not eligible for the Service Installation Guarantee when the requested installation, move or rearrangement of service interval is four days or less, as measured from the application date of the service order.

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Voice Grade (a.k.a. BellSouth SPA DSO VG),
Program Audio (a.k.a. BellSouth SPA Program Audio),

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Digital Data Access Service (a.k.a. BellSouth SPA DSO
Digital Data),
High Capacity Service (a.k.a. BellSouth SPA High Capacity),
Dry Fiber
SMARTPath (a.k.a. BellSouth SPA DS1 Shared Ring) service,
and
SMARTPath DS3 Transport (a.k.a. BellSouth SPA DS3 Shared
Ring) service

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

BellSouth SPA CNM - FlexServ Service
Derived Data Channel (a.k.a. BellSouth SPA Derived Data)
Channel service
Video (a.k.a. BellSouth SPA Video) services

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ACCESS SERVICE

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

7.4 Rate Regulations (Cont'd)

7.4.2 Surcharge for Special Access (a.k.a. BellSouth SPA) Service (Cont'd)

(E) Application of Rates (Cont'd)

(1) (Cont'd)

<u>Special Access Service</u>	<u>Voice Grade Equivalent</u>		<u>Surcharge</u>	<u>Monthly Charge</u>
Voice Grade (a.k.a. BellSouth SPA DS0 VG)	1	X	\$25.00	\$ 25.00
DS1	24	X	\$25.00	\$600.00

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(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 no surcharge applies at the customer designated premises at which the Access Service is connected to Interstate Service.

(3) The Telephone 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 Section 7.4.2(B). The rate for the Special Access (a.k.a. BellSouth SPA) Surcharge is set forth in Section 7.5.11.

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7.4.3 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.

* Effective June 1, 1986, Special Access (a.k.a. BellSouth SPA) Message Station Equipment Recovery charges apply to WATS Access Lines (a.k.a. BellSouth SPA WATS Lines). On that date, the Telephone Company will begin to bill such charges for Special Access (a.k.a. BellSouth SPA) facilities used for WATS Access Lines (a.k.a. BellSouth SPA WATS Lines) presently in service. Payment of any message Station Equipment Recovery Charge billed on Special Access (a.k.a. BellSouth SPA) facilities used for WATS Access Lines (a.k.a. BellSouth SPA WATS Lines) in service as of June 1, 1986, may be deferred, without penalty, for up to ninety (90) days from the date of the first bill rendered for such message Station Equipment Recovery Charge.

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ACCESS SERVICE

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

7.4 Rate Regulations (Cont'd)

7.4.7 Facility Hubs (Cont'd)

Cascading channelization occurs when a high capacity (a.k.a. BellSouth SPA High Capacity) analog or digital channel is channelized to provide channels with a lesser capacity and one of the lesser capacity channels is further channelized. For example, a Supergroup facility is channelized to five Group facilities and then one of the Group facilities is further channelized to individual Voice Grade (a.k.a. BellSouth SPA DSO VG) channels.

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

Although not requiring channelization, the Telephone Company will designate certain Hubs for Program Audio (a.k.a. BellSouth SPA Program Audio) service. A customer can order full-time and/or part-time service(s) between customer designated premises and a Hub and will be billed accordingly at the rates set forth in Section 7.5.4 for the full-time or part-time service, as appropriate. (T)
At the request of a customer, the full-time and/or part-time services provided to the Hub may be connected together in the following configurations:
full-time to full-time, full-time to part-time or part-time to part-time. The customer will be charged for each such connection made at the rates for Other Labor as set forth in Section 13.2.6(C). The rates that apply for the service (T)
between each customer designated premises and the Hub are a Central Office Channel Interface, Local Channel, and Interoffice Channel, if applicable. In addition, rates for optional features and functions may be applicable.

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

Shared use occurs when Special Access (a.k.a. BellSouth SPA) service and BellSouth SWA service are provided over the same High Capacity (a.k.a. BellSouth SPA High Capacity) facilities through a common interface. (D)

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ACCESS SERVICE

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

7.4 Rate Regulations (Cont'd)

7.4.8 Shared Use Analog and Digital High Capacity (a.k.a. BellSouth SPA High Capacity) Services (Cont'd)

When the customer orders Special Access (a.k.a BellSouth SPA) Service, the facilities will be rated as Special Access (a.k.a BellSouth SPA) Service (i.e., Local Channel, Interoffice Channel, as appropriate, and Basic Channelization System and Central Office Channel Interface(s), if applicable) until such time as the customer chooses to use a portion of the available capacity for providing BellSouth SWA service. When individual channels are activated for BellSouth SWA service, the Special Access (a.k.a BellSouth SPA) Local Channel rates, Interoffice Channel rates, and Basic Channelization System rates, if applicable, will be reduced via a reduction factor. The reduction factor will be developed using the net number of BellSouth SWA services provided over a Special Access (a.k.a BellSouth SPA) Service facility at the beginning of a monthly billing period. For LightGate service (a.k.a. BellSouth SPA Point to Point Network) asynchronous systems, the reduction factor is calculated by dividing the sum of the BellSouth SWA channels by the sum of the voice grade equivalent capacity of the DS3 channels activated in a LightGate service (a.k.a. BellSouth SPA Point to Point Network) Local Channel or Interoffice Channel System. For LightGate service (a.k.a. BellSouth SPA Point to Point Network) synchronous systems, the reduction factor is calculated by dividing the sum of the BellSouth SWA channels by the sum of the equivalent voice grade (a.k.a. BellSouth SPA DSO VG) capacity of the LightGate service (a.k.a. BellSouth SPA Point to Point Network) local channel or interoffice channel system. The reduction factor for LightGate service (a.k.a. BellSouth SPA Point to Point Network) channel interface rates, DS1 local channel rates, DS1 interoffice channel rates, and multiplexer rates is developed by dividing the sum of the BellSouth SWA channels by the voice grade (a.k.a. BellSouth SPA DSO VG) equivalent capacity of the interface, channel, or multiplexer as appropriate. The reduction factor's fraction is rounded off to four decimal places and then multiplied against the appropriate monthly recurring charges to determine the reduction amount. The rates for High Capacity (a.k.a BellSouth SPA High Capacity) DS1C and DS2 ICB Service will be reduced, based on their rates and capacity (e.g., 1/12th for a group Level service, etc). For SMARTPath service (a.k.a BellSouth SPA DS1 Shared Ring), the rates will be reduced by 1/48th for each individual BellSouth SWA Channel. For SMARTPath DS3 Transport (a.k.a. BellSouth SPA DS3 Shared Ring) service, the rates will be reduced by 1/1344 for each BellSouth SWA access voice grade circuit. The customer must place an order for each individual BellSouth SWA Channel, provided over Special Access (a.k.a BellSouth SPA) service Shared Use Facilities and specify the channel assignment for each such service. (D)

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ACCESS SERVICE

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

7.4 Rate Regulations (Cont'd)

7.4.8 Shared Use Analog and Digital High Capacity (a.k.a. BellSouth SPA High Capacity) Services (Cont'd)

A factor for individual DS3 channel interfaces and 28 DS1 channel systems, will be derived by dividing the number of activated BellSouth SWA access circuits associated with the DS3 channel by the voice grade (a.k.a. BellSouth SPA DSO VG) equivalent capacity of the DS3 channel. A DS3 has 672 voice grade (a.k.a. BellSouth SPA DSO VG) equivalent channels. For DS1 channel interfaces, a factor is derived by dividing the number of BellSouth SWA access circuits associated with the DS1 channel by the voice grade (a.k.a. BellSouth SPA DSO VG) equivalent capacity of the DS1 channel, which is 24. Each reduction factor is rounded to four decimal places and then multiplied against the respective monthly charges to determine the reduction amount.

BellSouth SWA rates and charges as set forth in Section 6.8 will apply for each channel of the shared use facility that is used to provide BellSouth SWA. (T)

Where Special Access (a.k.a. BellSouth SPA) service is provided utilizing a channel(s) of the shared use facility to the Hub, High Capacity (a.k.a. BellSouth SPA High Capacity) rates and charges will apply for the portion of the facility ordered as Special Access (a.k.a. BellSouth SPA) to the Hub as set forth preceding and individual service rates and charges will apply from the Hub to the customer designated premises for the Special Access (a.k.a. BellSouth SPA) services ordered. The rates and charges that will apply to the portion from the Hub to the customer designated premises will be dependent on the specific type of Special Access (a.k.a. BellSouth SPA) service that is provided (e.g., Voice Grade (a.k.a. BellSouth SPA DSO VG), Telegraph (a.k.a. BellSouth SPA Telegraph), etc.). The applicable rates and charges will include a local channel, interoffice channel, if applicable. Rates and charges for optional features and functions associated with the service, if any, will apply as set forth in Section 7.5. (D) (T)

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ACCESS SERVICE

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

7.5 Rates and Charges (Cont'd)

7.5.6 Reserved for Future Use

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

7.5 Rates and Charges (Cont'd)

7.5.6 Reserved for Future Use (Cont'd)

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

7.5 Rates and Charges (Cont'd)

7.5.6 Reserved for Future Use (Cont'd)

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ACCESS SERVICE

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

7.5 Rates and Charges (Cont'd)

7.5.7 Reserved for Future Use

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

7.5 Rates and Charges (Cont'd)

7.5.7 Reserved for Future Use (Cont'd)

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ACCESS SERVICE

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

7.6 Individual Case Basis (ICB) Rates and Charges (Cont'd)

ALABAMA (Cont'd)

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

7.6 Individual Case Basis (ICB) Rates and Charges (Cont'd)

ALABAMA (Cont'd)

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

7.6 Individual Case Basis (ICB) Rates and Charges (Cont'd)

ALABAMA (Cont'd)

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

7.6 Individual Case Basis (ICB) Rates and Charges (Cont'd)

FLORIDA (Cont'd)

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7.6 Individual Case Basis (ICB) Rates and Charges (Cont'd)

FLORIDA (Cont'd)

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

7.6 Individual Case Basis (ICB) Rates and Charges (Cont'd)

GEORGIA (Cont'd)

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7.6 Individual Case Basis (ICB) Rates and Charges (Cont'd)

GEORGIA (Cont'd)

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7.6 Individual Case Basis (ICB) Rates and Charges (Cont'd)

GEORGIA (Cont'd)

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

7.6 Individual Case Basis (ICB) Rates and Charges (Cont'd)

NORTH CAROLINA

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ACCESS SERVICE

10 - Special Federal Government Access Services (Cont'd)

10.6 Service Offerings to the Federal Government (Cont'd)

10.6.1 Type and Description (Cont'd)

(A) Voice Grade Special Access (a.k.a. BellSouth SPA DSO VG) Services
(Cont'd)

(4) Voice Grade Secure Communications Type IV (Cont'd)

G-3 Conditioning - The absolute loss with respect to frequency and the net loss variation shall be the same in both directions of transmission as Voice Grade Secure Communications Type I services with additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

(B) Reserved for Future Use

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(C) Special Routing Access Service (SRAS)

This service provides the customer's end users, in emergency and crises situations, the ability to originate and terminate calls to or from the customer's premises utilizing a single SRAS Area Code.

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10 - Special Federal Government Access Services (Cont'd)

10.6 Service Offerings to the Federal Government (Cont'd)

10.6.4 Rates and Charges (Cont'd)

(A) Voice Grade Special Access (a.k.a. BellSouth SPA DSO VG) Service
(Cont'd)

<u>Voice Grade Secure Communications</u>	<u>USOC</u>	<u>Charges</u>
Type I, T-3 Conditioning, each	GCA++	ICB
Additional Conditioning, per service termination	GTO++	ICB
Type II, G-1 Conditioning, each	GCB++	ICB
Type III, G-2 Conditioning, each	GCC++	ICB
Additional Conditioning, per service termination	G20++	ICB
Type IV, G-3 Conditioning, each	GCD++	ICB
Additional Conditioning, per service termination	G30++	ICB

(B) Reserved for Future Use

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ACCESS SERVICE
23 – Metropolitan Statistical Area Access Services (Cont'd)

23.3 Services Available in an MSA

The following services are available in MSA's with Full or Limited Service Relief:

BellSouth SWA Dedicated Transport Services

- BellSouth SWA VG
- BellSouth SWA DSO
- BellSouth SWA DS1
- BellSouth SWA DS3
- BellSouth SWA Dedicated Ring
- BellSouth SWA Managed Shared Network Service
- BellSouth SWA Managed Shared Ring Service
- CCS7 Signaling Connection and CCS7 Signaling Termination
- Dedicated Network Access Lines (DNALs)
- BellSouth SWA SONET Transport Components
- BellSouth Wavelength SWA Dedicated Ring Service Components
- BellSouth Wavelength SWA Channel Service Components

Special Access (a.k.a. BellSouth SPA) Services⁽¹⁾

- Metallic (a.k.a. BellSouth SPA Metallic)
- Telegraph Grade (a.k.a. BellSouth SPA Telegraph)
- Voice Grade (a.k.a. BellSouth SPA VG)
- WATS Access Line (WAL) (a.k.a. BellSouth SPA WATS Lines)
- Program Audio (a.k.a. BellSouth SPA Program Audio)
- Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video)
- BellSouth SPA Modular Video Transport Service
- Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video)

- Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel)
- Digital Data Access Service (a.k.a. BellSouth SPA DSO Digital Data)
- High Capacity (a.k.a. BellSouth SPA High Capacity)
- DS1 (a.k.a. BellSouth SPA DS1)
- LightGate svc.(a.k.a. BellSouth SPA Point to Point)
- SMARTPath svc.(a.k.a. BellSouth SPA DS1 & DS3 Shared Ring)
- BellSouth Customer Network Management Service
- Dry Fiber⁽²⁾

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⁽¹⁾ Effective August 25, 2011, BellSouth SPA Modular Video Transport Service is no longer available to new Customers. There is no change for existing Customers.

⁽²⁾ Effective January 1, 2011, Dry Fiber is no longer available to new Customers. There is no change for existing Customers.

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ACCESS SERVICE

23 - Metropolitan Statistical Area Access Services (Cont'd)

23.5 Rates and Charges (Cont'd)

23.5.2 BellSouth SPA Service (Cont'd)

23.5.2.6 Reserved for Future Use

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EFFECTIVE: NOVEMBER 12, 2014

ACCESS SERVICE

23 - Metropolitan Statistical Area Access Services (Cont'd)

23.5 Rates and Charges (Cont'd)

23.5.2 BellSouth SPA Service (Cont'd)

23.5.2.6 Reserved for Future Use (Cont'd)

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ISSUED: OCTOBER 28, 2014

EFFECTIVE: NOVEMBER 12, 2014

ACCESS SERVICE

23 - Metropolitan Statistical Area Access Services (Cont'd)

23.5 Rates and Charges (Cont'd)

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ACCESS SERVICE

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