

TARIFF DISTRIBUTION

FILE PACKAGE NO.: 172

DATE: January 30, 2023

STATE: FCC

EFFECTIVE DATE: 01/01/2023

TYPE OF DISTRIBUTION: Approved

PURPOSE: Frame Relay/ATM and Program Audio Withdrawal
due to Sunset.

<u>TARIFF SECTION</u>	<u>PAGE NUMBER</u>	<u>PAGE REVISION</u>
1000	38	0005
1000	40	0004
1000	49	0002
1000	104	0002
1002	2-9.1	0003
1002	2-40	0004
1002	2-47	0003
1002	2-49	0006
1002	2-59	0003
1002	2-60	0003
1002	2-61	0003
1002	2-92	0002
1002	2-93	0002
1002	2-94	0003
1002	2-95	0002
1002	2-96	0002
1002	2-97	0001
1002	2-98	0002
1002	2-99	0008
1002	2-105	0007
1002	2-119	0003
1002	2-120	0002
1002	2-121	0005
1002	2-122	0007
1002	2-123	0003
1002	2-124	0002
1002	2-125	0002
1002	2-126	0002
1002	2-127	0002
1002	2-128	0001
1002	2-129	0001

1002	2-130	0001
1002	2-131	0001
1002	2-132	0003
1002	2-133	0001
1002	2-134	0002
1002	2-135	0003
1002	2-157	0005
1005	5-1	0001
1005	5-4	0004
1005	5-35	0001
1005	5-40	0002
1005	5-43	0002
1006	6-14	0002
1006	6-25	0001
1007	7-2	0006
1007	7-5	0003
1007	7-20	0006
1007	7-21	0003
1007	7-22	0003
1007	7-38	0006
1007	7-39	0004
1007	7-40	0004
1007	7-77	0002
1007	7-113	0008
1007	7-114.1	0002
1007	7-115	0005
1007	7-128	0004
1007	7-135	0002
1007	7-136	0003
1007	7-315	0005
1011	11-1	0001
1021	21-1	0002
1021	21-2	0001
1021	21-3	0001
1021	21-4	0001
1021	21-5	0001
1021	21-6	0001
1021	21-7	0001
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1021	21-105	0001
1021	21-106	0001
1021	21-107	0001
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1021	21-109	0001
1021	21-110	0001

1021
1023

21-111
23-7

0001
0004

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

Issuing Officer: Kristen E. Shore, Assistant Vice President - Regulatory

ACCESS SERVICE
 CHECK SHEET

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.

<u>Page</u>	<u>Number of Revision Except as Indicated</u>	<u>Page</u>	<u>Number of Revision Except as Indicated</u>	<u>Page</u>	<u>Number of Revision Except as Indicated</u>
Title	1st	44	2nd	88	1st
1	149th*	45	1st	89	1st
2	33rd*	46	1st	90	1st
3	79th*	47	2nd	91	1st
4	14th*	48	4th	92	1st
5	17th	49	2nd*	93	2nd
6	33rd*	50	2nd	94	1st
7	27th*	51	1st	95	1st
8	34th*	52	1st	96	1st
9	1st	53	1st	97	1st
10	10th	54	1st	98	1st
11	11th*	55	Original	99	1st
12	15th	56	20th	100	1st
12.1	1st	57	Original	101	2nd
13	21st*	58	2nd	102	2nd
14	12th	59	2nd	103	2nd
15	18th	60	1st	104	2nd*
16	12th	61	1st	105	Original
17	3rd	62	1st	106	2nd
18	8th	63	1st	107	1st
19	1st	64	1st	108	1st
20	Original	65	1st	109	Original
21	Original	66	1st	110	1st
22	8th	67	1st	111	Original
23	12th	68	1st	112	Original
23.1	5th	69	1st	113	Original
23.2	Original	70	1st	114	Original
24	1st	71	1st	115	Original
25	3rd	72	1st	116	Original
26	2nd	73	1st	117	1st
27	2nd	74	1st	118	Original
28	1st	75	2nd	119	Original
29	2nd	76	2nd	120	Original
30	1st	77	1st	121	Original
31	1st	78	1st	122	Original
32	2nd	79	1st	123	Original
33	2nd	80	2nd	124	Original
34	5th	81	1st	125	Original
35	1st	82	1st	126	Original
36	1st	83	1st	127	Original
37	2nd	84	2nd	128	Original
38	5th*	85	1st	129	Original
39	2nd	86	2nd	130	Original
40	4th*	87	1st	131	Original
41	3rd				
42	1st				
43	1st				

(This page filed under Transmittal No. 172)

* New or Revised Page

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

CHECK SHEET

<u>Page</u>	<u>Number of Revision Except as Indicated</u>	<u>Page</u>	<u>Number of Revision Except as Indicated</u>	<u>Page</u>	<u>Number of Revision Except as Indicated</u>
132	Original	2-31.1	1st	2-78	6th
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	4th*	2-87	Original
142	Original	2-41	1st	2-88	Original
143	Original	2-42	Original	2-89	6th
144	Original	2-43	Original	2-89-1	Original
145	Original	2-44	Original	2-90	2nd
146	Original	2-45	Original	2-91	2nd
147	Original	2-46	Original	2-92	2nd*
1-1	1st	2-47	3rd*	2-93	2nd*
2-1	Original	2-48	Original	2-94	3rd*
2-2	Original	2-49	6th*	2-95	2nd*
2-3	Original	2-50	1st	2-96	2nd*
2-4	1st	2-51	Original	2-97	1st*
2-5	Original	2-52	1st	2-98	2nd*
2-6	Original	2-53	Original	2-99	8th*
2-7	Original	2-54	Original	2-100	1st
2-8	Original	2-55	Original	2-101	Original
2-9	Original	2-56	3rd	2-102	Original
2-9.1	3rd*	2-57	Original	2-103	Original
2-10	Original	2-58	Original	2-104	2nd
2-11	Original	2-59	3rd*	2-105	7th*
2-12	Original	2-60	3rd*	2-106	Original
2-13	Original	2-61	3rd*	2-107	Original
2-14	Original	2-62	Original	2-108	Original
2-15	Original	2-62.1	Original	2-109	1st
2-16	1st	2-63	1st	2-110	Original
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	3rd*
2-26	Original	2-73	Original	2-120	2nd*
2-27	Original	2-74	Original	2-121	5th*
2-28	Original	2-75	Original	2-122	7th*
2-29	1st	2-76	Original	2-123	3rd*
2-30	1st	2-77	Original	2-124	2nd*
2-31	1st			2-125	2nd*

(This page filed under Transmittal No. 172)

* New or Revised Page

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
 CHECK SHEET

<u>Page</u>	<u>Number of Revision Except as Indicated</u>	<u>Page</u>	<u>Number of Revision Except as Indicated</u>	<u>Page</u>	<u>Number of Revision Except as Indicated</u>
6-1	7th	6-25.14	Original	6-63	3rd
6-2	4th	6-25.15	Original	6-64	6th
6-3	7th	6-25.16	Original	6-65	4th
6-3.1	1st	6-26	9th	6-66	3rd
6-4	7th	6-27	11th	6-67	3rd
6-5	4th	6-27.0.1	Original	6-68	3rd
6-6	7th	6-27.1	9th	6-69	6th
6-7	16th	6-27.2	2nd	6-70	2nd
6-7.1	Original	6-27.3	2nd	6-71	3rd
6-8	13th	6-27.4	Original	6-72	3rd
6-9	7th	6-28	15th	6-73	4th
6-10	5th	6-28.1	5th	6-74	7th
6-11	9th	6-29	10th	6-75	7th
6-11.1	7th	6-30	4th	6-75.1	10th
6-11.2	5th	6-31	4th	6-75.2	8th
6-11.3	2nd	6-32	4th	6-75.3	3rd
6-11.4	4th	6-33	5th	6-75.4	4th
6-12	5th	6-34	5th	6-75.5	2nd
6-12.1	6th	6-34.1	4th	6-75.6	1st
6-13	7th	6-35	4th	6-75.7	1st
6-14	6th	6-36	6th	6-75.8	2nd
6-15	5th	6-37	5th	6-75.9	3rd
6-16	5th	6-38	5th	6-75.9.1	Original
6-17	5th	6-39	5th	6-75.10	6th
6-18	5th	6-40	4th	6-75.10.1	1st
6-18.1	7th	6-41	6th	6-75.11	3rd
6-19	6th	6-42	5th	6-75.12	3rd
6-20	6th	6-43	5th	6-75.13	4th
6-21	7th	6-44	5th	6-75.14	3rd
6-22	10th	6-45	7th	6-75.15	1st
6-22.1	5th	6-46	10th	6-75.16	1st
6-23	4th	6-47	8th	6-75.17	Original
6-23.1	3rd	6-48	9th	6-75.18	1st
6-24	7th	6-49	11th	6-75.19	Original
6-25	10th	6-50	9th	6-75.20	Original
6-25.1	7th	6-51	8th	6-75.21	Original
6-25.2	4th	6-52	9th	6-75.22	1st
6-25.3	11th	6-52.0.1	Original	6-75.22.1	Original
6-25.3.0.1	Original*	6-52.1	5th	6-75.23	4th
6-25.3.1	2nd	6-53	7th	6-75.24	2nd
6-25.4	3rd	6-53.1	5th	6-75.24.1	Original
6-25.5	3rd	6-54	6th	6-75.25	Original
6-25.6	4th	6-55	9th	6-75.26	Original
6-25.7	2nd	6-56	1st	6-76	6th
6-25.8	Original	6-57	5th	6-77	6th
6-25.9	1st	6-58	3rd	6-77.1	5th
6-25.10	2nd	6-58.1	1st	6-78	6th
6-25.10.1	3rd	6-59	4th	6-78.1	3rd
6-25.11	Original	6-60	5th	6-79	6th
6-25.12	Original	6-61	3rd		
6-25.13	Original	6-62	5th		

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
 CHECK SHEET

<u>Page</u>	<u>Number of Revision Except as Indicated</u>	<u>Page</u>	<u>Number of Revision Except as Indicated</u>	<u>Page</u>	<u>Number of Revision Except as Indicated</u>
6-5	1st	6-51	Original	6-97	Original
6-6	Original	6-52	Original	6-98	1st
6-7	2nd	6-53	Original	6-99	Original
6-8	2nd	6-54	1st	6-100	1st
6-9	1st	6-55	3rd	6-101	Original
6-10	2nd	6-56	2nd	6-102	1st
6-11	Original	6-57	Original	6-103	Original
6-12	Original	6-58	Original	6-104	1st
6-13	1st	6-59	Original	6-105	Original
6-14	2nd*	6-60	Original	6-106	Original
6-15	Original	6-61	Original	6-107	1st
6-16	Original	6-62	Original	6-108	1st
6-17	1st	6-63	Original	6-109	1st
6-18	1st	6-64	1st	6-110	1st
6-19	1st	6-65	Original	6-111	1st
6-20	1st	6-66	Original	6-112	1st
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6-22	Original	6-68	Original	6-114	1st
6-23	Original	6-69	Original	6-115	Original
6-24	Original	6-70	Original	6-116	Original
6-25	1st*	6-71	Original	6-117	2nd
6-26	1st	6-72	1st	6-118	Original
6-27	1st	6-73	Original	6-119	1st
6-28	1st	6-74	Original	6-120	1st
6-29	1st	6-75	2nd	6-121	2nd
6-30	1st	6-76	2nd	6-122	2nd
6-31	Original	6-77	2nd	6-123	Original
6-32	Original	6-78	2nd	6-124	Original
6-33	Original	6-79	2nd	6-125	Original
6-34	1st	6-80	2nd	6-126	Original
6-35	Original	6-81	Original	6-127	Original
6-36	Original	6-82	1st	6-128	Original
6-37	Original	6-83	Original	6-129	Original
6-38	Original	6-84	Original	6-130	Original
6-39	Original	6-85	3rd	6-131	Original
6-40	Original	6-86	1st	6-132	1st
6-41	Original	6-87	Original	6-133	1st
6-42	Original	6-88	1st	6-134	1st
6-43	1st	6-89	1st	6-135	1st
6-44	1st	6-90	2nd	6-136	1st
6-45	Original	6-91	1st	6-137	1st
6-46	1st	6-92	3rd	6-138	Original
6-47	Original	6-93	2nd	6-139	1st
6-48	Original	6-94	2nd	6-140	Original
6-49	Original	6-95	Original	6-141	3rd
6-50	Original	6-96	Original	6-142	2nd

(This page filed under Transmittal No. 172)

* New or Revised Page

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
 CHECK SHEET

<u>Page</u>	<u>Number of Revision Except as Indicated</u>	<u>Page</u>	<u>Number of Revision Except as Indicated</u>	<u>Page</u>	<u>Number of Revision Except as Indicated</u>
6-290	Original	6-339	1st	7-7	1st
6-291	1st	6-340	1st	7-8	3rd
6-292	1st	6-341	1st	7-9	Original
6-293	1st	6-342	Original	7-10	2nd
6-294	1st	6-343	2nd	7-11	2nd
6-295	1st	6-344	2nd	7-12	Original
6-296	1st	6-345	2nd	7-13	Original
6-297	1st	6-346	2nd	7-14	Original
6-298	1st	6-347	2nd	7-15	Original
6-299	1st	6-348	2nd	7-16	Original
6-300	1st	6-349	2nd	7-17	Original
6-301	1st	6-350	2nd	7-18	Original
6-302	1st	6-351	2nd	7-19	Original
6-303	1st	6-352	2nd	7-20	6th*
6-304	1st	6-353	2nd	7-21	3rd*
6-305	1st	6-354	2nd	7-22	3rd*
6-306	1st	6-355	2nd	7-23	2nd
6-307	1st	6-356	12th	7-24	2nd
6-308	1st	6-357	1st	7-25	4th
6-309	1st	6-358	1st	7-26	3rd
6-310	1st	6-359	2nd	7-27	3rd
6-311	1st	6-360	Original	7-28	3rd
6-312	1st	6-361	3rd	7-29	3rd
6-313	1st	6-362	3rd	7-30	3rd
6-314	1st	6-363	3rd	7-31	3rd
6-315	1st	6-364	3rd	7-32	4th
6-316	1st	6-365	3rd	7-33	1st
6-317	1st	6-366	3rd	7-34	3rd
6-318	1st	6-367	3rd	7-35	4th
6-319	1st	6-368	3rd	7-36	4th
6-320	1st	6-369	1st	7-37	3rd
6-321	1st	6-370	3rd	7-38	6th*
6-322	1st	6-371	3rd	7-39	4th*
6-323	1st	6-372	1st	7-40	4th*
6-324	Original	6-373	Original	7-41	2nd
6-325	Original	6-374	Original	7-42	2nd
6-326	Original	6-375	2nd	7-43	2nd
6-327	Original	6-376	1st	7-44	2nd
6-328	1st	6-377	1st	7-45	Original
6-329	1st	6-378	1st	7-46	3rd
6-330	1st	6-379	2nd	7-47	Original
6-331	1st	6-380	1st	7-48	Original
6-332	Original	6-381	1st	7-49	2nd
6-333	Original	7-1	1st	7-50	2nd
6-334	Original	7-2	6th*	7-51	2nd
6-335	Original	7-3	Original	7-52	1st
6-336	Original	7-4	2nd	7-53	1st
6-337	1st	7-5	3rd*	7-54	Original
6-338	1st	7-6	Original	7-55	1st

(This page filed under Transmittal No. 172)

* New or Revised Page

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
 CHECK SHEET

<u>Page</u>	<u>Number of Revision Except as Indicated</u>	<u>Page</u>	<u>Number of Revision Except as Indicated</u>	<u>Page</u>	<u>Number of Revision Except as Indicated</u>
7-56	1st	7-105	Original	7-154	Original
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	3rd	7-110	1st	7-159	1st
7-62	1st	7-111	Original	7-160	1st
7-63	Original	7-112	Original	7-161	Original
7-64	1st	7-113	8th*	7-162	1st
7-65	2nd	7-114	4th	7-163	1st
7-66	2nd	7-114.1	2nd*	7-164	1st
7-67	2nd	7-115	5th*	7-165	1st
7-68	1st	7-116	Original	7-166	1st
7-69	Original	7-117	2nd	7-167	1st
7-70	Original	7-118	Original	7-168	1st
7-71	Original	7-119	Original	7-169	1st
7-72	Original	7-120	1st	7-170	2nd
7-73	Original	7-121	1st	7-171	3rd
7-74	Original	7-122	2nd	7-172	3rd
7-75	Original	7-123	Original	7-173	3rd
7-76	2nd	7-124	Original	7-174	1st
7-77	2nd*	7-125	Original	7-175	3rd
7-78	3rd	7-126	Original	7-176	1st
7-79	1st	7-127	2nd	7-177	3rd
7-80	Original	7-128	4th*	7-178	1st
7-81	1st	7-129	Original	7-179	1st
7-82	2nd	7-130	2nd	7-180	4th
7-83	1st	7-131	Original	7-181	2nd
7-84	1st	7-132	1st	7-182	2nd
7-85	Original	7-133	Original	7-183	2nd
7-86	Original	7-134	Original	7-184	2nd
7-87	Original	7-135	2nd*	7-185	2nd
7-88	2nd	7-136	3rd*	7-186	2nd
7-89	2nd	7-137	3rd	7-187	Original
7-90	2nd	7-138	Original	7-188	Original
7-91	2nd	7-139	1st	7-189	Original
7-92	2nd	7-140	Original	7-190	3rd
7-93	2nd	7-141	Original	7-191	3rd
7-94	2nd	7-142	Original	7-192	Original
7-95	2nd	7-143	Original	7-193	2nd
7-96	2nd	7-144	Original	7-194	1st
7-97	2nd	7-145	Original	7-195	1st
7-98	1st	7-146	Original	7-196	1st
7-99	1st	7-147	1st	7-197	1st
7-100	1st	7-148	Original	7-198	1st
7-101	1st	7-149	Original	7-199	1st
7-102	Original	7-150	Original	7-200	1st
7-103	Original	7-151	Original	7-201	3rd
7-104	Original	7-152	Original	7-202	4th
		7-153	Original		

(This page filed under Transmittal No. 172)

* New or Revised Page

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
 CHECK SHEET

<u>Page</u>	<u>Number of Revision Except as Indicated</u>	<u>Page</u>	<u>Number of Revision Except as Indicated</u>	<u>Page</u>	<u>Number of Revision Except as Indicated</u>
7-203	3rd	7-250	4th	7-297	Original
7-204	1st	7-251	1st	7-298	Original
7-205	1st	7-252	1st	7-299	3rd
7-206	1st	7-253	Original	7-300	3rd
7-207	9th	7-254	1st	7-301	3rd
7-208	3rd	7-255	1st	7-302	3rd
7-209	3rd	7-256	Original	7-303	3rd
7-210	4th	7-257	Original	7-304	3rd
7-211	4th	7-258	Original	7-305	3rd
7-212	4th	7-259	Original	7-306	3rd
7-213	3rd	7-260	Original	7-307	3rd
7-214	3rd	7-261	Original	7-308	3rd
7-215	3rd	7-262	Original	7-309	1st
7-216	3rd	7-263	4th	7-310	3rd
7-217	3rd	7-264	4th	7-311	3rd
7-218	4th	7-265	4th	7-312	Original
7-219	3rd	7-266	3rd	7-313	3rd
7-220	3rd	7-267	4th	7-314	3rd
7-221	3rd	7-268	4th	7-315	5th*
7-222	3rd	7-269	3rd	7-316	Original
7-223	2nd	7-270	4th	7-317	Original
7-224	2nd	7-271	4th	7-318	1st
7-225	Original	7-272	3rd	7-319	6th
7-226	Original	7-273	3rd	7-320	4th
7-227	Original	7-274	3rd	7-321	3rd
7-228	Original	7-275	1st	7-322	3rd
7-229	2nd	7-276	1st	7-323	Original
7-230	1st	7-277	1st	7-324	Original
7-231	1st	7-278	1st	7-325	Original
7-232	1st	7-279	1st	7-326	2nd
7-233	1st	7-280	Original	7-327	2nd
7-234	1st	7-281	3rd	7-328	2nd
7-235	1st	7-282	3rd	7-329	2nd
7-236	1st	7-283	3rd	7-330	2nd
7-237	7th	7-284	4th	7-331	2nd
7-238	7th	7-285	3rd	7-332	Original
7-239	7th	7-286	3rd	7-333	2nd
7-240	7th	7-287	3rd	7-334	2nd
7-241	1st	7-288	Original	7-335	1st
7-242	2nd	7-289	Original	7-336	1st
7-243	3rd	7-290	Original	7-337	1st
7-244	1st	7-291	Original	7-338	1st
7-245	5th	7-292	Original	7-339	1st
7-246	4th	7-293	Original	7-340	1st
7-247	4th	7-294	Original	7-341	1st
7-248	Original	7-295	Original	7-342	1st
7-249	2nd	7-296	Original	7-343	1st

(This page filed under Transmittal No. 172)

* New or Revised Page

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
 CHECK SHEET

<u>Page</u>	<u>Number of Revision Except as Indicated</u>	<u>Page</u>	<u>Number of Revision Except as Indicated</u>	<u>Page</u>	<u>Number of Revision Except as Indicated</u>
10-7	1st	11-6	Original	12-41	Original
10-8	1st	11-7	Original	12-42	Original
10-9	Original	11-8	Original	12-43	Original
10-10	Original	11-9	Original	12-44	Original
10-11	2nd	11-10	Original	12-45	Original
10-12	Original	11-11	Original	12-46	Original
10-13	Original	11-12	Original	12-47	Original
10-14	Original	11-13	Original	12-48	Original
10-15	Original	11-14	Original	12-49	Original
10-16	Original	12-1	Original	12-50	Original
10-17	Original	12-2	1st	12-51	Original
10-18	Original	12-3	Original	12-52	Original
10-19	2nd	12-4	Original	12-53	Original
10-20	Original	12-5	Original	12-54	Original
10-21	2nd	12-6	Original	12-55	Original
10-22	Original	12-7	Original	12-56	Original
10-23	Original	12-8	Original	12-57	Original
10-24	1st	12-9	Original	12-58	Original
10-25	Original	12-10	Original	12-59	Original
10-26	Original	12-11	Original	12-60	Original
10-27	2nd	12-12	Original	12-61	Original
10-28	2nd	12-13	Original	12-62	Original
10-29	2nd	12-14	Original	12-63	Original
10-30	Original	12-15	1st	12-64	Original
10-31	2nd	12-16	Original	12-65	Original
10-32	2nd	12-17	Original	12-66	Original
10-33	2nd	12-18	Original	12-67	Original
10-34	Original	12-19	Original	12-68	Original
10-35	2nd	12-20	Original	12-69	Original
10-36	2nd	12-21	Original	12-70	Original
10-37	2nd	12-22	Original	12-71	Original
10-38	Original	12-23	Original	12-72	Original
10-39	Original	12-24	Original	12-73	Original
10-40	Original	12-25	Original	12-74	Original
10-41	Original	12-26	Original	12-75	Original
10-42	Original	12-27	Original	13-1	2nd
10-43	Original	12-28	Original	13-2	2nd
10-44	Original	12-29	Original	13-3	2nd
10-45	Original	12-30	Original	13-4	2nd
10-46	Original	12-31	Original	13-5	2nd
10-47	Original	12-32	1st	13-6	2nd
10-48	1st	12-33	Original	13-7	2nd
10-49	Original	12-34	Original	13-8	Original
10-50	Original	12-35	Original	13-9	Original
11-1	1st*	12-36	Original	13-10	Original
11-2	1st	12-37	Original	13-11	Original
11-3	1st	12-38	Original	13-12	Original
11-4	Original	12-39	Original	13-13	Original
11-5	Original	12-40	Original	13-14	Original

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
 CHECK SHEET

<u>Page</u>	<u>Number of Revision Except as Indicated</u>	<u>Page</u>	<u>Number of Revision Except as Indicated</u>	<u>Page</u>	<u>Number of Revision Except as Indicated</u>
20-9	1st	21-37	1st*	21-83	1st*
20-10	1st	21-38	1st*	21-84	1st*
20-11	1st	21-39	1st*	21-85	1st*
20-12	1st	21-40	1st*	21-86	1st*
20-13	1st	21-41	1st*	21-87	1st*
20-14	1st	21-42	1st*	21-88	1st*
20-15	1st	21-43	1st*	21-89	1st*
20-16	1st	21-44	1st*	21-90	1st*
20-17	1st	21-45	1st*	21-91	1st*
20-18	1st	21-46	1st*	21-92	1st*
21-1	2nd*	21-47	1st*	21-93	1st*
21-2	1st*	21-48	1st*	21-94	1st*
21-3	1st*	21-49	1st*	21-95	1st*
21-4	1st*	21-50	1st*	21-96	1st*
21-5	1st*	21-51	1st*	21-97	1st*
21-6	1st*	21-52	1st*	21-98	1st*
21-7	1st*	21-53	1st*	21-99	1st*
21-8	1st*	21-54	1st*	21-100	1st*
21-9	1st*	21-55	1st*	21-101	1st*
21-10	1st*	21-56	1st*	21-102	1st*
21-11	1st*	21-57	1st*	21-103	1st*
21-12	1st*	21-58	1st*	21-104	1st*
21-13	1st*	21-59	1st*	21-105	1st*
21-14	1st*	21-60	1st*	21-106	1st*
21-15	1st*	21-61	1st*	21-107	1st*
21-16	1st*	21-62	1st*	21-108	1st*
21-17	1st*	21-63	1st*	21-109	1st*
21-18	1st*	21-64	1st*	21-110	1st*
21-19	1st*	21-65	1st*	21-111	1st*
21-20	1st*	21-66	1st*	22-1	2nd
21-21	1st*	21-67	1st*	22-2	2nd
21-22	1st*	21-68	1st*	22-3	2nd
21-23	1st*	21-69	1st*	23-1	2nd
21-24	1st*	21-70	1st*	23-2	1st
21-25	1st*	21-71	1st*	23-3	Original
21-26	1st*	21-72	1st*	23-4	14th
21-27	1st*	21-73	1st*	23-5	3rd
21-28	1st*	21-74	1st*	23-6	Original
21-29	1st*	21-75	1st*	23-7	4th*
21-30	1st*	21-76	1st*	23-8	Original
21-31	1st*	21-77	1st*	23-9	2nd
21-32	1st*	21-78	1st*	23-10	2nd
21-33	1st*	21-79	1st*	23-11	2nd
21-34	1st*	21-80	1st*	23-12	2nd
21-35	1st*	21-81	1st*	23-13	2nd
21-36	1st*	21-82	1st*	23-14	2nd

(This page filed under Transmittal No. 172)

* New or Revised Page

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
 TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
7. <u>SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE</u> (Cont'd)	
7.2 <u>Service Descriptions</u> (Cont'd)	
7.2.4 Program Audio ⁽¹⁾ (a.k.a. BellSouth SPA	(N) Program
7.2.5 Video (a.k.a. BellSouth SPA Video) Services	7-41
7.2.6 Reserved for Future Use	7-57
7.2.7 Reserved for Future Use	7-59
7.2.8 Digital Data (a.k.a. BellSouth SPA DSO Digital Data) Access Service	7-61
7.2.9 High Capacity (a.k.a. BellSouth SPA High Capacity) Service	7-67
7.2.10 Dry Fiber	7-81
7.2.11 Self Healing Rings	7-82
7.2.12 Derived Data Channel (a.k.a. BellSouth SPA Derived Data Channel) Service	7-82
7.2.13 SMARTPath Service (a.k.a. BellSouth SPA DS1 Shared Ring)	7-84
7.2.14 SMARTPath DS3 Transport Service (a.k.a. BellSouth SPA DS3 Shared Ring)	7-85
7.2.15 Reserved for Future Use	7-88
7.3 <u>Channel Interface and Network Channel Codes</u>	7-102
7.3.1 Glossary of Channel Interface Codes and Options	7-102
7.3.2 Impedance	7-110
7.3.3 Digital Hierarchy Channel Interface Codes (4DSX++)	7-110
7.3.4 Service Designator/Network Channel Code Conversion Table	7-111
7.3.5 Compatible Channel Interfaces	7-113
7.4 <u>Rate Regulations</u>	7-114
7.4.1 Types of Rates and Charges	7-114
7.4.2 Surcharge for Special Access (a.k.a. BellSouth SPA) Service	7-124
7.4.3 Message Station Equipment Recovery Charge	7-127
7.4.4 Minimum Periods	7-128
7.4.5 Moves	7-129
7.4.6 Mileage Measurement	7-131
7.4.7 Facility Hubs	7-135

⁽¹⁾ Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238).

(N)
(N)

(This page filed under Transmittal No. 172)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
7. <u>SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE</u> (Cont'd)	
7.4 <u>Rate Regulations</u> (Cont'd)	
7.4.18 SMARTPath Service (a.k.a. BellSouth SPA Shared Ring)	7-175
7.4.19 Reserved for Future Use	7-178
7.4.20 Voice Grade (a.k.a. BellSouth SPA DSO VG) Service	7-180
7.4.21 Reserved for Future Use	7-182
7.4.22 Uncompressed Switched Video (a.k.a. BellSouth SPA Uncompressed Switched Video) Service	7-187
7.4.23 Reserved for Future Use	7-190
7.4.24 Reserved for Future Use	7-191
7.4.25 Zone Pricing- Special Access (a.k.a. BellSouth SPA) Service	7-192
7.4.26 Reserved for Future Use	
7.4.27 BellSouth SPA Modular Video Transport Service	7-199
7.4.28 BellSouth DS1 Diverse Service	7-200
7.4.29 Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video) Service	7-201
7.5 <u>Rates and Charges</u>	7-203
7.5.1 Metallic (a.k.a. BellSouth SPA Metallic) Service	7-203
7.5.2 Telegraph Grade (a.k.a. BellSouth SPA Telegraph) Service	7-205
7.5.3 Voice Grade (a.k.a. BellSouth SPA DSO VG) Service	7-207
7.5.4 Program Audio ⁽¹⁾ (a.k.a. BellSouth SPA Program Audio) Service	7-215 (N)
7.5.5 Video (a.k.a. BellSouth SPA Video) Services	7-221

⁽¹⁾ Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238).

(N)
(N)

(This page filed under Transmittal No. 172)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
 TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>	
20. <u>BELLSOUTH EXPANDED INTERCONNECTION SERVICE</u>	20-1	
20.1 <u>BellSouth Virtual Expanded Interconnection Service</u>	20-1	
20.1.1 Service Description	20-1	
20.1.2 Regulations	20-1	
20.1.3 Limitations	20-4	
20.1.4 Service Application	20-6	
20.1.5 Service Activation	20-7	
20.1.6 Training	20-8	
20.1.7 Inspections	20-8	
20.1.8 Reserved For Future Use	20-8	
20.1.9 Maintenance	20-9	
20.1.10 Liability and Damages	20-9	
20.1.11 Confidential Information	20-13	
20.1.12 Title	20-13	
20.1.13 Force Majeure	20-13	
20.1.14 Rate Regulations	20-14	
20.2 <u>Rates and Charges</u>	20-17	
20.2.1 BellSouth Virtual Expanded Interconnection Service	20-17	
21. <u>Fast Packet Access Services⁽¹⁾</u>	21-1	(N)
21.1 <u>Application Testing</u>	21-1	
21.2 <u>Exchange Access Frame Relay Service</u>	21-4	
21.2.1 General Description	21-4	
21.2.2 Service Description	21-8	
21.2.3 Technical Specifications	21-17	
21.2.4 Interface Specifications	21-18	
21.2.5 Acceptance Testing	21-18	
21.2.6 Ordering Options and Conditions	21-18	
21.2.7 Minimum Period of Service	21-18	
21.2.8 Rate Regulations	21-18	
21.2.9 Rate Categories	21-20	
21.2.10 Rates and Charges	21-31	

⁽¹⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120). (N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

EXPLANATION OF SYMBOLS

- C - To signify changed regulation
- D - To signify discontinued rate or regulation
- I - To signify increase
- M - To signify matter relocated without change
- N - To signify new rate or regulation
- R - To signify reduction
- S - To signify reissued matter
- T - To signify a change in text but no change in rate or regulation
- Z - To signify a correction

EXPLANATION OF ABBREVIATIONS

- ac - alternating current
- ACNA - Access Carrier Name Abbreviation
- ACTL - Access Carrier Terminal Location
- AML - Actual Measured Loss
- ANI - Automatic Number Identification
- AP - Program Audio⁽¹⁾ (N)
- ASR - Access Service Request
- ATP - Access Transport Parameter
- AT&T-C - AT&T Communications
- BAN - Billing Account Number
- BCLID - Bulk Calling Line Information Delivery
- BD - Business Day
- BHMC - Busy Hour Minutes of Capacity
- BOC - Bell Operating Company
- BSA - BellSouth SWA Basic Serving Arrangement
- BSE - Basic Service Element
- CAROT - Centralized Automatic Reporting on Trunks
- CCSAC - BellSouth SWA Common Channel Signaling Access Capability
- CI - Channel Interface
- CN - Charge Number
- CO - Central Office
- COCTX - Central Office Centrex
- Cont'd - Continued
- CPE - Customer Provided Equipment
- CPN - Calling Party Number
- CSP - Carrier Selection Parameter
- CSPP - Channel Services Payment Plan
- Ctx - Centrex
- DA - BellSouth Directory Assistance
- DADAS - BellSouth Direct Access to Directory Assistance Service
- dB - decibel
- dBm0 - Decibel (s) Relative to 1 Milliwatt at 0 TLP
- dBrnC - Decibel Reference Noise C-Message Weighting
- dBrnC0 - Decibel Reference Noise C-Message Weighted 0

⁽¹⁾ Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238). (N)
(N)

(This page filed under Transmittal No. 172)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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>	
-Metallic (aka BellSouth SPA Metallic) Service	7.2.1	
-Telegraph Grade (aka BellSouth SPA Telegraph) Service	7.2.2	
-Voice Grade (aka BellSouth SPA DSO VG) Service	7.2.3	
-Program Audio ⁽¹⁾ (aka BellSouth SPA Program Audio) Service	7.2.4	(N)
-Digital Data Access (aka BellSouth SPA DSO Digital Data) Service	7.2.8	
-High Capacity (aka BellSouth SPA High Capacity) Service (at 64.0 kbps, 3.152 and 6.312 Mbps)	7.2.9	
-Derived Data Channel (aka BellSouth SPA Derived Data Channel) Service	7.2.12	

Effective Date Wire Center Exchange Other Information

(1) Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238).

(N)
(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
2 - General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

(I) (Cont'd)

- This payment arrangement is not available for Daily Program Audio⁽¹⁾ (a.k.a. BellSouth SPA Program Audio) and Daily Video (a.k.a. BellSouth SPA Video). (N)
- If the customer fails to make any of the payments on the payment due date as set forth in 2.4.1(B)(3)(a) preceding, late payment charges as specified in 2.4.1(B)(3)(b) preceding will apply.

(J) When utility or telecommunications assessments, franchise fees, or privilege, license, occupational, excise, or other similar taxes or fees, based on interstate receipts are imposed by certain taxing jurisdictions upon the Telephone Company, the amounts of such taxes or fees will be billed to Customers in such a taxing jurisdiction on a prorated basis except where such Customers are exempt from the tax. The amount of charge that is prorated to each Customer's bill is determined by the interstate telecommunications services provided to and billed to a Customer service location in such a taxing jurisdiction with the aggregate of such charges equal to the amount of the tax or fee imposed upon or passed on to the Telephone Company. The taxing jurisdictions in which the charges will be applicable are:

<u>Jurisdiction</u>	<u>Tax Factors</u>
State of Kentucky (Gross Revenues Tax Surcharge)	1.31%
South Carolina municipalities listed below	1%
Aiken	
Allendale	
Anderson	
Arcadia Lakes	
Bamberg	
Barnwell	
Batesburg/Leesville	
Belton	
Bennettsville	
Blacksburg	
Blackville	
Blenheim	
Blythewood	
Burnettown	
Calhoun Falls	
Camden	
Carlisle	
Cayce	
Central	
Central Pacolet	
Chapin	

(1) Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238). (N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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

In case of an interruption to any service, allowance for the period of interruption, if not due to the negligence of the customer, shall be as follows:

- (1) For BellSouth SWA Dedicated Interoffice Channels, Channelization Equipment and Switched Local Channels, Dedicated End Office Trunk Port Service and Dedicated Tandem Trunk Port Service Special Access (a.k.a. BellSouth SPA) services other than BellSouth Dedicated Ring, SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring), and SMARTPath DS3 Transport service (a.k.a. BellSouth SPA DS3 Shared Ring), LightGate service (a.k.a. BellSouth SPA Point to Point Network), DS1 (a.k.a. BellSouth SPA DS1) service, BellSouth DS1 Diverse Service, Program Audio⁽¹⁾ (a.k.a. BellSouth SPA Program Audio), Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video) services, Intra-Office Collocation Cross Connect Service, Physical Access Cross Connect Service and Virtual Access Cross Connect Service, no credit shall be allowed for an interruption of less than 30 minutes. The customer shall be credited for an interruption of 30 minutes or more at the rate of 1/1440 of the monthly charges for the facility or service for each period of 30 minutes or major fraction thereof that the interruption continues. (N)

The credits will apply no more than once per month and the total of all credits, including those provided in other sections of this Tariff, shall not exceed the monthly rate for the service. The monthly charges used to determine the credit shall be as follows:

- (a) The monthly charge shall be the total of all the monthly rate element charges associated with the highest level inoperative channelized service:
For BellSouth SWA Transport: BellSouth SWA Local Channel, Dedicated End Office Trunk Port Service and Dedicated Tandem Trunk Port Service, BellSouth SWA Dedicated Interoffice Channel, Channelization Equipment (if applicable) and any Optional Features and Functions.
For Special (a.k.a. BellSouth SPA) two-point services: two Local Channels, Interoffice Channel and Optional Features and Functions.
- (b) For multipoint services, the monthly charge shall be only the total of all the monthly rate element charges associated with the highest level channelized service for that portion of the service that is inoperative (i.e., a local channel per customer premises, interoffice channel and optional features and functions).
- (c) For Special Access (a.k.a. BellSouth SPA) channelized services, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the highest level channelized service that is inoperative.

⁽¹⁾ Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238). (N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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) For Program Audio⁽¹⁾ (a.k.a. BellSouth SPA Program Audio) and Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video) Special Access services (a.k.a. BellSouth SPA), no credit shall be allowed for an interruption of less than 30 seconds. The customer shall be credited for an interruption of 30 seconds or more as follows: (N)
- (a) For two-point services, when monthly rates are applicable, the credit shall be at the rate of 1/8640 of the monthly charges for the service for each period of 5 minutes or major fraction thereof that the interruption continues.
 - (b) For two-point services, when daily rates are applicable, the credit shall be at the rate of 1/288 of the daily charges for the service for each period of 5 minutes or major fraction thereof that the interruption continues.
 - (c) For multipoint services, when monthly rates are applicable, the credit shall be at the rate of 1/8640 of the monthly charges for all channel terminations, channel mileages and optional features and functions that are inoperative for each period of 5 minutes or major fraction thereof that the interruption continues.

⁽¹⁾ Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238).

(N)
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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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)

(15) For Fast Packet Access Services,⁽¹⁾⁽²⁾ a service is considered interrupted when it becomes unusable to the customer because of a failure of a facility component used to furnish service under this tariff. An interruption period starts when the customer reports the interruption to the Telephone Company, and ends when the service is operative. Following are the credit allowances appropriate for Fast Packet Access Services; the credit allowance(s) for an interruption or for a series of interruptions shall not exceed the effective monthly rate for the Fast Packet Access Service. (N)

(a) In case of an interruption to any Fast Packet Access Service (except as specified otherwise in (b) following), the credit allowance for the period of the interruption, if not due to situations set forth in 2.4.4.(C), shall be as follows:

- For Exchange Access Frame Relay Service⁽¹⁾⁽²⁾ no credit shall be allowed for an interruption of less than 30 minutes. The customer shall be credited for an interruption of 30 minutes or more at the rate of 1/1440 of the monthly charges for the facility or service for each period of 30 minutes or major fraction thereof that the interruption continues. (N)

For the service impacted by the service outage, the Fast Packet Access Service rate elements used to determine the credit allowance amount shall be as follows:

- All network interfaces

- (1) Effective November 5, 2011, Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) as described in Section 21.2, following, and BellSouth Managed Shared Frame Relay Service (MSFRS) as described in 21.3, following, will no longer be available to new Customers. Existing term plan Customers, as of November 5, 2011, may add, move, remove or change lines and/or locations for the durations of their current term plan agreements, but may not enter into any new term plan agreements. Existing Customers will be permitted one extension of any existing, non-expired term plan agreement past its current term for twelve (12) months, provided the extension is signed on or before March 31, 2012. Upon expiration of any term plan agreement (including any permitted extension), service will continue on a month-to-month basis until the service is discontinued by the Telephone Company.
- (2) Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous

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BELLSOUTH TELECOMMUNICATIONS
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TARIFF F.C.C. NO. 1
3RD REVISED PAGE 2-59
CANCELS 2ND REVISED PAGE 2-59

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

Transfer Mode Service have been discontinued and are no longer available in this publication
(see WC Dkt. 11-120).

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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)

(15)(Cont'd)

- (b) In case of an interruption to Managed Shared Frame Relay Service, ⁽¹⁾⁽²⁾ a Service Continuity Credit as follows (instead of the standard Fast Packet Access Service credit allowance for outages set forth previously in (a)) shall apply for service outages according to the schedule provided below if the outage is not due to situations set forth in 2.4.4(C). The customer will be credited the percentage of his effective monthly rate for the MSFRS Connections that are affected by the service interruption (i.e., effective monthly rate meaning the monthly rate discounted by the appropriate Fast Packet Savings Plan discount percentage, if applicable) based upon the period of the actual service outage as set forth in the following chart: (N)

Duration of Service Outage	Service Continuity Credit Percentage
0 - 240 minutes	0%
241 - 360 minutes	33%
361 - 480 minutes	66%
Over 480 minutes	100%

For the services impacted by the service outage, the rate elements used to determine the Service Continuity Credit amount shall be as follows:

- For Managed Shared Frame Relay Service: ⁽¹⁾⁽²⁾ MSFRS Connections (N)

- (1) Effective November 5, 2011, BellSouth Managed Shared Frame Relay Service (MSFRS) as described in 21.3, following, will no longer be available to new Customers. Existing term plan Customers, as of November 5, 2011, may add, move, remove or change lines and/or locations for the durations of their current term plan agreements, but may not enter into any new term plan agreements. Existing Customers will be permitted one extension of any existing, non-expired term plan agreement past its current term for twelve (12) months, provided the extension is signed on or before March 31, 2012. Upon expiration of any term plan agreement (including any permitted extension), service will continue on a month-to-month basis until the service is discontinued by the Telephone Company.
- (2) Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120). (N)

(This page filed under Transmittal No. 172)

BELLSOUTH TELECOMMUNICATIONS
Four AT&T Plaza, Dallas, Texas 75202

TARIFF F.C.C. NO. 1
3RD REVISED PAGE 2-60
CANCELS 2ND REVISED PAGE 2-60

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

(This page filed under Transmittal No. 172)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

2 - General Regulations (Cont'd)

2.6 Definitions (Cont'd)

HUB

The term "Hub" denotes a Telephone Company designated location at which services are either joined together (as in a bridging hub) or where services are channelized (as in a Hi-Capacity hub). A hub office may be further designated as a Digital Data Access Service (DDAS) hub through which DDAS is available for provisioning. Hubs for specific services are designated in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4. (C) (C) (C)

Immediately Available Funds

The term "Immediately Available Funds" denotes a corporate or personal check drawn on a bank account and funds which are available for use by the receiving party on the same day on which they are received and include U.S. Federal Reserve bank wire transfers, U.S. Federal Reserve notes (paper cash), U.S. coins, U.S. Postal Money Orders and New York Certificates of Deposit.

Impedance Balance

The term "Impedance Balance" denotes the method of expressing Echo Return Loss and Singing Return Loss at a 4-wire interface whereby the gains and/or loss of the 4 wire portion of the transmission path, including the hybrid, are not included in the specification.

Impulse Noise

The term "Impulse Noise" denotes any momentary occurrence of the noise on a channel over a specified level threshold. It is evaluated by counting the number of occurrences which exceed the threshold.

Individual Case Basis

The term "Individual Case Basis" denotes a condition in which the regulations, if applicable, rates and charges for an offering under the provisions of this tariff are developed based on the circumstances in each case.

Inserted Connection Loss

The term "Inserted Connection Loss" denotes the 1004 Hz power difference (in dB) between the maximum power available at the originating end and the actual power reaching the terminating end through the inserted connection.

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.8 Optional Payment Plans (Cont'd)

(C) Fast Packet Services Payment Plan⁽¹⁾

(N)

(1) General

- (a) The regulations specified herein are applicable only to specific Fast Packet Access Services as indicated in the rate regulations for such services in Section 21 and Section 23 following.
- (b) The terms of this Fast Packet Services Payment Plan (SPP) apply to such specific Fast Packet Services except as noted in the rate regulations for the given service.
- (c) The Fast Packet SPP allows customers to pay stabilized monthly rates for fixed service periods selected by the customer. The two payment plans offered are as follows:
 - Payment Plan A, service periods may be selected from 12 months to 24 months in length.
 - Payment Plan B, service periods may be selected from 25 months to 48 months in length.
- (d) When the customer renews a Fast Packet SPP arrangement under 2.4.8(C)(7)(d) following and the sum of months is greater than the number of months for which the services is available under a Fast Packet SPP, the current rates for the longest payment plan available for that service will apply. For example, when the customer extends XAFRS beyond 48 months, Payment Plan B rates will apply.
- (e) When the customer orders service to be provided under a Fast Packet SPP arrangement, the customer must designate to the Company the payment plan and the service period desired, e.g., Plan B and 36 months.
- (f) Rates stabilized under a Fast Packet SPP arrangement are exempt from Telephone Company initiated increases, however, decreases for any rate element will automatically flow through to the customer.

⁽¹⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120). (N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.8 Optional Payment Plans (Cont'd)

(C) Fast Packet Services Payment Plan⁽¹⁾ (Cont'd) (N)

(2) Application of Rates and Charges

(a) The rates and charges applicable are those in effect as set forth in the rate regulations of this tariff for the particular Fast Packet Access Service involved as of the Application Date, provided that the actual service date does not exceed the later of the following.

(1) the Service Date under a standard service interval, or

(2) the earliest date on which service can reasonably be made available to the customer by the Telephone Company.

(b) If a customer desires a service date later than as provided in (a) preceding, the rates and charges in effect at the time of the actual service date are applicable.

(c) The customer will be required to pay a Termination Liability Charge in the event that all or any part of a service is disconnected at the customer's request prior to expiration of any selected payment period of greater than one month's duration except as specified in 2.4.8(C)(4) following.

(d) No Termination Liability Charge will apply.

(3) Additions

(a) Additions of services or rate elements (e.g., Network Interfaces) must be under a new Fast Packet SPP arrangement at rates and charges specified in 2.4.8(C)(2) preceding.

(b) Termination charges for premature disconnection of added contractual services will apply as set forth under Disconnects in 2.4.8(C)(4) following.

⁽¹⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120). (N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.8 Optional Payment Plans⁽¹⁾ (Cont'd)

(N)

(C) Fast Packet Services Payment Plan (Cont'd)

(3) Additions (Cont'd)

- (c) Additions under Fast Packet SPP are exempt from Company-initiated rate changes for all payment periods longer than one month. However, decreases for any rate element will automatically flow through to the customer.

(4) Disconnects

- (a) When a service or rate element, included under a Fast Packet SPP arrangement, is disconnected prior to expiration of the selected service period, no Termination Liability Charge will apply.
- (b) When a tariffed service under a Fast Packet SPP arrangement is disconnected prior to the expiration of a selected service period, no Termination Liability Charge will apply.

Nonrecurring charges apply for the installation of the newly requested service. Termination liability charges may apply for changes to associated Special Access Services under an Optional Payment Plan as set forth in tariffs regulating those services.

⁽¹⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120).

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.8 Optional Payment Plans (Cont'd)

(C) Fast Packet Services Payment Plan⁽¹⁾ (Cont'd) (N)

(5) Moves of Service Under Fast Packet SPP

- (a) Termination Liability Charges will not apply to customer requests for moves of service under Fast Packet SPP from one location to another location.

⁽¹⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120). (N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.8 Optional Payment Plans (Cont'd)

(C) Fast Packet Services Payment Plan⁽¹⁾ (Cont'd) (N)

(5) Moves of Service Under Fast Packet SPP (Cont'd)

- All regulations and charges for changes made to the service coincident to that move shall apply.
- Moves of service that involve a change of jurisdiction (e.g., interstate to intrastate) will not be treated as a disconnect of service with regard to Termination Liability Charge application. The customer must subscribe to a payment arrangement offered in the appropriate intrastate tariff which is equal to or greater than the remaining contract period.

(6) Requests for Changes in Length of Service Period

- (a) Subsequent to the establishment of a Fast Packet SPP arrangement and prior to the completion of the selected service period for that arrangement, the Fast Packet SPP arrangement may be replaced by a new Fast Packet SPP arrangement at rates and charges in effect on the first day of service under the new Fast Packet SPP arrangement, subject to the following conditions:
- No credit will be given for payments made under the original Fast Packet SPP arrangement except for credits allowed under Section 2.4.8(C)(9)(a) following.
 - The service period selected for the new Fast Packet SPP arrangement begins on the new Fast Packet SPP effective date but not later than the expiration date of the Fast Packet SPP being replaced.
 - Nonrecurring charges will not be reapplied for existing services.
 - If the new Fast Packet SPP arrangement has a service period shorter in length than the time remaining under the service period for the existing Fast Packet SPP arrangement, the change to the new Fast Packet SPP constitutes a disconnection of the existing Fast Packet SPP arrangement for which no Termination Liability Charges apply.

⁽¹⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120). (N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.8 Optional Payment Plans (Cont'd)

(C) Fast Packet Services Payment Plan⁽¹⁾ (Cont'd)

(N)

(7) Renewal Options

- (a) When a service period under an existing Fast Packet SPP arrangement is completed, the customer may select a new Fast Packet SPP arrangement at rates and charges in effect on the first day of service under the new Fast Packet SPP arrangement, continue service under the month-to-month rates, or discontinue service with no Termination Liability Charge. If the customer does not elect to either discontinue service or continue service under a new Fast Packet SPP arrangement, service will be continued under month-to-month rates.
- (b) Any new rate elements added to a customer's network or changes to existing services at the time of renewal will be subject to all appropriate nonrecurring charges.
- (c) When a customer renews a Fast Packet SPP arrangement, the rates and charges in effect on the first day of service of the renewal will apply.
- (d) Recognition of previous service will be given to customers who renew an existing Fast Packet SPP arrangement, for all associated rate elements at the same location(s), provided that the length of the new Fast Packet SPP arrangement is equal to or greater than the remaining service period of the original Fast Packet SPP arrangement.
- (e) Recognition of previous service back to the actual service date will be given to month-to-month customers who convert to a Fast Packet SPP arrangement.
- (f) To determine the appropriate Fast Packet SPP Payment Plan for the renewed arrangement, recognition of service will consist of the sum of months in service of the completed service arrangement and the sum of the months of the proposed service period of the Fast Packet SPP arrangement. For example, a Fast Packet SPP arrangement for a 24 month service period under Payment Plan A is renewed for 16 months with no changes at the end of the 24 month period. The sum of months for the completed and proposed service periods would equal 40 months and would be billed under Payment Plan B.

⁽¹⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared

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BELLSOUTH TELECOMMUNICATIONS
Four AT&T Plaza, Dallas, Texas 75202

TARIFF F.C.C. NO. 1
1ST REVISED PAGE 2-97
CANCELS ORIGINAL PAGE 2-97

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120).

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.8 Optional Payment Plans (Cont'd)

(C) Fast Packet Services Payment Plan⁽¹⁾ (Cont'd)

(N)

(7) Renewal Options (Cont'd)

(f) (Cont'd)

Another example is a month-to-month customer, in service for 15 months, who wishes to convert to a 24-month Fast Packet SPP arrangement with no changes. The combined service period of the Month-to-Month arrangement and the Fast Packet SPP arrangement is equal to 39 months which would be billed under Payment Plan B.

(8) Transfer of Service

(a) Service transferred to a new customer at the same location in accordance with 2.1.2 preceding does not constitute a disconnect of service or a discontinuance of an existing Fast Packet SPP arrangement.

(9) Prepayment

(a) Effective October 15, 2005, prepayment is not available for new Fast Packet SPP arrangements.

(b) Upon entering into a Fast Packet SPP arrangement, the customer may prepay the outstanding recurring monthly rates in whole or in part for all rate elements included in the Fast Packet SPP arrangement. The Company retains full ownership of services in accordance with 2.4.6, preceding. The following conditions apply:

- A prepayment allowance will be applied to the amount prepaid for each given month equal to 0.6666% per month compounded monthly for the number of months the payment is advanced.
- The customer may elect the percentage of the monthly rates to be prepaid, provided however, the same percentage shall apply to all rate elements included in the Fast Packet SPP arrangement for all months remaining in the service period.
- This same prepayment percentage will apply in the event the customer adds services to an existing Fast Packet SPP arrangement subsequent to the establishment of the service.

⁽¹⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer

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BELLSOUTH TELECOMMUNICATIONS
Four AT&T Plaza, Dallas, Texas 75202

TARIFF F.C.C. NO. 1
2ND REVISED PAGE 2-98
CANCELS 1ST REVISED PAGE 2-98

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120).

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

2 - General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.8 Optional Payment Plans (Cont'd)

(C) Fast Packet Services Payment Plan⁽¹⁾ (Cont'd')

(N)

(9) Prepayment (Cont'd)

- When a customer who has prepaid recurring monthly rates replaces the existing Fast Packet SPP arrangement with a new Fast Packet SPP arrangement, the customer will be credited with that portion of the prepayment amount, representing a prepayment of the monthly recurring rates remaining in the existing Fast Packet SPP arrangement.
- No Termination Liability Charge will apply to Customers who prematurely disconnect.

(D) Transport Payment Plan (TPP)

(1) General

- (a) The regulations and terms specified herein are applicable only to LightGate (a.k.a. BellSouth SPA Point to Point Network), BellSouth Dedicated Ring and/or BellSouth DS1 Diverse service Special Access (a.k.a. BellSouth SPA) services as indicated in the rate regulations in Sections 6 and 7 of this tariff.
- (b) The TPP allows customers to pay stabilized monthly rates for fixed service periods selected by the customer. The three payment plans offered are as follows:
 - Payment Plan A, service periods may be selected from 12 months to 36 months in length.⁽³⁾
 - Payment Plan B, service periods may be selected from 37 months to 60 months in length.⁽²⁾⁽³⁾
 - Payment Plan C, service periods may be selected from 61 months to 96 months in length.⁽¹⁾⁽²⁾⁽³⁾

⁽¹⁾ Effective May 15, 2015, Plan C commitment periods of 62 to 96 months will no longer be available for new TPPs. A Plan C commitment period of 61 months will continue to be available for new TPPs. There is no change for existing TPPs.

⁽²⁾ Effective on September 13, 2017, TPPs greater than 36-months are no longer available for LightGate (a.k.a. BellSouth SPA Point to Point Network) service and BellSouth DS1 Diverse service, including for any otherwise available renewals, extensions or conversions. Circuits already subject to a TPP greater than 36-months, as of September 13, 2017, will continue to be provided under the then-current TPP term for the remainder of that term.

⁽³⁾ Effective on November 1, 2022, all ACPs for High Capacity (a.k.a. BellSouth SPA High Capacity DS1 (a.k.a. BellSouth SPA DS1)), CSPPs of greater than 24 months for High Capacity (a.k.a. BellSouth SPA High Capacity DS1 (a.k.a. BellSouth SPA DS1)), SMARTPath Service (a.k.a. BellSouth SPA DS1 Shared Ring), and SMARTPath DS3 Transport Service (a.k.a. BellSouth SPA DS3 Shared Ring), and TPPs greater than 12 months for BellSouth DS1 Diverse Service and LightGate Systems (a.k.a. BellSouth SPA Point to Point Network), are no longer available, including for any otherwise available conversions. Circuits already subject to ACPs, CSPPs, and TPPs, as of November 1, 2022, will continue to be provided under the then-current term for the remainder of that term.

BELLSOUTH TELECOMMUNICATIONS
Four AT&T Plaza, Dallas, Texas 75202

TARIFF F.C.C. NO. 1
8TH REVISED PAGE 2-99
CANCELS 7TH REVISED PAGE 2-99

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

⁽⁴⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120).

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

2 - General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.8 Optional Payment Plans (Cont'd)

(D) Transport Payment Plan (Cont'd)

(4) Disconnects (Cont'd)

(c) (Cont'd)

- (4) the capacity of the new service is equal to or greater than the existing service. For converting LightGate service (a.k.a. BellSouth SPA Point to Point Network) to SMARTPath DS3 Transport service (a.k.a. BellSouth SPA DS3 Shared Ring), the capacity of the LightGate service (a.k.a. BellSouth SPA Point to Point Network) is considered to be the quantity of DS3s activated on the LightGate service (a.k.a. BellSouth SPA Point to Point Network).

For the purposes of determining a higher order of service in all payment plans, the following ranking will be used (Analog Voice Grade (a.k.a. BellSouth SPA DSO VG) service=lowest, Telephone Company dedicated ring service=highest):

1. Analog Voice Grade (a.k.a. BellSouth SPA DSO VG) services
2. DSO (a.k.a. BellSouth SPA DSO Digital Data) Services DS1 (a.k.a. BellSouth SPA DS1) Services BellSouth DS1 Diverse Service SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring)
6. Telephone Company wavelength service/Telephone Company wavelength channel service with stand alone channels⁽¹⁾
7. LightGate service (a.k.a. BellSouth SPA Point to Point Network)/Telephone Company wavelength channel service dedicated system arrangements
8. SMARTPath DS3 Transport service (a.k.a. BellSouth SPA DS3 Shared Ring)
9. BellSouth Dedicated Ring/Telephone Company wavelength dedicated ring service (see Section 2.4.8(D)(4)(f))

Customer requested conversion of Special Access Service (a.k.a., BellSouth SPA) to the same or higher speed Fast Packet Access Service⁽¹⁾ will be treated as an upgrade to a higher order of service and, as such, termination liability will not apply in accordance with regulations set forth herein. (N)

⁽¹⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed

BELLSOUTH TELECOMMUNICATIONS
Four AT&T Plaza, Dallas, Texas 75202

TARIFF F.C.C. NO. 1
7TH REVISED PAGE 2-105
CANCELS 6TH REVISED PAGE 2-105

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120).

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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⁽³⁾

(N)

Effective September 29, 2007, the BellSouth Fast Packet Savings Plan (FSP) will no longer be available for new customer subscriptions. Existing FSP customers may keep their existing FSP agreements until the expiration of the term. Upon expiration of the term, customers may not renew the FSP agreement. Also with the above effective date, customers may not revise an existing FSP agreement to extend the length of the term.

- (1) The BellSouth FSP allows customers to receive credits applied to their bill in exchange for making a commitment to maintain a minimum level of total Fast Packet Services monthly recurring billing (defined in 2.4.8(F)(3) following) for a specified period of time.

The credits provided under a BellSouth FSP agreement are applied to eligible Fast Packet Services, LightGate service (a.k.a. BellSouth SPA Point to Point). The monthly rates and nonrecurring charges¹ for the following Fast Packet Services, LightGate service (a.k.a. BellSouth SPA Point to Point) are eligible for credit when subscribed to on a month-to-month basis:

- BellSouth Exchange Access Frame Relay Service⁽²⁾⁽³⁾
- BellSouth Managed Shared Frame Relay Service⁽²⁾⁽³⁾
- BellSouth Customer Network Management - Network Visibility Service (CNM-NVS) (excluding Service Establishment Charge and Management Access Interface Charges)
- LightGate service (a.k.a. BellSouth SPA Point to Point)

(N)
(N)

⁽¹⁾ Effective November 14, 2001, FSP discount credits also apply to nonrecurring billing for eligible services for a customer under a FSP agreement. For a customer with an existing FSP agreement, FSP credit adjustments are not applicable for nonrecurring billing prior to November 14, 2001.

⁽²⁾ Effective November 5, 2011, Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) as described in Section 21.2, following, and BellSouth Managed Shared Frame Relay Service (MSFRS) as described in 21.3, following, will no longer be available to new Customers. Existing term plan Customers, as of November 5, 2011, may add, move, remove or change lines and/or locations for the durations of their current term plan agreements, but may not enter into any new term plan agreements. Existing Customers will be permitted one extension of any existing, non-expired term plan agreement past its current term for twelve (12) months, provided the extension is signed on or before March 31, 2012. Upon expiration of any term plan agreement (including any permitted extension), service will continue on a month-to-month basis until the service is discontinued by the Telephone Company.

⁽³⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120).

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BELLSOUTH TELECOMMUNICATIONS
Four AT&T Plaza, Dallas, Texas 75202

TARIFF F.C.C. NO. 1
3RD REVISED PAGE 2-119
CANCELS 2ND REVISED PAGE 2-119

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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⁽¹⁾ (Cont'd)

(N)

(2) The Fast Packet services as set forth in 2.4.8(F)(1) preceding that are included in a Fast Packet Services Payment Plan (FPSP, as provided in 2.4.8(C)) will not receive BellSouth FSP credits. Monthly recurring billing for such services under a Fast Packet Services Payment Plan shall, however, count towards the customer's Total Fast Packet Services Monthly Recurring Billing (referred to as qualifying revenues) for a BellSouth FSP as set forth in 2.4.8(F)(3) following.

The LightGate service (a.k.a. BellSouth SPA Point to Point), as set forth in 2.4.8(D)(1) preceding that are included in a Transport Payment Plan (TPP), as provided in 2.4.8(D), will not receive BellSouth FSP credits. Monthly recurring billing for such services shall, however, count towards the customer's Total Fast Packet Services Monthly Recurring Billing (referred to as qualifying revenues) for a BellSouth FSP as set forth in 2.4.8(F)(3) following.

⁽¹⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120). (N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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⁽³⁾ (Cont'd) (N)

(3) The customer's Total Fast Packet Services Monthly Recurring Billing, referred to hereafter as qualifying revenues, will be utilized to establish the appropriate BellSouth FSP credit schedule which will be applied to the customer's eligible Fast Packet Service billing as set forth in Section 2.4.8(F)(1). A customer's qualifying revenues is defined to include their monthly recurring billing¹ for the following services:

- Eligible Fast Packet Services (as set forth in Section 2.4.8(F)(1))
- BellSouth Exchange Access Frame Relay Service⁽²⁾ under FPSPP
- Eligible BellSouth Transport Services (per (a) following):
 - § WATS Access Line (WAL) (a.k.a. BellSouth WATS Line) Service
 - § DS1 High Capacity (a.k.a. BellSouth SPA DS1) Service
 - § High Capacity (a.k.a. BellSouth SPA High Capacity)
 - § Alternate Serving Wire Center Service
 - § LightGate Service (a.k.a. BellSouth SPA Point to Point Network)
 - § Digital Data Access Service (a.k.a. BellSouth SPA DS0 Digital Data)
 - § Voice Grade (a.k.a. BellSouth SPA DS0 VG) Service
 - § Program Audio⁽⁴⁾ (a.k.a. BellSouth SPA Program Audio) Service (N)
 - § Analog Data Access (a.k.a. BellSouth SPA DS0 VG) Service
 - § SMARTPath Service (a.k.a. BellSouth SPA DS1 Shared Ring)
 - § SMARTPath DS3 Transport Service (a.k.a. BellSouth SPA DS3 Shared Ring)

⁽¹⁾ While nonrecurring charges for eligible services receive discounts under an FSP agreement, nonrecurring charge billing does not count as "qualifying" revenue towards a customer's minimum monthly revenue commitment.

⁽²⁾ Effective November 5, 2011, Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) as described in Section 21.2, will no longer be available to new Customers. Existing term plan Customers, as of November 5, 2011, may add, move, remove or change lines and/or locations for the durations of their current term plan agreements, but may not enter into any new term plan agreements. Existing Customers will be permitted one extension of any existing, non-expired term plan agreement past its current term for twelve (12) months, provided the extension is signed on or before March 31, 2012. Upon expiration of any term plan agreement (including any permitted extension), service will continue on a month-to-month basis until the service is discontinued by the Telephone Company.

⁽³⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120). (N)

BELLSOUTH TELECOMMUNICATIONS
Four AT&T Plaza, Dallas, Texas 75202

TARIFF F.C.C. NO. 1
5TH REVISED PAGE 2-121
CANCELS 4TH REVISED PAGE 2-121

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

⁽⁴⁾ Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238).

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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⁽¹⁾ (Cont'd)

(N)

(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

⁽¹⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120).

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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⁽²⁾ (Cont'd) (N)
(3) (Cont'd)

- Eligible BellSouth Transport Services (per (a) following): (Cont'd)

- § BellSouth SWA Transport
- § BellSouth SWA Managed Shared Network Service
- § BellSouth Dedicated Ring
- § BellSouth SWA DS0 Service
- § BellSouth SWA DS1 Service
- § BellSouth SWA DS3 Service
- § BellSouth Directory Transport
- § Federal Government Transport Plan

(a) The following percentages of total monthly recurring billing for eligible BellSouth Transport Services (as set forth previously herein 2.4.8(F)(3)) will count as qualifying revenue:

- 10% when a customer signs a Plan A term.
- 25% when a customer signs a Plan B term.
- 35% when a customer signs a Plan C or Plan D term.

Additionally, a customer must maintain at least 75% of its existing Fast Packet Services monthly recurring billing during the FSP interim period (as set forth in 2.4.8(F)(10) following) to allow eligible BellSouth Transport Services to count as qualifying revenue.

(4) The lengths of the term plans available for a BellSouth FSP agreement are as follows:

- Plan A (36 to 59 Months)
- Plan B (60 to 83 Months)
- Plan C (84 to 143 Months)
- Plan D (144 Months)¹

⁽¹⁾ The Plan D term is only available with a \$2,000,000 Minimum Monthly Revenue Commitment level.

⁽²⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120).

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
 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⁽²⁾ (Cont'd)

(N)

(5) The following table provides the minimum monthly revenue commitment levels for a customer's qualifying revenues under a BellSouth FSP agreement¹. The customer specifies their minimum monthly revenue commitment level (hereinafter referred to as monthly revenue commitment or revenue commitment) and the term plan for their BellSouth FSP agreement. Based upon these two parameters, a specific schedule of credits applies during their BellSouth FSP agreement. Each credit schedule contains the credit percentages applicable to the month-to-month rates and nonrecurring charges for eligible Fast Packet Services defined in 2.4.8(F)(1). The credit schedules are identified by: an alpha character that identifies the term plan, and a numeric character that identifies the customer's minimum monthly revenue commitment level. Credit schedules are provided following in 2.4.8(F)(6).

Minimum Monthly Revenue Commitment Level	Credit Schedule			
	Plan A Term 36 - 59 Months	Plan B Term 60 - 83 Months	Plan C Term 84 - 143 Months	Plan D Term 144 Months
\$ 750,000	Schedule 0A	Schedule 0B	Schedule 0C	-
\$ 2,000,000	Schedule 1A	Schedule 1B	Schedule 1C	Schedule 1D
\$ 5,000,000	Schedule 2A	Schedule 2B	Schedule 2C	-
\$ 10,000,000	Schedule 3A	Schedule 3B	Schedule 3C	-

Note 1: Only monthly recurring billing for qualifying services is used in determining a customer's monthly revenue which applies towards their minimum monthly revenue commitment; nonrecurring billing for qualifying services does not apply.

Note 2: Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120).

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BELLSOUTH TELECOMMUNICATIONS
Four AT&T Plaza, Dallas, Texas 75202

TARIFF F.C.C. NO. 1
2ND REVISED PAGE 2-124
CANCELS 1ST REVISED PAGE 2-124

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
 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⁽¹⁾ (Cont'd) (N)

(6) The credit schedules for BellSouth Fast Packet Savings Plan agreements are as follows. Within each credit schedule a unique credit applies based upon the transmission speed of the eligible service (and as stated for features).

(a) The following credit schedules are applicable for Fast Packet Access Services. A unique credit applies based upon the transmission speed of the eligible Fast Packet Service. A separate credit applies for Fast Packet Access Services' features; the Features credit is also applicable for BellSouth CNM-NVS.

Credit Schedule	Credit Percentages							
	56/64 Kbps	112-1152 Kbps	1.536 Mbps	Multilink, Subrate T3 & IMA	44.210 Mbps	149.760 Mbps	599.040 Mbps	Features
0A	7%	8%	6%	5%	5%	3%	5%	6%
0B	9%	10%	8%	7%	7%	5%	7%	8%
0C	23%	12%	18%	15%	15%	18%	18%	9%
1A	13%	14%	11%	10%	10%	6%	10%	11%
1B	18%	16%	16%	14%	14%	9%	14%	16%
1C	45%	18%	35%	29%	29%	35%	35%	17%
1D	50%	21%	39%	35%	35%	40%	40%	31%
2A	34%	20%	29%	26%	26%	16%	26%	29%
2B	48%	22%	41%	37%	37%	22%	37%	41%
2C	54%	33%	50%	45%	45%	45%	45%	45%
3A	40%	22%	35%	30%	30%	19%	31%	30%
3B	54%	33%	50%	45%	45%	45%	45%	45%
3C	56%	38%	54%	50%	50%	50%	50%	50%

⁽¹⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120). (N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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⁽²⁾ (Cont'd) (N)

(6) (Cont'd)

(b) The credit schedules for LightGate service (a.k.a. BellSouth SPA Point to Point) are as follows:

Credit Schedule	Credit Percentages		
	ME 2-99 Mbps and ME Independent Company Trunk	ME 100 - 499 Mbps	ME 500 Mbps - 1 Gbps
	(1)		
OA	25%	25%	25%
OB	29%	29%	29%
OC	35%	35%	35%
1A	28%	28%	28%
1B	32%	32%	32%
1C	38%	38%	38%
1D	40%	40%	40%
2A	30%	30%	30%
2B	34%	34%	34%
2C	40%	40%	40%
3A	32%	32%	32%
3B	36%	36%	36%
3C	50%	50%	50%

(1) These FSP discounts are also applicable to features that are not related to transmission speed.

(2) Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120).

(N)
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 (N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
 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⁽¹⁾ (Cont'd)

(N)

- (7) Each month under a BellSouth FSP agreement the customer's eligible billing will be adjusted via a credit. The monthly credit will be equal to the previous month's eligible revenue times the appropriate credit percentage set forth in the credit schedule specified by the customer's BellSouth FSP agreement.
- (8) To subscribe to a BellSouth FSP, a customer must submit to the Telephone Company a signed agreement provided by the Telephone Company specifying the customer's monthly revenue commitment and the term plan (indicating the actual number of plan months) desired for their FSP agreement. The customer must also identify to the Telephone Company all Access Customer Name Abbreviations (ACNAs) to be included in the BellSouth FSP agreement. The BellSouth FSP effective service date will be negotiated by the Telephone Company and the customer. The negotiated effective service date shall be no later than 30 days after the Telephone Company has received the aforementioned signed agreement from the customer with the required information to develop the FSP agreement. BellSouth FSP credits specified in 2.4.8(F)(7) will begin with the first bill period following the negotiated effective service date of the BellSouth FSP agreement.
- (9) Except as specified in (9)(a) following, to enroll in a BellSouth FSP agreement, the customer's monthly qualifying revenues at the time of enrollment (based upon the most current monthly billing data available) must equal or exceed the entry level minimum qualifying revenue specified in the table following. The entry level minimum qualifying revenue depends upon the term plan and monthly revenue commitment level selected for the customer's FSP agreement. The entry level minimum qualifying revenues are as follows:

Minimum Monthly Revenue Commitment Level	Entry Level Minimum Qualifying Revenues			
	Plan A Term	Plan B Term	Plan C Term	Plan D Term
	36 - 59 Months (50% of MMRC)	60 - 83 Months (35% of MMRC)	84 - 143 Months (20% of MMRC)	144 Months (5% of MMRC)
\$ 750,000	\$ 375,000	\$ 262,500	\$ 150,000	-
\$ 2,000,000	\$ 1,000,000	\$ 700,000	\$ 400,000	\$100,000
\$ 5,000,000	\$ 2,500,000	\$ 1,750,000	\$ 1,000,000	-
\$ 10,000,000	\$ 5,000,000	\$ 3,500,000	\$ 2,000,000	-

- (a) A customer may enroll in a BellSouth FSP agreement between November 14, 2001, and February 14, 2002, with only 50% of the entry level minimum qualifying revenues set forth above.

⁽¹⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service have

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BELLSOUTH TELECOMMUNICATIONS
Four AT&T Plaza, Dallas, Texas 75202

TARIFF F.C.C. NO. 1
2ND REVISED PAGE 2-127
CANCELS 1ST REVISED PAGE 2-127

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

been discontinued and are no longer available in this publication (see WC Dkt. 11-120).

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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⁽¹⁾ (Cont'd)

(N)

(10) Subject to meeting the requirements set forth in 2.4.8(F)(9), customers are allowed an interim period beginning with the establishment of their BellSouth FSP agreement to increase their qualifying monthly revenues to the level of the monthly revenue commitment specified in their FSP agreement. The length of this interim period differs based upon the term plan selected for the customer's FSP agreement as follows:

- Plan A 12 month interim period allowed
- Plan B 24 month interim period allowed
- Plan C 36 month interim period allowed
- Plan D 60 month interim period allowed

(11) Once the interim period specified in 2.4.8(F)(10) preceding has been completed, a Shortfall Charge shall apply on a going forward basis for each month that the customer's qualifying revenue does not equal or exceed the customer's revenue commitment. The applicable Shortfall Charge for each such month is an amount equal to the difference between the customer's monthly revenue commitment and their actual qualifying revenues billed that month.

(12) Subject to the terms set forth in 2.4.8(F)(8) for initiating a new FSP agreement, customers may request to revise an existing FSP agreement to include a different length of term and/or monthly revenue commitment. The number of months served under the existing FSP agreement will be counted in establishing the total term length for the revised FSP agreement (i.e., providing recognition of previous FSP service). Based upon customer requested revisions in the total length of the FSP agreement and/or monthly revenue commitment, the customer's credit schedule as specified in 2.4.8(F)(6) may change.

A customer may make such revisions to his FSP agreement without a Commitment Reduction Charge (discussed following) as long as the total revenue commitment associated with the revised FSP agreement is equal to or greater than the total revenue commitment for the existing FSP agreement.

The total revenue commitment associated with the existing plan is the product of multiplying the total number of months specified in the customer's existing FSP agreement by the existing plan's monthly revenue commitment.

The total revenue commitment associated with the revised plan is determined by taking the product of multiplying the number of months served under the existing plan by the existing plan's monthly revenue commitment, and adding it to, the product of multiplying the number of additional months in the revised FSP plan by the revised plan's monthly revenue commitment.

⁽¹⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared

(This page filed under Transmittal No. 172)

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(N)

BELLSOUTH TELECOMMUNICATIONS
Four AT&T Plaza, Dallas, Texas 75202

TARIFF F.C.C. NO. 1
1ST REVISED PAGE 2-128
CANCELS ORIGINAL PAGE 2-128

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120).

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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⁽¹⁾ (Cont'd)

(N)

(12) (Cont'd)

If the total revenue commitment associated with the revised FSP plan is less than the total revenue commitment associated with the existing plan, a Commitment Reduction Charge is applicable. This Commitment Reduction Charge is equal to the product of the total FSP credits received by the customer since the initiation of a FSP plan, multiplied by, 1 minus the ratio of the revised plan total revenue commitment to the existing plan total revenue commitment.

For example: After 40 months, a customer with a 60 month FSP agreement with a \$5,000,000 revenue commitment per month (discount schedule 2B) wants to change to a \$2,000,000 revenue commitment for the next 36 months. (The customer's new agreement will be for a total of 76 months (40 months plus 36 months). FSP crediting for the next 36 months will be under discount schedule 1B.) Thus far under the existing FSP agreement, the customer has produced over \$200,000,000 in qualifying revenues, which included \$100,000,000 of eligible service revenues upon which he has received a total of \$40,000,000 in FSP credits.

The total revenue commitment associated with the existing plan is calculated as follows:

$$60 \text{ months times } \$5,000,000 = \$300,000,000.$$

The total revenue commitment associated with the revised (76 month) plan is calculated as follows:

$$\begin{aligned} &= (40 \text{ months times } \$5,000,000) \text{ plus } (36 \text{ months times } \$2,000,000) \\ &= (\$200,000,000) \text{ plus } (\$72,000,000) \\ &= \$272,000,000 \end{aligned}$$

A Commitment Reduction Charge (CRC) applies since the revised plan's total revenue commitment is less than the existing plan's total revenue commitment. The charge is calculated as follows:

$$\begin{aligned} \text{CRC} &= \$40,000,000 \times (1 - (\$272,000,000/\$300,000,000)) \\ &= \$40,000,000 \times (1 - .9067) \\ &= \$40,000,000 \times (.0933) \\ &= \$ 3,732,000 \end{aligned}$$

⁽¹⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120). (N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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⁽¹⁾ (Cont'd)

(N)

(12) (Cont'd)

- (a) Under the terms set forth herein, a customer may extend the period of time under their FSP agreement. If the increase in total number of months causes the revised FSP agreement to fall under a longer term plan (as set forth in 2.4.8(F)(4)) than the existing agreement, the customer qualifies for a longer interim period (discussed in 2.4. (F)(10)).

The additional interim period time allowed is equal to the difference between the interim period months associated with the revised agreement's term plan, less the interim period months associated with the existing plan which have not passed. The total interim period months allowed such a customer shall not exceed the number of interim period months specified in 2.4.8. (F)(10) preceding based upon the revised agreement's term plan. Any additional interim period time appropriate for a customer shall begin with the start date of the revised agreement.

- (b) Under the terms set forth herein, a customer may decrease the period of time under their FSP agreement. If the decrease in total number of months causes the revised FSP agreement to fall under a shorter term plan (as set forth in 2.4.8(F)(4)) than the existing agreement, the customer no longer qualifies for the longer interim period (discussed in 2.4.8(F)(10)) associated with the existing plan. The following terms apply upon the effective date of the revised agreement:

- If the interim period associated with the existing FSP agreement has passed, no action is taken.
- If the interim period associated with the existing FSP agreement is underway and has progressed beyond the interim period associated with the revised FSP agreement (as specified in 2.4.8(F)(10)), the customer's interim period shall cease upon the effective date of the revised agreement.
- If the interim period associated with the existing FSP agreement is underway and has not progressed beyond the interim period associated with the revised FSP agreement, the total interim period allowed the customer is the number of months for the revised FSP agreement's term plan (as set forth in 2.4.8(F)(10)).

⁽¹⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer

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BELLSOUTH TELECOMMUNICATIONS
Four AT&T Plaza, Dallas, Texas 75202

TARIFF F.C.C. NO. 1
1ST REVISED PAGE 2-130
CANCELS ORIGINAL PAGE 2-130

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120).

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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⁽¹⁾ (Cont'd)

(N)

(12) (Cont'd)

- (c) Under the terms set forth herein, a customer may increase their monthly revenue commitment and extend the period of time under their FSP agreement. If the increase in total number of months causes the revised FSP agreement to fall under a longer term plan (as set forth in 2.4.8(F)(4)) than the existing agreement, the customer qualifies for a longer interim period (discussed in 2.4.(F)(10)).

The additional interim period time allowed is equal to the difference between the interim period months associated with the revised agreement's term plan, less the interim period months associated with the existing plan which have not passed, plus 12 months. Any additional interim period time appropriate for a customer shall begin with the start date of the revised agreement.

- (d) Under the terms set forth herein, a customer may increase their monthly revenue commitment and continue with the period of time under their FSP agreement. A customer qualifies for an additional 12 months to be added to the existing interim period.
- (e) Under the terms set forth herein, a customer may increase their monthly revenue commitment and shorten the period of time under their FSP agreement. The following terms apply:
- If the decrease in total number of months causes the revised FSP agreement total revenue commitment to be less than the total revenue commitment associated with the existing plan, then a Commitment Reduction Charge will apply. No time period extension to the interim period will be provided.
 - If the revised FSP agreement total revenue commitment is greater than the existing plan total revenue commitment, a customer will receive an additional 12 months to be added to the existing interim period.

⁽¹⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer

(This page filed under Transmittal No. 172)

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TARIFF F.C.C. NO. 1
1ST REVISED PAGE 2-131
CANCELS ORIGINAL PAGE 2-131

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120).

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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⁽¹⁾ (Cont'd)

(N)

(13) No Termination Liability Charge will apply.

(14) In the event of a merger or acquisition and both companies have existing BellSouth FSPs, then the customer will have the option of continuing both plans or merging both into one FSP agreement.

If the customer chooses to merge both plans into one FSP agreement, then the plan of the company making the acquisition will remain in effect and the revenues of the acquired company will be combined with those of the company making the acquisition. A revised BellSouth FSP agreement will be established based on these combined revenues subject to the regulations set forth in 2.4.8(F)(12).

If the company resulting from the merger or acquisition chooses not to continue the FSP plan(s), early termination provisions set forth in 2.4.8(F)(13) preceding apply.

(15) In the event of a merger or acquisition if only one company has a BellSouth FSP, then the customer will have the option of continuing the existing FSP plan as is or adding the new company to that existing FSP agreement.

⁽¹⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120).

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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⁽¹⁾ (Cont'd)

(N)

(15) (Cont'd)

If the customer chooses to add the new company to the existing FSP agreement, then the existing plan will remain in effect and the revenues of the company will be combined with those of the existing company. A revised BellSouth FSP agreement will be established based on these combined revenues subject to the regulations set forth in 2.4.8(F)(12) preceding.

If the company resulting from the merger or acquisition chooses not to continue the FSP plan, early termination provisions set forth in 2.4.8(F)(13) preceding apply.

⁽¹⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120). (N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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⁽¹⁾ (Cont'd) (N)

(16) During a promotional period from April 30, 2004 to July 29, 2004, customers subscribing to a new BellSouth FSP agreement and customers upgrading an existing BellSouth FSP agreement will additionally qualify to receive a FSP Network to Network Interface (NNI) Promotion monthly reward credit. This reward credit will apply when the customer has placed at least one of the Fast Packet Access Services specified in (a) following in a minimum of 13 different BellSouth LATAs.

A unique FSP NNI Promotion monthly reward credit is appropriate for each BellSouth FSP Minimum Monthly Revenue Commitment level based upon whether the customer has in place at least one Fast Packet Access Service specified in (a) following in either 13 different BellSouth LATAs, 26 different BellSouth LATAs or 38 different BellSouth LATAs. These reward credits are shown in (b) following. One such reward credit appropriate per FSP customer shall be applied per month once the customer has fulfilled the promotion requirements (beginning with billing periods after May 25, 2004). The appropriate reward credit shall then be applied to the bill each month for the duration of the customer's BellSouth FSP agreement, except that reward crediting shall cease and no longer be applicable for the remainder of the FSP agreement period once the customer falls below the minimum of one Fast Packet Access Service specified in (a) following in at least 13 different BellSouth LATAs.

(a) A minimum of one of the following Fast Packet Access Services at 1.536 Mbps or greater speed with a network interface configured for network to network interface capability (i.e., Frame Relay NNI) must be in place in a minimum of 13 different BellSouth LATAs in order for a customer with a BellSouth FSP agreement subscribed to during this promotional period to begin to receive a FSP NNI Promotion monthly reward credit: BellSouth Exchange Access Frame Relay Service (XAFRS), BellSouth Managed Shared Frame Relay Service (MSFRS).

(b) Monthly reward credit amounts for the FSP NNI Promotion are provided in the schedule following:

FSP Monthly Monthly Revenue Commitment Level	FSP NNI Promotion Monthly Reward Credit		
	NNIs in 13 LATAs	NNIs in 26 LATAs	NNIs in 38 LATAs
\$ 750,000	\$ 1,070.00	\$ 4,200.00	\$ 9,160.00
\$ 2,000,000	\$ 1,270.00	\$ 5,000.00	\$ 11,000.00
\$ 5,000,000	\$ 1,460.00	\$ 5,740.00	\$ 12,710.00
\$ 10,000,000	\$ 1,700.00	\$ 6,690.00	\$ 14,840.00

⁽¹⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service have

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TARIFF F.C.C. NO. 1
2ND REVISED PAGE 2-134
CANCELS 1ST REVISED PAGE 2-134

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

been discontinued and are no longer available in this publication (see WC Dkt. 11-120).

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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⁽¹⁾ (Cont'd)

(N)

(16)(Cont'd)

(c) Applicable taxes and fees will be based on the standard BellSouth Fast Packet Savings Plan price of qualifying services, and no taxes or fees will be added to the FSP NNI Promotion monthly reward credit applied to customer bills.

(17) During a promotional period from April 1, 2005 to April 30, 2005, new BellSouth FSP Agreements signed with a Minimum Monthly Revenue Commitment of \$5,000,000 with a 60 to 83 month term (referred to as a Plan 2B) shall be provided with promotional terms and conditions stipulated herein for the duration of these FSP Agreements. During the 36th month of such FSP Agreements, the customer must inform the Telephone Company which of the following options they have selected for their FSP Agreement for service beyond the 36th month:

(a) No Termination Liability Charge will apply.

(b) The existing FSP Agreement may be retained for the duration of the selected payment period (of 60 to 83 months) and standard FSP tariff terms and conditions shall apply for the remaining months of the selected term (including Termination Liability for a total termination).

(c) The existing FSP Agreement may be revised to another FSP Agreement subject to the standard terms and conditions outlined within this BellSouth Fast Packet Savings Plan tariff for such changes.

It is the responsibility of the customer to provide to the Telephone Company their choice of the above options prior to the completion of the 36th month of the promotional FSP Agreement. Failure of the customer to provide such direction shall result in (b) above being the default option for the customer and the FSP Agreement shall continue in effect for the remaining duration of the 60 to 83 month term subject to the standard terms and conditions of the FSP tariff.

⁽¹⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120). (N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

2 - General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.9 Installation Guarantee (Cont'd) Service

(E) The Service Installation Guarantee applies for the following Fast Packet Access Services⁽¹⁾ at DSO and DS1 levels only: BellSouth Exchange Access Frame Relay Service and Managed Shared Frame Relay Service. (N)

(F) Service Installation Guarantees do not apply:

- (1) on Switched (a.k.a. BellSouth SWA) and Special Access (a.k.a. BellSouth SPA) services installations, moves and rearrangement of service with an agreed upon service date interval of four business days or less following the Application Date of the service order. The Application Date for Switched (a.k.a. BellSouth SWA) and Special Access (a.k.a. BellSouth SPA) is as specified in Section 5.1.1(G).
- (2) on Special Access (a.k.a. BellSouth SPA) and Fast Packet Access service⁽¹⁾ orders for installations, moves and rearrangement of services with service dates that have been advanced from the standard or negotiated service interval as specified in Section 5.1.1(H), or (N)
- (3) 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 Telephone Company, acts of God, war, or other circumstances beyond the Telephone Company's control,
 - (c) unavailability of the customer's facilities and/or equipment,
- (4) to service requiring Special Construction as set forth in BellSouth Telecommunications Tariff F.C.C. No. 2.

⁽¹⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120). (N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
4 - End User Access Service (Cont'd)

4.6 Rate Regulations (Cont'd)

- (N) When an end user is provided a local exchange service which is not identified as Centrex, Business Service or Residence Service (e.g., Farm Service, Local Service), the Telephone Company will designate the service as Centrex Type Services, Business Service or Residence Service. The charges as set forth in 4.7 following for Centrex Type Services, Business Subscriber or Residence Subscriber in accordance with the designation will apply.
- (O) With the exception of Federal Universal Service Fund (FUSF) Surcharges recovered from Special Access end user customers described in Section 4.6(P) following, the Telephone Company will recover the FUSF Surcharge through flat-rated, monthly charges. FUSF Surcharges, as set forth in 4.7(F), following, will be billed to the end user subscriber of the associated local exchange service, with exception to Lifeline and Reseller customers.
- Dormitory lines that receive residential treatment as described in Section 4.6(C) preceding will be assessed the Primary or Additional Residential FUSF Surcharge as set forth in 4.7(F), following.
- (P) The Federal Universal Service Fund (FUSF) Surcharge recovers the Telephone Company's contributions to the Universal Service Support Mechanisms. Customers may certify exemption from FUSF Surcharges at the ACNA level, BAN level or circuit level. Certification at the ACNA level will exempt all BANs under the ACNA. Certification at the BAN level will exempt only the specified BANs. A customer must annually certify exemption from FUSF Surcharges.

A Federal Universal Service Fund (FUSF) Surcharge will be assessed to recurring and non-recurring end user customers. The monthly charge will be applied at the billing account level. The charge will be determined monthly by multiplying the current quarterly Federal Universal Service Fund (FUSF) Surcharge contribution factor, listed below, as released by the F.C.C., by the end user customer's monthly billing account level charges.

FUSF Surcharge Contribution Factor	0.326	(I)
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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
 4 - End User Access Service (Cont'd)

4.7 Rate Charges (Cont'd)

(E) Excess Line Port Charge

ALL STATES

	<u>USOC</u>	<u>Rate Per Month</u>
- Per Basic Rate ISDN Digital Subscriber Line	9ZEBR	\$ 2.44
- Per Primary Rate ISDN Interface	9ZEPR	14.00

(F) Federal Universal Service Fund (FUSF) Surcharge

Alabama

- Per Primary Residential Line or Trunk	FUJ1X	\$2.11	(I)	
- Per Additional Residential Line or Trunk	FUJAX	\$2.28		
- Per Single Line Business Line or Trunk	FUJ1X	\$2.11		
- Per Multi-Line Business Line or Trunk	FUJMX	\$4.40		
- Per Centrex Station Line (Note 1)	FUJMX	\$0.48		
- Per Basic Rate ISDN Digital Subscriber Line, Residence Subscriber	FUJAX	\$3.07		
- Per Basic Rate ISDN Digital Subscriber Line, Single Line Business Subscriber	FUJAX	\$3.07		
- Per Basic Rate ISDN Digital Subscriber Line, Multiline Business Subscriber (Note 2)	FUJAX	\$3.07		
- Per Primary Rate ISDN Interface	FUJMX	\$26.55		(I)

Florida

- Per Primary Residential Line or Trunk	FUJ1X	\$2.11	(I)	
- Per Additional Residential Line or Trunk	FUJAX	\$2.28		
- Per Single Line Business Line or Trunk	FUJ1X	\$2.11		
- Per Multi-Line Business Line or Trunk	FUJMX	\$4.89		
- Per Centrex Station Line (Note 1)	FUJMX	\$0.54		
- Per Basic Rate ISDN Digital Subscriber Line, Residence Subscriber	FUJAX	\$3.07		
- Per Basic Rate ISDN Digital Subscriber Line, Single Line Business Subscriber	FUJAX	\$3.07		
- Per Basic Rate ISDN Digital Subscriber Line, Multiline Business Subscriber (Note 2)	FUJAX	\$3.07		
- Per Primary Rate ISDN Interface	FUJMX	\$29.00		(I)

Note 1: For Centrex-type services (e.g. BellSouth ESSX service, BellSouth MultiServ service, BellSouth MultiServ Plus and BellSouth Centrex), the FUSF Surcharge will be assessed at one-ninth the Multiline Business charge.

Note 2: This Basic Rate ISDN FUSF Surcharge also applies to Basic Rate ISDN lines that are provided as part of a Centrex system, in lieu of the Centrex Station Line rate.

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
 4 - End User Access Service (Cont'd)

4.7 Rate Charges (Cont'd)

(F) Federal Universal Service Fund (FUSF) Surcharge (Cont'd)

Georgia

- Per Primary Residential Line or Trunk	FUJ1X	\$2.11	(I)
- Per Additional Residential Line or Trunk	FUJAX	\$2.28	
- Per Single Line Business Line or Trunk	FUJ1X	\$2.11	
- Per Multi-Line Business Line or Trunk	FUJMX	\$5.04	
- Per Centrex Station Line (Note 1)	FUJMX	\$0.56	
- Per Basic Rate ISDN Digital Subscriber Line, Residence Subscriber	FUJAX	\$3.07	
- Per Basic Rate ISDN Digital Subscriber Line, Single Line Business Subscriber	FUJAX	\$3.07	
- Per Basic Rate ISDN Digital Subscriber Line, Multiline Business Subscriber (Note 2)	FUJAX	\$3.07	
- Per Primary Rate ISDN Interface	FUJMX	\$29.75	

Kentucky

- Per Primary Residential Line or Trunk	FUJ1X	\$2.11	(I)
- Per Additional Residential Line or Trunk	FUJAX	\$2.28	
- Per Single Line Business Line or Trunk	FUJ1X	\$2.11	
- Per Multi-Line Business Line or Trunk	FUJMX	\$4.40	
- Per Centrex Station Line (Note 1)	FUJMX	\$0.48	
- Per Basic Rate ISDN Digital Subscriber Line, Residence Subscriber	FUJAX	\$3.07	
- Per Basic Rate ISDN Digital Subscriber Line, Single Line Business Subscriber	FUJAX	\$3.07	
- Per Basic Rate ISDN Digital Subscriber Line, Multiline Business Subscriber (Note 2)	FUJAX	\$3.07	
- Per Primary Rate ISDN Interface	FUJMX	\$26.55	

Note 1: For Centrex-type services (e.g. BellSouth ESSX service, BellSouth MultiServ service, BellSouth MultiServ Plus and BellSouth Centrex), the FUSF Surcharge will be assessed at one-ninth the Multiline Business charge.

Note 2: This Basic Rate ISDN FUSF Surcharge also applies to Basic Rate ISDN lines that are provided as part of a Centrex system, in lieu of the Centrex Station Line rate.

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
 4 - End User Access Service (Cont'd)

4.7 Rate Charges (Cont'd)

(F) Federal Universal Service Fund (FUSF) Surcharge (Cont'd)

Louisiana

- Per Primary Residential Line or Trunk	FUJ1X	\$2.11	(I)
- Per Additional Residential Line or Trunk	FUJAX	\$2.28	
- Per Single Line Business Line or Trunk	FUJ1X	\$2.11	
- Per Multi-Line Business Line or Trunk	FUJMX	\$4.71	
- Per Centrex Station Line (Note 1)	FUJMX	\$0.52	
- Per Basic Rate ISDN Digital Subscriber Line, Residence Subscriber	FUJAX	\$3.07	
- Per Basic Rate ISDN Digital Subscriber Line, Single Line Business Subscriber	FUJAX	\$3.07	
- Per Basic Rate ISDN Digital Subscriber Line, Multiline Business Subscriber (Note 2)	FUJAX	\$3.07	
- Per Primary Rate ISDN Interface	FUJMX	\$28.10	

Mississippi

- Per Primary Residential Line or Trunk	FUJ1X	\$2.11	(I)
- Per Additional Residential Line or Trunk	FUJAX	\$2.28	
- Per Single Line Business Line or Trunk	FUJ1X	\$2.11	
- Per Multi-Line Business Line or Trunk	FUJMX	\$4.52	
- Per Centrex Station Line (Note 1)	FUJMX	\$0.50	
- Per Basic Rate ISDN Digital Subscriber Line, Residence Subscriber	FUJAX	\$3.07	
- Per Basic Rate ISDN Digital Subscriber Line, Single Line Business Subscriber	FUJAX	\$3.07	
- Per Basic Rate ISDN Digital Subscriber Line, Multiline Business Subscriber (Note 2)	FUJAX	\$3.07	
- Per Primary Rate ISDN Interface	FUJMX	\$27.15	

Note 1: For Centrex-type services (e.g. BellSouth ESSX service, BellSouth MultiServ service, BellSouth MultiServ Plus and BellSouth Centrex), the FUSF Surcharge will be assessed at one-ninth the Multiline Business charge.

Note 2: This Basic Rate ISDN FUSF Surcharge also applies to Basic Rate ISDN lines that are provided as part of a Centrex system, in lieu of the Centrex Station Line rate.

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
 4 - End User Access Service (Cont'd)

4.7 Rate Charges (Cont'd)

(F) Federal Universal Service Fund (FUSF) Surcharge (Cont'd)

North Carolina

- Per Primary Residential Line or Trunk	FUJ1X	\$2.11	(I)
- Per Additional Residential Line or Trunk	FUJAX	\$2.28	
- Per Single Line Business Line or Trunk	FUJ1X	\$2.11	
- Per Multi-Line Business Line or Trunk	FUJMX	\$4.88	
- Per Centrex Station Line (Note 1)	FUJMX	\$0.54	
- Per Basic Rate ISDN Digital Subscriber Line, Residence Subscriber	FUJAX	\$3.07	
- Per Basic Rate ISDN Digital Subscriber Line, Single Line Business Subscriber	FUJAX	\$3.07	
- Per Basic Rate ISDN Digital Subscriber Line, Multiline Business Subscriber (Note 2)	FUJAX	\$3.07	
- Per Primary Rate ISDN Interface	FUJMX	\$28.95	

South Carolina

- Per Primary Residential Line or Trunk	FUJ1X	\$2.11	(I)
- Per Additional Residential Line or Trunk	FUJAX	\$2.28	
- Per Single Line Business Line or Trunk	FUJ1X	\$2.11	
- Per Multi-Line Business Line or Trunk	FUJMX	\$4.63	
- Per Centrex Station Line (Note 1)	FUJMX	\$0.51	
- Per Basic Rate ISDN Digital Subscriber Line, Residence Subscriber	FUJAX	\$3.07	
- Per Basic Rate ISDN Digital Subscriber Line, Single Line Business Subscriber	FUJAX	\$3.07	
- Per Basic Rate ISDN Digital Subscriber Line, Multiline Business Subscriber (Note 2)	FUJAX	\$3.07	
- Per Primary Rate ISDN Interface	FUJMX	\$27.70	

Note 1: For Centrex-type services (e.g. BellSouth ESSX service, BellSouth MultiServ service, BellSouth MultiServ Plus and BellSouth Centrex), the FUSF Surcharge will be assessed at one-ninth the Multiline Business charge.

Note 2: This Basic Rate ISDN FUSF Surcharge also applies to Basic Rate ISDN lines that are provided as part of a Centrex system, in lieu of the Centrex Station Line rate.

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
 4 - End User Access Service (Cont'd)

4.7 Rate Charges (Cont'd)

(F) Federal Universal Service Fund (FUSF) Surcharge (Cont'd)

Tennessee

- Per Primary Residential Line or Trunk	FUJ1X	\$2.11	(I)
- Per Additional Residential Line or Trunk	FUJAX	\$2.28	
- Per Single Line Business Line or Trunk	FUJ1X	\$2.11	
- Per Multi-Line Business Line or Trunk	FUJMX	\$4.11	
- Per Centrex Station Line (Note 1)	FUJMX	\$0.45	
- Per Basic Rate ISDN Digital Subscriber Line, Residence Subscriber	FUJAX	\$3.07	
- Per Basic Rate ISDN Digital Subscriber Line, Single Line Business Subscriber	FUJAX	\$3.07	
- Per Basic Rate ISDN Digital Subscriber Line, Multiline Business Subscriber (Note 2)	FUJAX	\$3.07	
- Per Primary Rate ISDN Interface	FUJMX	\$25.10	

Note 1: For Centrex-type services (e.g. BellSouth ESSX service, BellSouth MultiServ service, BellSouth MultiServ Plus and BellSouth Centrex), the FUSF Surcharge will be assessed at one-ninth the Multiline Business charge.

Note 2: This Basic Rate ISDN FUSF Surcharge also applies to Basic Rate ISDN lines that are provided as part of a Centrex system, in lieu of the Centrex Station Line rate.

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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

5.1 General

This section sets forth the regulations and orders related to charges for Access Orders for BellSouth SWA and Special Access (a.k.a. BellSouth SPA) Services. These charges are in addition to other applicable charges as set forth in other sections of this tariff.

An Access Order is an order to provide the customer with BellSouth SWA service, Special Access (a.k.a. BellSouth SPA) Service, Fast Packet Access Services⁽¹⁾, Intra-Office Collocation Cross Connect Service, Physical Access Cross Connect Service, and Virtual Access Cross Connect Service, or to provide changes to existing services. (N)

The Service Installation Guarantee, as set forth in 2.4.9 preceding, is applicable to specified services offered in this tariff. The Service Installation Guarantee is applied on a per service order basis for BellSouth SWA Services. The Service Installation Guarantee is applied on a per circuit basis for Special Access (a.k.a. BellSouth SPA) Services. The Service Installation Guarantee is applied on the Cross Connect elements only for Intra-Office Collocation Cross Connect Service, Physical Access Cross Connect Service, and Virtual Access Cross Connect Service.

5.1.1 Ordering Conditions

- (A) A customer may order any number of services of the same type and between the same premises on a single Access Order. All details for services for a particular order must be identical except for those for multipoint service.
- (B) The customer shall provide all information necessary for the Telephone Company to provide and bill for the requested service. In addition to the order information required in 5.2.2, 5.2.4, 5.2.6, 5.2.7 and 5.2.14 following, the customer must also provide:
- Customer name and premises address(es).
 - Billing name and address (when different from customer name and address).
 - Customer contact name(s) and telephone number(s) for the following provisioning activities: order negotiation, order confirmation, interactive design, installation and billing.

⁽¹⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared (N)

(This page filed under Transmittal No. 172)

BELLSOUTH TELECOMMUNICATIONS
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TARIFF F.C.C. NO. 1
1ST REVISED PAGE 5-1
CANCELS ORIGINAL PAGE 5-1

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120).

(This page filed under Transmittal No. 172)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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⁽¹⁾ Service (a.k.a. BellSouth SPA Program Audio) (N)
-
-
- 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)

(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.

⁽¹⁾ Program Audio is discontinued and no longer available in this publication (see (N) WC Dkt. 19-238).

(This page filed under Transmittal No. 172)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

Ordering Options for BellSouth SWA and Special Access (a.k.a. BellSouth SPA)
 Service (Cont'd)

5.4 Cancellation of an Access Order (Cont'd)

(B) (Cont'd)

(4) (Cont'd)

(e) Cancellation Charge Percentages

SPECIAL ACCESS (a.k.a. BellSouth SPA)

PROGRAM AUDIO ⁽¹⁾ 100.0 (a.k.a. BellSouth Program Audio)	1.4	4.1	5.8	8.3	11.5	16.2	28.0	37.1	49.5	80.5	(N)
HICAP (a.k.a. BellSouth SPA High Capacity)	12.9	29.2	33.1	35.5	37.5	42.9	55.7	66.2	69.9	86.2	100.0
DIGITAL DATA ACCESS (a.k.a. BellSouth SPA DSO Digital Data)	1.5	4.6	6.1	9.2	13.5	18.6	28.5	35.4	46.2	78.2	100.0
Intra-Office Collocation Cross Connect Service	12.9	29.2	33.1	35.5	37.5	42.9	55.7	66.2	69.9	86.2	100.0
Physical Access Cross Connect Service	12.9	29.2	33.1	35.5	37.5	42.9	55.7	66.2	69.9	86.2	100.0
Virtual Access Cross Connect Service	12.9	29.2	33.1	35.5	37.5	42.9	55.7	66.2	69.9	86.2	100.0

⁽¹⁾ Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238).

(N)
(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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

5.6 Minimum Period

- (A) Except as set forth in (B), (C) following and Sections 6.7.20, 6.7.21, 6.7.22, 7.4.27, 9.1.4(A), 13.3.5(C)(1)(b), (c) and (d), and of this Tariff, the minimum period for which charges are applicable for Access Service is one month.
- (B) The minimum period for part-time Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video), and Program Audio⁽¹⁾ (a.k.a. BellSouth SPA Program Audio) Special Access (a.k.a. BellSouth SPA) services is one day even though the service will be provided only for the duration of the event specified on the order (e.g., one-half hour, two hours, five hours, etc.). (N)
- (C) The minimum period for BellSouth Remote Access Service is twelve months.
- (D) Service Rearrangements as set forth in Sections 6.7.1(D)(3), 7.4.1(C)(3) and Transfer of Service as set forth in Sections 6.7.1(D)(4) and 7.4.1(C)(4) of this Tariff for BellSouth SWA and Special Access (a.k.a. BellSouth SPA) services respectively, may be made without a change in minimum period requirements.
- (E) Changes, other than those identified in Sections 6.7.1(D)(3) and (4) and 7.4.1 (C)(3) and (4) of this Tariff, will be treated as a discontinuance of the existing service and an installation of a new service. All associated nonrecurring charges will apply for the new service. A new minimum period will be established for the new service. The customer will also remain responsible for all outstanding minimum period obligations associated with the disconnected service.

The changes listed below are those that will be treated as a discontinuance and installation of service and for which a new minimum period will be established.

- (1) A move to a different building as set forth in Sections 6.7.7 or 7.4.5 of this Tariff.
- (2) A change in type of service (i.e., BellSouth SWA to Special Access (a.k.a. BellSouth SPA), one type of Special Access (a.k.a. BellSouth SPA) service to another, or one type of BellSouth SWA Access service to another except as set forth in Section 6.7.6 of this Tariff).
- (3) A change in the type of BellSouth SWA Local Channel, Special Access (a.k.a. BellSouth SPA) Service Local Channel.

- (1) Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238). (N)
(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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

5.6 Minimum Period (Cont'd)

5.6.1 Minimum Period Charges (Cont'd)

- (C) The Minimum Period Charges for BellSouth SWA FGD or BellSouth TSBSA 3 BellSouth SWA service will be as set forth in 2.4.2 preceding.
- (D) The Minimum Period Charge for part-time Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video), and Program Audio⁽¹⁾ (a.k.a. BellSouth SPA Program Audio) is the applicable daily rate for the service asset forth in 7.5 following. (N)
- (E) All applicable nonrecurring charges for the service will be billed in addition to the Minimum Period Charge.

⁽¹⁾ Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238).

(N)
(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

6 - BellSouth SWA Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) BellSouth SWA Transport (Cont'd)

premises and the Company's end office switch. The DNAL provides for the transport of data and control information through voice grade (a.k.a. BellSouth SPA DSO VG) or program audio⁽¹⁾ (a.k.a. BellSouth SPA Program Audio) facilities. DNALs are further described in Section 6.1.3(A)(5)(f). DNALs are provided in accordance with technical references and publications TR-NWT-000335, MDP 326-584 and TR-NPL-000337, and as specified in 6.1.3(A)(5)(f) and (y). (N)

BellSouth SWA Transport is provided at the rates and charges set forth in 6.8.1 following. The application of these rates with respect to the different types of service is as set forth in 6.7.1 following.

The basic components applicable to BellSouth SWA Transport are Switched Local Channel, Switched Interoffice Channel (for dedicated and common transport), Channelization Equipment, Access Tandem Switching, Dedicated Tandem Trunk Port Service and Interconnection. These are defined as follows:

(1) Switched Local Channel

The Switched Local Channel provides a communications path between the customer's premises and the serving wire center of that premises. Included as part of the Switched Local Channel is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the customer's point of termination. The Switched Local Channel is capable of carrying a combination of Switched Access traffic types (e.g. BellSouth SWA FGs, BellSouth SWA 8XX Toll Free Dialing Ten Digit Screening service and BellSouth SWA 900, etc.)

The Switched Local Channel rate is assessed a monthly fixed charge based on the capacity (e.g. BellSouth SWA Voice Grade, DS1, DS3) ordered. This charge will also apply when the customer premises and the serving wire center are located in the same Telephone Company building.

⁽¹⁾ Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238).

(N)
(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

6 - BellSouth SWA Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) BellSouth SWA Transport (Cont'd)

(6) Interface Group Arrangements (Cont'd)

(f) Dedicated Network Access Line (DNAL)

The DNAL provides a connection between the customer designated premises and a Telephone Company central office (which provides LSBSA dial tone) for connection to equipment that is not a part of the central office switch but which is used to provide the associated BSE. The DNAL is used only in conjunction with BellSouth SWA LSBSA BSE services requiring a separate link for transmitting data or control information as specified in 6.3.3. The BellSouth SWA LSBSA BSE service determines the requirement for speed, type, and number of DNALs. DNAL Service is either a two-wire or four-wire channel providing either voice frequency transmission capability in the nominal frequency range of 200 to 3500 Hz, or program audio⁽¹⁾ transmission capability in the nominal frequency range of 50 to 8000 Hz, or digital transmission capability at 9.6 Kbps.

(N)

There are two basic rate categories which apply to DNALs. Each DNAL has one Switched Local Channel and one Switched Interoffice Channel as described below:

(i) DNAL Switched Local Channel

In general, the DNAL Switched Local Channel rate category provides for the communications path between the customer-designated premises and the serving wire center of that premises. DNAL local channels are available for voice grade (1200, 2400, 4800, 9600 baud ASCII), music and digital transmission applications. Rates and charges are set forth in tariff section 6.8.1(H). One DNAL Switched Local Channel charge will apply per customer-designated premises at which the channel is terminated. This charge will also apply where the customer-designated premises and the serving wire center are located in the same Telephone Company building.

⁽¹⁾ Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238).

(N)
(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

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)

Following is a brief description of each type of channel:

Metallic⁽²⁾ (a.k.a. BellSouth SPA Metallic) - a channel for the transmission of low speed varying signals at rates up to 30 baud.

Telegraph Grade⁽²⁾ (a.k.a. BellSouth SPA Telegraph) - a channel for the transmission of binary signals at rates of 0 to 75 baud or 0 to 150 baud.

Voice Grade⁽²⁾ (a.k.a. BellSouth SPA DSO VG) - a channel for the transmission of analog signals within an approximate bandwidth of 300-3000 Hz.

WATS Access Line⁽²⁾ (WAL) (a.k.a. BellSouth SPA WATS Lines) - A channel from a customer designated premises to a WATS serving office for BellSouth SWA 8XX Toll Free Dialing Ten Digit Screening service, WATS (a.k.a. BellSouth SPA WATS), or similar services.

Program Audio⁽³⁾⁽⁵⁾ (a.k.a. BellSouth SPA Program Audio) - a channel for the transmission of audio signals. The nominal frequency bandwidths are from 50 to 15000 Hz, from 200 to 3500 Hz, from 100 to 5000 Hz or from 50 to 8000 Hz. (N)

Broadcast Quality Video⁽⁴⁾ (a.k.a. BellSouth SPA Broadcast Quality Video) - a channel for the transmission of a standard 525 line/60 field National Television Systems Committee (NTSC) - System M video signal and one or two associated 15 or 20 kHz audio signals. The video bandwidth is 4.2 MHz wide.

BellSouth SPA Modular Video Transport service¹ is a dedicated fiber transport service that interconnects at least two customer designated end point locations. Multiple locations may be interconnected with transport links to form one-way video rings.

- (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 November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.
- (3) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after November 1, 2020.
- (4) Effective December 31, 2020, Broadcast Video (TV1) service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rate until

BELLSOUTH TELECOMMUNICATIONS
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TARIFF F.C.C. NO. 1
6TH REVISED PAGE 7-2
CANCELS 5TH REVISED PAGE 7-2

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

the service is discontinued. AT&T currently plans to discontinue this Service on or after December 31, 2021.

(5) Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238).

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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

7.1 General (Cont'd)

7.1.2 Rate Categories

The following rate categories apply to Special Access (a.k.a. BellSouth SPA) Service:

- Local Channels (described in Section 7.1.2(A))
- Interoffice Channels (described in Section 7.1.2(B))
- Optional Features and Functions (described in Section 7.1.2(C))
- SMARTPath Area Connection (described in Section 7.1.2(E))
- SMARTPath Area Junction (described in Section 7.1.2(E))
- Fast Packet Access Services⁽¹⁾ (as set forth in Section 21 of this Tariff) (N)
- Digital Subscriber Line Access Services (as set forth in Section 28 of this Tariff)

(A) Local Channel

In general, the Local Channel rate category provides for the communications path between a customer-designated premises and the serving wire center of that premises. Included as part of the Local Channel is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. The signaling capability itself is provided as an optional feature as set forth in Section 7.1.2(C). One Local Channel charge will apply per customer-designated premises at which the channel is terminated. This charge will also apply where the customer designated premises and the serving Wire Center are collocated in a Telephone Company building. This charge will also apply where both customer-designated premises are in the same building, or where the service is provided without physically traversing the serving wire center. The charge also applies where the designated premises is served from a wire center other than the one from which the customer would normally obtain dial tone, i.e., an alternate serving wire center, as described in Section 7.2.9(A).

⁽¹⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer (N)

(This page filed under Transmittal No. 172)

BELLSOUTH TELECOMMUNICATIONS
Four AT&T Plaza, Dallas, Texas 75202

TARIFF F.C.C. NO. 1
3RD REVISED PAGE 7-5
CANCELS 2ND REVISED PAGE 7-5

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120).

(This page filed under Transmittal No. 172)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

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⁽³⁾ (a.k.a. BellSouth SPA Program Audio), Broadcast Quality Video⁽²⁾ (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. (N)

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.

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.

(2) Effective December 31, 2020, Broadcast Video (TV1) service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rate until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 31, 2021.

(3) Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238). (N)

(This page filed under Transmittal No. 172)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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⁽²⁾ (a.k.a. BellSouth SPA Metallic) (MT)
Telegraph Grade⁽²⁾ (a.k.a. BellSouth SPA Telegraph) (TG)
Voice Grade⁽²⁾ (a.k.a. BellSouth SPA DSO VG) (VG)
Program Audio⁽¹⁾⁽³⁾ (a.k.a. BellSouth SPA Program Audio) (AP)
Video (a.k.a. BellSouth SPA Video) (TV)

(N)

Digital Data Access⁽²⁾ (a.k.a. BellSouth SPA DSO Digital Data) Service (DDAS)
High Capacity (a.k.a. BellSouth SPA High Capacity) (HC)
WATS Access Line⁽²⁾ (a.k.a. BellSouth SPA WATS Line) (WAL)
Derived Data Channel⁽²⁾ (a.k.a. BellSouth SPA Derived Data Channel) Service (DDCS)

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.

⁽¹⁾ Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after November 1, 2020.

⁽²⁾ Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rate until the service is discontinued. AT&T currently plans to discontinue this service on or after June 30, 2024.

⁽³⁾ Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238).

(N)

(This page filed under Transmittal No. 172)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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.

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.

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 ⁽²⁾ (a.k.a. BellSouth SPA Metallic)	TR-NPL-000336	
Telegraph Grade ⁽²⁾ (a.k.a. BellSouth SPA Telegraph)	TR-NPL-000336	
Voice Grade ⁽²⁾ (a.k.a. BellSouth SPA DSO VG)	TR-NWT-000335	
	MDP 326-584	
Program Audio ⁽¹⁾⁽³⁾ (a.k.a. BellSouth SPA Program Audio)	TR-NPL-000337	(N)
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)	

⁽¹⁾ Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after November 1, 2020.

⁽²⁾ Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

BELLSOUTH TELECOMMUNICATIONS
Four AT&T Plaza, Dallas, Texas 75202

TARIFF F.C.C. NO. 1
3RD REVISED PAGE 7-22
CANCELS 2ND REVISED PAGE 7-22

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

⁽³⁾ Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238).

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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⁾⁽⁴⁾ (Cont'd)

7.2.3.1 WATS Access Line (a.k.a. BellSouth SPA WATS Line) (WAL) Service⁽⁴⁾ (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⁽⁴⁾ (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⁾⁽³⁾⁽⁵⁾

(N)

(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.
- (3) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after November 1, 2020.
- (4) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.
- (5) Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238).

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.4 Program Audio (a.k.a. BellSouth SPA Program Audio) Service⁽¹⁾⁽²⁾⁽³⁾ (Cont'd) (N)

(B) Technical Specifications Packages

Parameter*	Package AP-			
	1	2	3	4
Actual Measured Loss	X	X	X	X
Amplitude Tracking				
Crosstalk	X	X	X	X
Distortion Tracking				
Gain/Frequency Distortion	X	X	X	X
Group Delay				
Noise	X	X	X	X
Phase Tracking				
Short-Term Gain Stability				
Short-Term Loss				
Total Distortion	X	X	X	X

The technical specifications are delineated in Technical Reference TR-NPL-000337.

(C) Channel Interfaces

Compatible channel interfaces (CIs) are set forth in Technical Reference TR-NPL-000337.

CI	Bandwidth
PG-1	Nominal frequency from 50 to 15000 Hz
PG-3	Nominal frequency from 200 to 3500 Hz
PG-5	Nominal frequency from 100 to 5000 Hz
PG-8	Nominal frequency from 50 to 8000 Hz

Compatible channel interfaces are set forth in 7.3.5(D) following.

* The desired parameters are selected by the customer from the list of available parameters.

(1) Effective November 5, 2016, Program Audio (a.k.a. BellSouth SPA Program Audio) service in the Carbon Hill, Alabama and Kings Point, Florida Telephone Company wire centers is no longer available.

(2) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after November 1, 2020.

(3) Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238).

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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

7.2 Service Descriptions (Cont'd)

7.2.4 Program Audio (a.k.a. BellSouth SPA Program Audio) Service⁽¹⁾⁽²⁾⁽³⁾ (Cont'd) (N)

(D) Optional Features and Functions

(1) Central Office Bridging Capability

Distribution Amplifier

(2) Gain Conditioning

Control of 1004 Hz AML at initiation of service to 0dB ± 0.5 dB.

(3) Stereo

Provision of a pair of gain/phase equalized channels for stereo applications. (Additional AP channel must be ordered separately.)

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

	Available with Technical Specifications Package AP-			
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
Central Office Bridging Capability	X	X	X	X
Gain Conditioning	X	X	X	X
Stereo				X

(1) Effective November 5, 2016, Program Audio (a.k.a. BellSouth SPA Program Audio) service in the Carbon Hill, Alabama and Kings Point, Florida Telephone Company wire centers is no longer available for new Customers.

(2) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after November 1, 2020.

(3) Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238). (N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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)

(D) Optional Features and Functions (Cont'd)

(2) Channelization

(a) DS2 to DS1

An arrangement that channelizes a 6.312 Mbps channel to four DS1 channels.

(b) DS1C to DS1

An arrangement that channelizes a 3.152 Mbps channel to two DS1 channels.

(c) DS1 Basic Channelization System⁽¹⁾

An arrangement that channelizes a 1.544 Mbps channel to a maximum of twenty-four 64 kbps channels that may be used to activate both analog and digital services, e.g. Voice Grade (a.k.a. BellSouth SPA DSO VG) Program Audio (a.k.a. BellSouth SPA Program Audio)⁽²⁾⁽³⁾, Digital Data Access (a.k.a. BellSouth SPA DSO Digital Data) service, Metallic (a.k.a. BellSouth SPA Metallic) and WATS Access Line (a.k.a. BellSouth SPA WATS Line)⁽¹⁾ service. A DS1 Basic Channelization System requires a Central Office Channel Interface for each channel of lesser capacity.

(N)

(d) DS0 Basic Channelization System⁽¹⁾

An arrangement that channelizes a 64.0 kbps channel to subspeeds of up to twenty 2.4 kbps, ten 4.8 kbps, or five 9.6 kbps channels. A DS0 Basic Channelization System requires a Central Office Interface for each channel of lesser capacity.

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(2) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after November 1, 2020.

(3) Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238).

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

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 ⁽³⁾ (a.k.a. BellSouth SPA Metallic)	TR-NPL-000336	
(B) Telegraph Grade ⁽³⁾ (a.k.a. BellSouth SPA Telegraph)		TR-NPL-000
(C) Voice Grade ⁽³⁾ (a.k.a. BellSouth SPA DSO VG)	TR-TSY-000335 MDP 326-584	
(D) Program Audio ⁽²⁾⁽⁵⁾ (a.k.a. BellSouth SPA Program Audio)		TR-NPL-000
(E) Broadcast Quality Video ⁽⁴⁾ (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 (
(G) BellSouth SPA Modular Video Transport Service ⁽¹⁾	TR-73606 (BellSouth)	

- (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 November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after November 1, 2020.
- (3) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.
- (4) Effective December 31, 2020, Broadcast Video (TV1) service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add, or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rate until the service is discontinued. AT&T currently plans to discontinue this Service on or after December 31, 2021.
- (5) Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238).

(N)

(This page filed under Transmittal No. 172)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

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

There are three types of rates and charges. These are monthly rates, daily rates and nonrecurring charges. The rates and charges are described as follows:

(A) 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.

(B) Daily Rates

Daily rates are flat recurring rates that apply to each 24 hour period or fraction thereof that a Program Audio⁽¹⁾⁽²⁾ (a.k.a. BellSouth SPA Program Audio) or Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video) Special Access Service is provided for part-time or occasional use. For purposes of applying daily rates, the 24 hour period is not limited to a calendar day. (N)

Part-time or occasional Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video) or Program Audio⁽¹⁾⁽²⁾ (a.k.a. BellSouth SPA Program Audio) service provided within a consecutive 30-day period will be charged the daily rate, not to exceed an amount equal to the monthly rate. For each subsequent day or part day, a charge equal to 1/30th of the monthly rate shall apply. (N)

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after November 1, 2020.

(2) Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238). (N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

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 list below identifies the individual Special Access (a.k.a. BellSouth SPA) services provided under Section 7 of this Tariff which are eligible for Service Installation Guarantee credits as described 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.

Voice Grade⁽²⁾ (a.k.a. BellSouth SPA DSO VG),
Program Audio⁽¹⁾⁽³⁾ (a.k.a. BellSouth SPA Program Audio), (N)
Digital Data Access Service⁽²⁾ (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⁽²⁾ (a.k.a. BellSouth SPA Derived Data)
Channel service
Video (a.k.a. BellSouth SPA Video) services

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after November 1, 2020.

(2) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(3) Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238). (N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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

7.4 Rate Regulations (Cont'd)

7.4.3 Message Station Equipment Recovery Charge (Cont'd)

Pursuant to CC Docket 83-1145 Memorandum Opinion and Order adopted by the Federal Communications Commission on November 8, 1984 and released on November 9, 1984, 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 7.5.10 following.

7.4.4 Minimum Periods

The minimum service period for all services is one month except as specified following. The minimum service period for part-time and occasional Broadcast Quality Video (a.k.a. BellSouth SPA Broadcast Quality Video), and Program Audio⁽¹⁾⁽²⁾ (a.k.a. BellSouth SPA Program Audio) services is one day (i.e., a continuous 24-hour period, not limited to a calendar day). The minimum service period for ICB Services is specified in the Individual Case Basis Filing. The minimum service periods for LightGate service (a.k.a. BellSouth SPA Point to Point Network) are specified in 7.4.9 following. The minimum service period for DS1 Alternate Serving Wire Center Service is 12 months. The minimum service period for SMARTPath service (a.k.a. BellSouth SPA DS1 Shared Ring) is four months. The minimum service period for SMARTPath DS3 Transport (a.k.a. BellSouth SPA DS3 Shared Ring) service is 12 months.

(N)

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after November 1, 2020.

(2) Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238).

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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

7.4 Rate Regulations (Cont'd)

7.4.7 Facility Hubs

A customer has the option of ordering analog or digital high capacity facilities (i.e., Group, Supergroup, Mastergroup, DS1, DS1C, DS2, DS3, STS-1, OC-3, OC-12, OC-48, or OC-192) to a facility Hub for channelizing to individual services requiring lower capacity facilities (e.g., Digital Data Access⁽²⁾ (a.k.a. BellSouth SPA DSO Digital Data) service, Voice⁽²⁾ (a.k.a. BellSouth SPA DSO VG), Program Audio⁽¹⁾⁽³⁾ (a.k.a. BellSouth SPA Program Audio), etc.).

(N)

Different locations may be designated as Hubs for different facility capacities, e.g., channelization from digital to digital may occur at one location while channelization from digital to analog may occur at a different location. When ordering, the customer will specify the desired channelization Hub(s) selected from the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4. This tariff identifies the type(s) of channelization functions which are available and the serving wire centers at which they are available.

Some of the types of channelization available include the following:

- from higher to lower bit rate
- from higher to lower bandwidth
- from digital to voice frequency channels

End to end services may be provided on channels of these facilities to a Hub. The transmission performance for the end to end service provided between customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps facility is channelized to voice frequency channels, the transmission performance of the channelized services will be Voice Grade (a.k.a. BellSouth SPA DSO VG), not High Capacity (a.k.a. BellSouth SPA High Capacity).

The Telephone Company will commence billing the monthly rate for the facility to the Hub on the date specified by the customer on the service order. Individual services utilizing these facilities may be installed coincident with the installation of the facility to the Hub or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a Voice Grade or a high capacity analog or digital Local Channel, Interoffice Channel (when applicable) and the Basic Channelization System at the time the facility is installed. DS1 and DSO Basic Channelization Systems require a Central Office Channel Interface for activation of each lesser capacity channel. Individual service rates (by service type) will apply for a Local Channel, Central Office Channel Interface(s), and/or an additional Interoffice Channel (as required) for each channelized service. These will be billed to the customer as each individual service is installed.

(1)

change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(2)

Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition,

Effective No

BELLSOUTH TELECOMMUNICATIONS
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TARIFF F.C.C. NO. 1
2ND REVISED PAGE 7-135
CANCELS 1ST REVISED PAGE 7-135

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after November 1, 2020.

(3) Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238).

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

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⁽²⁾ (a.k.a. BellSouth SPA DSO Digital Data) Central Office Channel Interface are required for high speed or low speed DDAS⁽²⁾ (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⁽²⁾ (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⁽¹⁾⁽³⁾ (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. 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 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.

(N)

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.

- (1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after November 1, 2020.
- (2) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

BELLSOUTH TELECOMMUNICATIONS
Four AT&T Plaza, Dallas, Texas 75202

TARIFF F.C.C. NO. 1
3RD REVISED PAGE 7-136
CANCELS 2ND REVISED PAGE 7-136

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

(3) Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238).

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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

7.5 Rates and Charges (Cont'd)

7.5.9 High Capacity (a.k.a. BellSouth SPA High Capacity) Service (Cont'd)

ALL STATES (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
			<u>First</u>	<u>Additional</u>
(C) Optional Features and Functions (Cont'd)				
(2) Central Office Channel Interface				
- Per Interface				
- BellSouth SWA Access	1D1SW	\$ -	\$ -	\$ -
- Metallic ⁽¹⁾ (a.k.a. BellSouth SPA Metallic)	1D1ME	16.00	7.00	5.00
- Telegraph ⁽¹⁾ (a.k.a. BellSouth SPA Telegraph)	1D1TE	5.00	7.00	5.00
- Voice ⁽¹⁾ (a.k.a. BellSouth SPA DSO VG)	1D1VG	6.30	7.00	5.00
- WATS Access Line ⁽¹⁾ (a.k.a. BellSouth SPA WATS Line)	1D1WT	6.30	7.00	5.00
- Program Audio ⁽²⁾⁽³⁾ (a.k.a. BellSouth SPA Program Audio)				
- (monthly)	1D1PA	37.00	7.00	5.00
- (daily)	1D1PA	4.00	7.00	5.00
- DDAS ⁽¹⁾ (a.k.a. BellSouth SPA DSO Digital Data)	1D1DD	12.55	7.00	5.00
- Subrate ⁽¹⁾ (2.4, 4.8 and 9.6 Kbps)	1DOSR	12.55	7.00	5.00

(N)

(1) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after June 30, 2024.

(2) Effective November 20, 2019, this Service will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. AT&T currently plans to discontinue this Service on or after November 1, 2020.

(N)

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TARIFF F.C.C. NO. 1
5TH REVISED PAGE 7-315
CANCELS 4TH REVISED PAGE 7-315

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

(3) Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238).

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

11 - Special Facilities Routing of Access Services

11.1 General

The services provided under this tariff are provided over such routes and facilities as the Telephone Company may elect. Special Facilities Routing is involved when, in order to comply with requirements specified by the customer, the Telephone Company provides BellSouth SWA service, Special Access (a.k.a. BellSouth SPA) service or Special Federal Government Access Service in a manner which includes one or more of the following conditions:

(A) Diversity

Two or more services must be provided over not more than two different physical routes.

(B) Avoidance

A service must be provided on a route which avoids specified geographical locations.

(C) Cable-Only Facilities

Certain Voice Grade (a.k.a. BellSouth SPA DSO VG) services are provided on Cable-Only Facilities to meet the particular needs of a customer.

Service is provided subject to the availability of Cable-Only facilities. In the event of service failure, restoration will be made through the use of any available facilities as selected by the Telephone Company.

Avoidance and Diversity are available on BellSouth SWA service as set forth in 6.1.4 preceding; Metallic (a.k.a. BellSouth SPA Metallic), Telegraph Grade (a.k.a. BellSouth SPA Telegraph), Voice Grade (a.k.a. BellSouth SPA DSO VG), Program Audio⁽¹⁾ (a.k.a. BellSouth SPA Program Audio), Video (a.k.a. BellSouth SPA Video) and Wideband Analog (a.k.a. BellSouth SPA Wideband Analog), Wideband Data (a.k.a. BellSouth SPA Wideband Data), Digital Data Access (a.k.a. BellSouth SPA DSO Digital Data), High Capacity (a.k.a. BellSouth SPA High Capacity) services as set forth in 7.1.5 preceding and Special Federal Government Access Services as set forth in 10.6 preceding. Cable-Only Facilities are available for BellSouth SWA service as set forth in Section 6 preceding; Voice Grade (a.k.a. BellSouth SPA DSO VG) services as set forth in 7.2.3 preceding and Special Federal Government Access Services as set forth in 10.6 preceding. (N)

In order to avoid the compromise of special routing information, the Telephone Company will provide the required routing information for each specially routed service to only the ordering customer. If requested by the customer, this information will be provided when service is installed and prior to any subsequent changes in routing.

⁽¹⁾ Program Audio is discontinued and no longer available in this publication (see WC Dkt. 19-238). (N)
(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

The Telephone Company will provide two types of Fast Packet Access Services: Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) as described in Section 21.2 following and BellSouth Managed Shared Frame Relay Service (MSFRS) as described in 21.3 following. Switch locations supporting Fast Packet Access Services are as specified in the National Exchange Carrier Association (N.E.C.A.) Tariff F.C.C. No. 4.

Effective November 5, 2011, Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) as described in Section 21.2, following, and BellSouth Managed Shared Frame Relay Service (MSFRS) as described in 21.3, following, will no longer be available to new Customers. Existing term plan Customers, as of November 5, 2011, may add, move, remove or change lines and/or locations for the durations of their current term plan agreements, but may not enter into any new term plan agreements. Existing Customers will be permitted one extension of any existing, non-expired term plan agreement past its current term for twelve (12) months, provided the extension is signed on or before March 31, 2012. Upon expiration of any term plan agreement (including any permitted extension), service will continue on a month-to-month basis until the service is discontinued by the Telephone Company.

Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service have been discontinued and are no longer available in this publication (see WC Dkt. 11-120).

(N)
|
(N)

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Four AT&T Plaza, Dallas, Texas 75202

TARIFF F.C.C. NO. 1
2ND REVISED PAGE 21-1
CANCELS 1ST REVISED PAGE 21-1

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

(This page filed under Transmittal No. 172)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services⁽¹⁾

(N)

21.1 Application Testing

The purpose of an application test is to determine the appropriateness of that specific service(s) for that specific application prior to the customer placing a firm order for such service(s). The Telephone Company will provide a limited amount of such service(s) subject to conditions specified in 21.1.1 A-21.1.1 E following. Such service is to be utilized in an initial application test with a customer for no longer than 90 days (except as specifically stated otherwise in 21.1.1 E) from the date of installation. The following services are eligible for application testing: Exchange Access Frame Relay Service and Managed Shared Frame Relay Service.

- A. Services to be provided in an application test are subject to the availability of facilities and equipment as determined by the Telephone Company. The Telephone Company makes no warranties with respect to the performance of certain services for any and all possible customer applications which may utilize these services.
- B. Application testing is available on a one time per application basis. Only customers whose current interstate monthly billing from this tariff is equal to or greater than \$500,000 are eligible to participate in Application Testing. Before Application Testing can begin, customers must execute an Application Testing Enrollment Form.
- C. Services that are utilized in an application test with a customer may be provided credits during the application test period subject to the following maximum limits per customer per application test.
 - 1. The cumulative monthly recurring charge credits issued for the entire application test period per customer may not exceed the maximum limit of \$10,600.
 - 2. The cumulative credits issued for nonrecurring charges for the entire application test period per customer may not exceed the maximum limit of \$10,000.

Note 1: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services⁽²⁾

(N)

21.1 Application Testing (Cont'd)

- D. Such service is provided for the specific purpose of conducting an application test with a customer and is not intended to be utilized as a substitute for temporary service.
1. Upon completion of the application test where the customer determines that the performance of the services utilized are unacceptable for the application, the application test service will be removed without charge to the customer.
 2. Upon completion of the application test where the customer determines that the performance of the services utilized are acceptable for the application and no changes to the test service configuration are required, the customer will be billed the appropriate charges for the test service and monthly billing will begin at the time.¹
 3. Upon completion of the application test where the customer determines that the performance of the services utilized are acceptable for the application, however, the test service configuration must be changed, the customer shall be responsible for both the appropriate nonrecurring charges for the application test service plus all appropriate charges for the rearrangement of the service. Monthly billing shall begin for the rearranged service.¹
- E. The Telephone Company may, at its discretion, extend the application testing period due to the following conditions: 1) Delay in provisioning of applicable test circuits due to circumstances beyond reasonable control (natural disasters, work stoppage, war, etc.), or 2) Technical problems encountered during the application testing period with either the Telephony Company or Customer equipment.
1. The per application test credits applicable for an application testing period including an extension shall still be limited to those set forth in 21.1.1 C. (i.e., no additional credits are provided as a result of the extension).

Note 1: Any additional service requested to be installed upon completion of the application test shall be subject to standard tariff nonrecurring charges and rates set forth in each service tariff.

Note 2: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service)⁽¹⁾

(N)

21.2.1 General Description

Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) is a connection oriented packet-switched data service allowing for the interconnection of local area networks (LANS) or other compatible customer equipment. This service provides efficient throughput at various transmission speeds.

XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) allows for the transfer of variable length frames (packets). Frames are relayed by virtual connections; frames travel a fixed path through the network although bandwidth is not dedicated to each virtual connection.

This service uses permanent virtual circuits (PVCs). A PVC is a logical channel from one XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) network interface to another XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) network interface. PVCs are end-to-end, bi-directional channels. PVCs are established either by the Company via the service provisioning process or by the customer using optional Customer Configuration Management Capability described in 21.2.9.(B)(6).

The XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) standard specifies an address field called the Data Link Connection Identifier (DLCI). The DLCI specifies a connection. A Standard PVC is created via the mapping of two Standard DLCIs; on an optional basis, features are available to allow the creation of Priority PVCs.

XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) is comprised of a network interface component plus optional features. Connection to XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) network interfaces may be accomplished through dedicated access. For interstate dedicated access, rates, charges, and regulations for Special Access (a.k.a. BellSouth SPA) Services are specified in Section 7 preceding. Only non-channelized bandwidth may terminate on an XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) network interface.

Note 1: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)⁽¹⁾

(N)

21.2.1 General Description (Cont'd)

There are two network interfaces available - a user network interface (UNI) and a network-to-network interface (NNI).

The user network interface (UNI) is a standard interface used to connect the customer to the XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) network. It receives the data frame from the customer's network or device and verifies that the DLCI is valid before relaying the frame to the destination. The UNI is offered at transmission speeds of 56 Kbps, 64 Kbps, 112 Kbps, 128 Kbps and 192 Kbps.

The network-to-network interface (NNI) specifies how an XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) switch sends and receives data from another provider's Frame Relay switch. The NNI is offered at transmission speeds of 56 Kbps, 64 Kbps, 112 Kbps, 128 Kbps and 192 Kbps.

Note 1: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)⁽¹⁾

(N)

21.2.1 General Description (Cont'd)

Additionally, Back-Up UNI and Back-Up NNI network interfaces are available to be utilized to provide Back-Up capability on an optional basis. Manual Back-Up Capability and Automatic Back-Up Capability provide the ability to have a back-up logical port configured to meet a customer's needs in the event that the customer's primary connection is disabled. Manual Back-Up is available at transmission speeds of 56 Kbps and 64 Kbps. Automatic Back-Up is available at transmission speeds of 56 Kbps and 64 Kbps. Connection to a Back-Up Network Interface is accomplished through dedicated access; for interstate dedicated access, rates, charges and regulations for Special Access (a.k.a. BellSouth SPA) Services are specified in Section 7 preceding. Both the Back-Up Network Interface and its associated transport are specifically dedicated to providing back-up service and remain idle except when being utilized for back-up purposes.

The customer must prearrange with the Company which Network Interface(s) may have their traffic redirected to a specific Back-Up Network Interface so that the necessary work is done by the Company which is required prior to back-up capability being possible. A Network Interface thus identified which may have its traffic redirected in the event of its failure is referred to as a back-up enabled primary Network Interface, or referred to herein as simply the primary Network Interface. A Network Interface which is not enabled to work with a Back-Up, is referred to as a standard Network Interface.

A primary Network Interface may have only one Back-Up Network Interface identified. For Manual Back-Up Capability, a Back-up Network Interface may serve as the back-up for more than one primary Network Interface. For Automatic Back-Up Capability, a Back-up Network Interface may serve as the back-up for only one primary Network Interface.

Note 1: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)⁽¹⁾

(N)

21.2.1 General Description (Cont'd)

The customer(s) involved in a back-up arrangement must provide the appropriate information on 1) which Back-Up Network Interface operates with each primary Network Interface and 2) who has the authority to request the traffic to be redirected from the primary Network Interface to the Back-Up Network Interface (and vice versa).

Manual Back-Up Capability is manually activated by the Company when the authorized contact identified by the customer requests service from the primary Network Interface to be redirected to its pre-identified Back-Up Network Interface. (All DLCIs associated with the primary Network Interface are rerouted to the Back-Up Network Interface.) At the direction of the authorized contact identified by the customer, the Company subsequently then redirects traffic from the Back-Up Network Interface to the primary Network Interface.

Automatic Back-Up Capability automatically initiates the transfer of virtual circuits from the primary Network Interface to the specified Back-Up Interface in the event the integrity fails on the primary Network Interface. Once the primary Network Interface is restored, at the direction of the authorized contact identified by the customer, the Company will subsequently redirect traffic from the Back-Up Network Interface to the primary Network Interface. If the primary Network Interface is recovered and a failure occurs on the Back-Up Network Interface before the customer requests the switchover back to the primary Network Interface, Automatic Back-Up Capability will automatically move the virtual circuits to the primary Network Interface.

A primary Network Interface that is a UNI can only be associated with a UNI Back-Up. A primary Network Interface that is an NNI can only be associated with an NNI Back-Up.

The Manual Back-Up Network Interface may or may not be in the same switch node as the primary Network Interface. For diversity, the Manual Back-Up Network Interface will be on a separate card.

The Automatic Back-Up Network Interface must be in the same switch node as the primary Network Interface. For diversity, the Automatic Back-Up Network Interface will be on a separate card.

For Manual Back-Up Capability and Automatic Back-Up Capability, it is strongly recommended that the size of the Back-Up Network Interface must be the same size as the customer's largest primary Network Interface. In the event that the customer chooses to utilize a Back-Up Network Interface that is a lower speed than the primary Network Interface, the Company cannot guarantee the sufficiency of the Back-Up Network Interface to protect the customer's primary data. There exists the realistic possibility that due to the lower amount of physical bandwidth on the Back-Up Network Interface, not all of the customer's virtual circuits will be provisioned to the Back-Up Network Interface. Network congestion may be encountered which may result in packets of data being discarded or entire locations without access to Back-Up Capability.

Note 1: See Page 21-1 for service availability information.

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)⁽¹⁾

(N)

21.2.2 Service Description

(1) Installation of Service

Nonrecurring charges apply to each UNI or NNI on each XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) installed, except as set forth in 21.2.8 following.

Nonrecurring charges for the Network Interface elements are set forth in 21.2.10(A) following.

(2) Installation of Optional Features

Nonrecurring charges apply to the installation of optional features as set forth in 21.2.10(B) following.

(3) Service Rearrangements

Service rearrangements are changes to existing (installed) services which do not result in a change in the minimum period requirements as set forth in 5.6(E) preceding. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts. A change which results from a transfer of service is described and charged as set forth in (4) and 21.1.10(D) following.

- (a) Requests for PVC rearrangements may result in the service being unavailable during the time that such rearrangements are performed/provisioned by the Telephone Company.

Customer requests for PVC rearrangements that are submitted with a due date, specified worktime (in Eastern Time), contact name and contact phone number will be performed on the due date at the time requested by the customer.

Customer requests for PVC rearrangements that are submitted with a due date but without the specified worktime (in Eastern Time), contact name and contact phone number will be performed on the due date plus one day, between Midnight and 4:00 A.M. Eastern Time.

Note 1: See Page 21-1 for service availability information.

(N)

(This page filed under Transmittal No. 172)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)⁽¹⁾

(N)

21.2.2 Service Description (Cont'd)

(3) Service Rearrangements (Cont'd)

(b) Requests for an existing XAFRS service to be rearranged to utilize a different XAFRS switch (e.g., to allow the customer to order features/functions not technically available out of the current XAFRS switch) will result in the service being unavailable during the time that such rearrangement activity is performed/provisioned by the Telephone Company; this time will not be considered as down time for SLA Network Availability purposes.

Following are the appropriate charges for such a service rearrangement:

- When the XAFRS Network Interface is requested to be provisioned off another XAFRS switch in the same Telephone Company Central Office as the existing switch being used, no nonrecurring charges shall be applicable.
- When the XAFRS Network Interface is requested to be provisioned off another XAFRS switch in a different Telephone Company Central Office from the existing switch being used, the request shall be treated as a disconnect of the existing service. The service requested to be provided out of the new switch located in a different Telephone Company Central Office shall be treated as a new connect with full nonrecurring charges being applicable.

(4) Transfer of Service

When a change in billing data (e.g., name, address, contract name, or telephone number) is requested in association with a change in the customer's record, transfer of service charges, as set forth in 21.2.10(D) following will apply. Charges are applied on a Billing Account Number (BAN).

Note 1: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)⁽¹⁾

(N)

21.2.2 Service Description (Cont'd)

(5) Maintenance

In order to maintain the quality of XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service), the Telephone Company reserves the right to perform preventive maintenance and software updates to the network. This could result in XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) being unavailable during the time period between 12:00 midnight and 6:00 A.M. Eastern Time seven days a week in all states. The Telephone Company only expects to utilize this maintenance window for any given switch on the average of once a quarter. However, the Telephone Company reserves the right to perform maintenance at any time at its discretion that it believes such maintenance is necessary. The Telephone Company will make a reasonable effort to provide notice to those customers likely to be affected by such maintenance work.

Note 1: See Page 21-1 for service availability information.

(This page filed under Transmittal No. 172)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)⁽¹⁾

(N)

21.2.2 Service Description (Cont'd)

(6) Service Level Agreements

Service Level Agreements (SLAs) provide the Company's service level commitments for specific aspects of its Frame Relay network's performance. SLAs are only provided for customers with at least ten Frame Relay UNIs and or NNIs. Such customers must also subscribe to BellSouth CNM-NVS (specifically CNM-NVS Fault Management, On Demand Statistics and Performance Reports) which is the primary monitoring and reporting tool used for determining performance results and missed commitments.

SLA commitments only apply for service wholly within Company territory; SLA commitments will not apply for service which is part of a jointly provided service.

- (a) SLA commitments are provided for Network Availability, Network Transit Delay and Frame Delivery Rate.
- (b) SLA credits are provided for missed commitments, except as specified otherwise in (c) and (d) following. An SLA report is provided through the CNM-NVS system that provides details of missed commitments upon which credits will be issued; the SLA report is available on a calendar month basis. Credits are automatically issued based upon the end-of-month SLA report; such credits shall only be issued once a month. The Company's calculation of its performance through the CNM-NVS system shall be the sole determinate of the Company's obligation to provide a credit for a missed performance commitment as set forth in this tariff.
- (c) SLA credits for missed commitments do not apply when any commitment is not met because the Company does not have control over the circumstances causing the commitment to be missed. Situations over which the Company does not have control can be defined as, but not limited to the following:
 - any act, any omission or negligence on the part of the customer, any other customer or any third party, or of any other entity providing a portion of the service,
 - labor difficulties, governmental orders, civil commotions, acts of civil or military authority, embargoes, epidemics, declared National Emergencies, criminal actions against the Company, war, terrorist acts, riots, insurrections, fires, explosions, nuclear accidents, power blackouts, acts of God (including, but not limited to, earthquakes, floods or unusually severe weather conditions) or other circumstances beyond the Company's control,

Note 1: See Page 21-1 for service availability information.

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)⁽¹⁾

(N)

21.2.2 Service Description (Cont'd)

(6) Service Level Agreements (Cont'd)

(c) (Cont'd)

- the customer's premises equipment,
- unavailability of the customer's facilities and/or equipment, and
- customer oversubscription of the UNI/NNI beyond 200% (i.e., the sum of the total CIR of all PVCs carried by any UNI or NNI may not be greater than 200% of the UNI/NNI Network Interface speed).

(d) SLA credits for missed commitments do not apply for situations when the customer's service is out of operation as a result of 1) scheduled maintenance windows as set forth in 21.1.2(5) preceding and 2) customer requests for rearrangements which resulted in that service being unavailable as set forth in 21.2.2(3)(a) and (b) preceding. Time from such activity does not count towards the time a service is considered as unavailable during a calendar month for purposes of measuring for the Network Availability SLA.

(e) Service Level Commitments

SLA commitments for the specific aspects of the Frame Relay network's performance set forth in (a) preceding are measured on a specific calendar month basis. The specific network performance commitments provided and how their performance is measured through the NVS system for a calendar month are as follows:

(1) Network Availability Commitment: 99.9%

- The Network Availability commitment is provided on the customer's total Frame Relay network. Network Availability will measure the percentage of time during a calendar month that the customer's Frame Relay network is available.
- Network availability will be measured through the CNM-NVS system for the customer's total Frame Relay network and for each individual Frame Relay UNI/NNI for a whole calendar month.
- For the purpose of measuring Network Availability, times during which a Frame Relay UNI/NNI is out of operation in association with maintenance windows (as set forth in 21.2.2(5)) and in association with situations over which the Company does not have control (as set forth in 21.2.2(6)(c)) are counted as "available" time.

Note 1: See Page 21-1 for service availability information.

(N)

(This page filed under Transmittal No. 172)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)⁽¹⁾

(N)

21.2.2 Service Description (Cont'd)

(6) Service Level Agreements (Cont'd)

(e) Service Level Commitments (Cont'd)

(1) Network Availability Commitment: 99.9% (Cont'd)

- Total Frame Relay Network - Network Availability: Network Availability for the customer's total network is calculated by subtracting the total unavailable time for all the Frame Relay UNI/NNIs in a specific total calendar month, from the total available time for all the Frame Relay UNI/NNIs in that specific total calendar month, and then dividing the difference by the total available time for all the Frame Relay UNI/NNIs in that specific total calendar month. If the resulting percentage is less than 99.9%, the commitment for Network Availability has been missed; the SLA Network Availability credit will then be issued on any Frame Relay UNI/NNI whose specific individual Network Availability measurement is below 99.9%.
- Individual Frame Relay UNI/NNI - Network Availability: Network Availability for an individual Frame Relay UNI/NNI is calculated by first subtracting the unavailable time from the total available time for a specific calendar month, and then dividing it by the total available time for that specific calendar month. If the Network Availability SLA commitment was missed on the customer's total network and the resulting percentage for a specific individual Frame Relay UNI/NNI is less than 99.9%, the SLA Network Availability credit set forth in 21.2.2(6)(f)(1) will then be issued on that specific individual Frame Relay UNI/NNI.

(2) Network Transit Delay Commitment: 60 milliseconds, one-way

- The Network Transit Delay commitment is provided for each individual PVC within the customer's Frame Relay network.
- Through the CNM-NVS System, Network Transit Delay will measure the average one-way transit time of a specific PVC's frames through the network within a specific calendar month. The transit time for each frame transmitted is measured from the originating Frame Relay UNI/NNI to the terminating Frame Relay UNI/NNI. The measurement for the Network Transit Delay commitment is the average transit time of a frame for a PVC, based upon all the frames transmitted for that PVC during that specific calendar month.

Note 1: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)⁽¹⁾

(N)

21.2.2 Service Description (Cont'd)

(6) Service Level Agreements (Cont'd)

(e) Service Level Commitments

(2) Network Transit Delay Commitment: 60 milliseconds, one-way (Cont'd)

- The average monthly Network Transit Delay for a PVC will be determined by dividing the sum of the actual transit time of each frame sent via the PVC that month by the total frames transmitted in that specific calendar month. If the resulting average transit time per frame for that PVC is greater than 60 milliseconds (one-way), the commitment has been missed for that PVC and the Network Transit Delay Credit set forth in 21.2.2(6)(f)(2) will then be issued on this Frame Relay PVC.

(3) Frame Delivery Rate Commitment: 99.9%

- The Frame Delivery Rate commitment is provided for each Frame Relay PVC that has a CIR of greater than 32 Kbps.
- Through the NVS System, Frame Delivery Rate will measure the percentage of frames successfully delivered for a PVC. The Frame Delivery Rate measures the quantity of frames transmitted versus quantity of frames received during a specific calendar month between the two Frame Relay UNI/NNI's forming the PVC (i.e., the difference in frames transmitted versus received are considered "dropped").
- The monthly Frame Delivery Rate for a qualifying PVC in a specific calendar month is determined by subtracting the total frames dropped from the total frames transmitted, divided by the total frames transmitted. If the resulting percentage representing the percent of frames delivered for that PVC is less than 99.9%, this commitment has been missed and the Frame Delivery Rate credit set forth in 21.2.2(6)(f)(3) will then be issued on this Frame Relay PVC.

Note 1: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)⁽²⁾

(N)

21.2.2 Service Description (Cont'd)

(6) Service Level Agreements (Cont'd)

(f) Credits for Missed SLA Commitments

The following credits are provided for SLA performance commitments missed during a calendar month subject to the conditions outlined herein 21.2.2(6).

Total SLA credits issued for an individual Frame Relay UNI/NNI in a specific calendar month cannot exceed the total monthly recurring charges billed for that Frame Relay UNI/NNI (i.e., cannot exceed the sum of the monthly billing for the XAFRS Network Interface rate element plus any rate elements for features).

(1) Network Availability SLA Credit¹:

- This credit is appropriate when the Network Availability commitment for the customer's total network is missed; this credit is then applied per individual Frame Relay UNI/NNI that does not specifically meet the Network Availability commitment.
- For each individual Frame Relay UNI/NNI not meeting this commitment for a specific calendar month, a credit equal to 1/30 of its monthly recurring charge for the XAFRS Network Interface rate element will be issued.

(2) Network Transit Delay SLA Credit¹:

- This credit is applied per individual Frame Relay PVC (i.e., a DLCI pair forming the PVC) that does not meet the Network Transit Delay commitment.
- For each PVC not meeting this commitment for a specific calendar month, a credit equal to \$3.00 for the affected DLCI pair will be issued.

Note 1: This credit will be reduced by the applicable Fast Packet Savings Plan (FSP) discount if the customer has an FSP agreement.

Note 2: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)⁽²⁾ (N)

21.2.2 Service Description (Cont'd)

(6) Service Level Agreements (Cont'd)

(f) Credits for Missed SLA Commitments (Cont'd)

(3) Frame Delivery Rate SLA Credit⁽¹⁾:

- This credit is applied per individual Frame Relay PVC (i.e., a DLCI pair forming the PVC) that does not meet the Frame Delivery Rate commitment.
- For each PVC not meeting this commitment for a specific calendar month, credits for the affected DLCI pair will be issued as follows:

. Recurring Charge Credit Per DLCI pair:	\$	3.00
. Recurring CIR Credit per DLCI pair:		
0 Bps CIR	\$	0.00
>0-32 Kbps CIR		6.30
>32-56 Kbps CIR		10.80
>56-64 Kbps CIR		11.70
>64-128 Kbps CIR		16.20
>128-256 Kbps CIR		21.60

Note 1: This credit will be reduced by the applicable Fast Packet Savings Plan (FSP) discount if the customer has an FSP agreement. (T)

Note 2: See Page 21-1 for service availability information. (N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)⁽¹⁾

(N)

21.2.3 Technical Specifications

The provision of Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) requires the applicable network interface component. In addition, the customers may add optional features. Each of the components of the service are described in this Section.

All services installed after the effective date of this tariff will conform to the transmission specification standards in the following references:

- UNI specifications for XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) are:

ANSI T1.617-1991, "Integrated Services Digital Network (ISDN) - Digital Subscriber Signaling System No. 1 (DSS1) - Signaling Specification for Frame Relay Service", American National Standards Institute, and ANSI T1.618-1991, "Integrated Services Digital Network (ISDN) - Core Aspects of Frame Relay Bearer Service", American National Standards Institute.

Document No. 001-208966, "Frame Relay Specification with Extension Based on Proposed T1S1 Standards", Digital Equipment Corporation, Northern Telecom, Inc., and StrataCom, Inc.

All UNI access facilities must be in conformance with ANSI standards T1.617-1991, T1.618-1991.

- NNI specifications for XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) are:

Frame Relay Forum Document FRF.2, Frame Relay Network-to-Network Phase 1 Implementation Agreement.

All NNI access facilities must be in conformance with ANSI standards and Bellcore Technical Reference TS-TSV-001370.

- Performance specifications and service details for XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) are provided in: BellSouth Technical Reference 73587, "Frame Relay Service Interface and Performance Specifications".

Note 1: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)⁽¹⁾

(N)

21.2.4 Interface Specifications

The following specifications are available with this service:

Digital packet (UNI)
Digital packet (NNI)

21.2.5 Acceptance Testing

At no additional charge, and at the customer's request, the Telephone Company will cooperatively test at the time of installation.

21.2.6 Ordering Options and Conditions

The Access Order, as set forth in Section 5 preceding, is used in the provisioning of Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service). Also included in that section are other charges which may be associated with ordering XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) (e.g., Service Date Change Charges, Cancellation Charges, etc.).

21.2.7 Minimum Period of Service

The minimum period is one month.

21.2.8 Rate Regulations

Rates and charges are specified in 21.2.10 following for Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service). XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) is available under the Fast Packet Services Payment Plan (SPP) as specified in 2.4.8(C) preceding.

Unless specified otherwise, Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) is available for use with the Fast Packet Savings Plan subject to the regulations provided in 2.4.8(F) preceding.

Note 1: See Page 21-1 for service availability information.

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service (Cont'd))⁽¹⁾

(N)

21.2.8 Rate Regulations (Cont'd)

A. Promotion - Regional InterLATA PVC Extension

For the promotional period beginning October 1, 2006, and ending December 31, 2006, customers who subscribe to the Regional InterLATA PVC Extension optional feature will have all nonrecurring charges associated with the optional feature waived, subject to the following conditions:

- All orders for the Regional InterLATA PVC Extension must have an Application Date that falls within the promotional period above.
- A minimum service period of six (6) months is required for the Regional InterLATA PVC Extension ordered under this promotion. If the customer disconnects the Regional InterLATA PVC Extension prior to the 6 months minimum service period, the customer must repay the credits received under this promotion and such amount will be billed to the customer within ninety (90) days of the disconnect date.

Note 1: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)⁽¹⁾

(N)

21.2.9 Rate Categories

The following rate categories apply to XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service):

(A) Network Interface

This rate category provides for the customer's termination on the Fast Packet switch. The Network Interface rate category includes the packet switching function. A recurring rate and nonrecurring charge is provided in 21.2.10 following for each transmission speed of standard or primary Network interface (both UNI and NNI) and Back-Up Network Interface (both UNI and NNI).

A nonrecurring Primary Network Interface Enablement/Change Charge provided in 21.1.10 following is applicable: 1) per existing standard Network Interface requested to be converted to a primary Network Interface (i.e., to be back-up enabled), 2) per existing primary Network Interface requested to be converted to a standard Network Interface (i.e., to disable the capability to be used with a Back-Up Network Interface), and 3) per existing primary Network Interface requested to be reassigned to work with a different Back-Up Network Interface. The Primary Network Interface Enablement/Change Charge shall only be applied when the customer provides the appropriate information on all of the service orders required such that all orders involved can be related and worked together. Failure by the customer(s) to provide adequate information to allow the orders to be appropriately related together will result in the billing of such orders as individual disconnects and new connects.

A customer request to convert a standard or primary Network Interface to a Back-Up Network Interface (or vice versa) shall be treated as a disconnect and new connect.

Note 1: See Page 21-1 for service availability information.

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)⁽¹⁾

(N)

21.2.9 Rate Categories (Cont'd)

(B) Optional Features

The Optional Features rate category provides for optional features that may be added to XAFRS (a.k.a. BellSouth Exchange Access Frame Relay Service) to improve its quality or utility to meet specific communications requirements.

(1) DLCIs per UNI or NNI

This feature provides for the assignment of Data Link Channel Identifiers (DLCIs) per UNI or NNI. One DLCI is required per UNI or NNI. When any two DLCIs are mapped together, a PVC can be created. On an optional basis, a single PVC may also be created via the mapping of a DLCI and an ATM Service PVC Segment.

One Initial DLCI is applicable when DLCIs are ordered at the same time as the installation of a UNI or NNI. Only one "Initial" DLCI (either one Initial Standard DLCI or one Initial Priority DLCI) is allowed per UNI or NNI. Additional DLCIs (beyond this initial DLCI) ordered with the installation of the UNI or NNI and any DLCIs ordered subsequent to the installation of the UNI or NNI are considered Additional DLCIs. A DLCI which is not a Priority DLCI, as discussed following, is referred to as a Standard DLCI.

Priority PVC capability allows a customer to differentiate specific PVCs with regard to the importance of the data within those PVCs as compared to other PVCs. In the case of contention or network congestion, the network will give precedence to the frames of a Priority PVC over frames of a Standard PVC. XAFRS (a.k.a., BellSouth Exchange Access Frame Relay service) allows the creation of Priority PVCs. Such a Priority PVC is formed by the mapping of two Priority DLCIs (as set forth in 21.2.10(B)); these Priority DLCIs must have an associated CIR value of greater than zero. A request to convert an existing Standard PVC to a Priority PVC (or vice versa) shall be considered as a request to disconnect the existing DLCIs and as a request to connect the new DLCIs.

Individual DLCI charges are not applicable to the standard configurable DLCIs provided within a Configurable DLCI Bundle associated with optional CNM-Customer Configuration Management Capability described in 21.2.9.(B)(6) following. Configurable DLCIs are considered as additional standard DLCIs.

Note 1: See Page 21-1 for service availability information.

(N)

(This page filed under Transmittal No. 172)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)⁽³⁾

(N)

21.2.9 Rate Categories (Cont'd)

(B) Optional Features (Cont'd)

(2) Committed Information Rate (CIR)

Committed Information Rate is a feature that enables the customer to select a sustained throughput under normal conditions. A CIR must be selected for each DLCI.

A standard CIR rate element is applicable per DLCI¹ when it is to be mapped to another DLCI to form a single PVC.

A Frame Relay to ATM Network Interworking CIR rate element is applicable per DLCI when it is to be mapped to an ATM Service PVC Segment to form a single Frame Relay to ATM Network Interworking PVC. The mapping of a DLCI to an ATM PVC Segment is permitted on a per PVC basis. The Frame Relay data is essentially encapsulated in an ATM Service bit stream and retrieved by the ATM customer's CPE as Frame Relay. Associated rates and charges for the related ATM Service apply as usual from the appropriate ATM Service tariff. Only Frame Relay DLCIs and ATM PVC Segments of a comparable quality of service can be mapped together to form a single PVC; the specific combinations of Frame Relay DLCIs and ATM PVC Segments permitted to be mapped together are as follows:

Frame Relay DLCI:

ATM PVC Segment²:

-Non-priority with 0 CIR	and	UBR
-Non-priority with >0 CIR	and	VBR-NRT
-Priority with >0 CIR	and	VBR-RT

The rate elements for standard CIR with a value greater than zero and all Frame Relay to ATM Network Interworking CIR have a separate charge. The CIR value selected cannot exceed the minimum transmission speed of the XAFRS Network Interface at either end of the PVC. (The Frame Relay network's burst capability and discard eligible feature are described in TR 73587.)

The CIR value of Priority DLCIs must be greater than zero.

Note 1: Not applicable to the standard configurable DLCIs provided within a Configurable DLCI Bundle (which include CIR of up to 64 Kbps per configurable DLCI) associated with optional Customer Configuration Management Capability.

Note 2: Due to technical limitations a mapping combination involving an ATM CBR PVC Segment is not possible.

Note 3: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)⁽¹⁾

(N)

21.2.9 Rate Categories (Cont'd)

(B) Optional Features (Cont'd)

(3) MultiCast PVC

MultiCast PVC capability allows a customer to establish a one-to-many broadcasting PVC that distributes data simultaneously from a host site to a group of predetermined remote sites (called a MultiCast PVC Group). Transmission on a MultiCast PVC is unidirectional (from the host to the remotes in each MultiCast PVC Group). All sites in a MultiCast PVC Group will be able to simultaneously receive a single packet transmission transmitted from the host; upon transmission from the host, the Frame Relay network replicates and distributes the packets to the various remote sites identified as members of the MultiCast PVC Group. A MultiCast PVC may be established as a Standard MultiCast PVC or a Priority MultiCast PVC (refer to description of Priority PVC capability discussed in 21.2.9(B)(1) preceding).

To create a MultiCast PVC, the customer must have established individual PVCs between the Network Interface of the host site and each Network Interface of each remote site that is to be a member of that specific MultiCast PVC Group. Standard tariff charges apply for the establishment of the DLCIs, CIR, etc. associated with these member PVCs. While these standard PVCs will be identified as members of a MultiCast PVC Group (and as such receive the unidirectional broadcast transmission from the host site), each individual PVC is still a bi-directional PVC capable of being used by the host site and remote site to communicate independently of the MultiCast PVC Group.

The customer shall provide a unique DLCI number to be used to identify each MultiCast PVC Group associated with a host site; this unique DLCI number will be used in establishing the MultiCast PVC and shall be utilized on an ongoing basis to refer to that specific MultiCast PVC when requesting any subsequent change activity to the associated MultiCast PVC Group. A host site can have more than one MultiCast PVC. A remote site can be a part of multiple MultiCast PVC Groups associated with the same or multiple other host site(s).

Each MultiCast PVC Group shall be established as a Standard MultiCast PVC Group or a Priority MultiCast PVC Group. A Standard MultiCast PVC Group shall be comprised of member PVCs established utilizing all Standard DLCIs; while not specifically required, it is strongly recommended that each member PVC in a Standard MultiCast PVC have DLCIs with an associated CIR value of greater than zero. A Priority MultiCast PVC Group shall be comprised of member PVCs established utilizing all Priority DLCIs; each member PVC in a Priority MultiCast PVC is required to have Priority DLCIs with an associated CIR value of greater than zero.

Note 1: See Page 21-1 for service availability information.

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)⁽¹⁾

(N)

21.2.9 Rate Categories (Cont'd)

(B) Optional Features (Cont'd)

(4) Intelligent PVC

Intelligent PVC capability allows automatic rerouting on a per PVC basis within the Frame Relay Service network. The Intelligent PVC feature is associated with a customer-specified three DLCI PVC. With the Intelligent PVC feature, a PVC is established between an originating DLCI (referred to as the pivot endpoint) and a primary terminating DLCI (referred to as the primary endpoint). Frames from the originating DLCI (pivot endpoint) will automatically be rerouted to a secondary terminating DLCI (referred to as the secondary endpoint) if the Frame Relay switch detects trouble associated with the primary terminating DLCI (primary endpoint). After such rerouting, the Frame Relay switch will continue to monitor the signals from the primary endpoint and when the trouble is cleared, will automatically reroute the frames going to the secondary endpoint back to the primary endpoint. The BellSouth document TR-73587 provides more detailed technical information on how Intelligent PVC capability is provided.

To create an Intelligent PVC, the customer requests the mapping of three DLCIs. An Intelligent PVC may be comprised of three Standard DLCIs or three Priority DLCIs. One Intelligent PVC Charge (a recurring rate) applies per customer-specified arrangement of three DLCIs and applies in addition to the appropriate nonrecurring and recurring charges for each of the three DLCIs. The Intelligent PVC Charge shall be billed to the Network Interface associated with the DLCI which is the pivot endpoint of this PVC.

A request to convert an existing two DLCI PVC into a three DLCI Intelligent PVC (or vice versa) shall be considered as a request to disconnect the existing PVC and as a request for connection of new DLCIs to form the new PVC.

The pivot endpoint of an Intelligent PVC must be provisioned out of a Company-provided Frame Relay switch. (If only Company provided switches are utilized in the total service configuration, no service limitations should occur; however, when a non-Company switch is involved in an Intelligent PVC configuration, service limitations may be encountered.)

Both the primary and secondary endpoints of an Intelligent PVC must be of the same service type.

Additionally, an Intelligent PVC configuration is not currently available with Manual Back-Up Capability or Automatic Back-Up Capability.

Note 1: See Page 21-1 for service availability information.

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)⁽¹⁾

(N)

21.2.9 Rate Categories (Cont'd)

(B) Optional Features (Cont'd)

(5) Special Provisioning

Special Provisioning (SP) provides redundancy for the broadband switch. The SP feature pairs two circuits together to minimize the risk that a single network element failure will result in a service interruption of both circuits. XAFRS Special Provisioning is available in 56 Kbps and 64 Kbps speeds. It is not available with Multilink Frame Relay. Special Provisioning provides diversity in one of two methods of port protection: Different Switch Diversity or Same Switch Diversity.

Different Switch Diversity allows port protection by provisioning two circuits on different switches, providing against port, card or switch failure. Both switches must be identified as having spare capacity, and will be provided by the Company where available.

If multiple switches with spare capacity do not exist in the central office providing switching, then the Company will choose to implement port protection by placing the two circuits on different cards on the switch (i.e. Same Switch Diversity). For Same Switch Diversity, there are separate cards associated with each circuit.

Note 1: See Page 21-1 for service availability information.

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service)⁽²⁾

(N)

21.2.9 Rate Categories (Cont'd)

(B) Optional Features (Cont'd)

(6) BellSouth Customer Network Management (CNM) - Customer Configuration Management Capability⁽¹⁾

BellSouth CNM-Customer Configuration Management Capability is optionally available for an XAFRS customer to have the ability to add, change and delete PVCs for their XAFRS Network Interface themselves, without utilizing the standard ordering/provisioning process to request the Company to perform these functions. PVCs created thru the standard ordering/provisioning process by the Company are standard non-configurable PVCs and cannot be modified by the customer as described herein thru CNM-Customer Configuration Management Capability; the customer is billed the preceding DLCI and CIR rates and charges for standard non-configurable PVCs. PVCs created thru CNM-Customer Configuration Management Capability are referred to as configurable PVCs and may be created and modified by the customer as described herein; the customer is billed the charges described following for such configurable PVCs. A customer may choose to utilize one or both of these methods for establishing PVCs on a given XAFRS Network Interface. Due to technical limitations, CNM-Customer Configuration Management Capability is not available on an XAFRS MultiLink Network Interface or on an XAFRS Network Interface which is a "primary" network interface in association with Back-Up Capability.

- (a) CNM-Customer Configuration Management Capability is available only for XAFRS Network Interfaces equipped with CNM-NVS and is available only for the customer to add, modify or delete configurable PVCs formed between similarly equipped Frame Relay service with CNM-NVS and CNM-Customer Configuration Management Capability.
- (b) CNM-Customer Configuration Management Capability is established via the standard ordering/provisioning process on a per XAFRS Network Interface basis when a minimum of one Configurable DLCI Bundle is ordered.
- (c) DLCIs in a Configurable DLCI Bundle will be referred to as configurable DLCIs. Two configurable DLCIs mapped thru CNM-Customer Configuration Management Capability form a configurable PVC.
- (d) To utilize CNM-Customer Configuration Management Capability, each XAFRS Network Interface must have a minimum of one Configurable DLCI Bundle ordered by the customer. More than one Configurable DLCI Bundle may be ordered for a specific XAFRS Network Interface to establish the block, or total quantity, of configurable DLCIs available for that XAFRS Network Interface. The block of configurable DLCIs established are only for the use of that single XAFRS Network Interface may not be "shared" with other XAFRS Network Interfaces.

Note 1: Effective May 16, 2008, BellSouth CNM-Customer Configuration Management Capability will not be available for new customer orders. Customers with existing service may continue using the service but new orders will not be accepted.

(T)

Note 2: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service)⁽¹⁾

(N)

21.2.9 Rate Categories (Cont'd)

(B) Optional Features (Cont'd)

(6) BellSouth Customer Network Management (CNM) - Customer Configuration Management Capability (Cont'd)

- (e) A monthly rate applies for each Configurable DLCI Bundle ordered and the rate varies based upon the quantity of configurable DLCIs included in each bundle. Each Configurable DLCI Bundle provides a specific quantity of standard configurable DLCIs, each with a maximum CIR of up to 64 Kbps per configurable DLCI. Customers will order the quantity and size bundles that will provide the total quantity or block of configurable DLCIs needed for an XAFRS Network Interface. The configurable DLCI block quantity is then the customer-established limit of the number of configurable DLCIs which the customer may manage on a specific XAFRS Network Interface. The block of configurable DLCIs selected for an XAFRS Network Interface may be increased or decreased as the customer's needs change. The Configurable DLCI Block Establishment/Change Charge is the nonrecurring charge applicable for initially ordering and provisioning the Configurable DLCI Bundle(s) to establish the configurable DLCI block and for making a subsequent request to change the block size (i.e., add or delete bundles).
- (f) The Configurable DLCI Block Establishment/Change Charge is a nonrecurring charge applicable to initially establish the block of configurable DLCIs for an XAFRS Network Interface. This charge is also applicable per subsequent request to change the size of the configurable DLCI block. Only one such nonrecurring charge applies per request regardless of how many Configurable DLCI Bundles are requested to initially establish the block or are requested subsequently to be added or deleted.
- (g) With CNM-Customer Configuration Management Capability the customer will have the capability to add, change and/or delete configurable PVCs formed by the mapping of two configurable DLCIs. A PVC cannot be established between a configurable DLCI and a non-configurable DLCI thru either CNM-Customer Configuration Management Capability or thru the standard ordering/provisioning process. CNM-Customer Configuration Management Capability cannot be utilized to make changes to a non-configurable PVC, and the standard ordering/provisioning process cannot be utilized to create, modify or delete a configurable PVC.
- (h) As a current technical limitation CNM-Customer Configuration Management Capability cannot be utilized for Priority PVCs, Intelligent PVCs, MultiCast PVCs or Frame Relay to ATM Interworking PVCs. Therefore, requests for these types of PVCs will have to be made thru the standard ordering/provisioning process for the Company to provision and will be subject to the preceding standard rates and charges for such features.

Note 1: See Page 21-1 for service availability information.

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service)⁽¹⁾

(N)

21.2.9 Rate Categories (Cont'd)

(B) Optional Features (Cont'd)

(6) BellSouth Customer Network Management (CNM) - Customer Configuration Management Capability (Cont'd)

- (i) CNM-Customer Configuration Management Capability may only be utilized to create configurable PVCs between two Frame Relay services equipped with CNM-NVS and CNM-Customer Configuration Management Capability within the same LATA.
- (j) A customer may request that some or all of the standard DLCIs associated with an existing XAFRS Network Interface with CNM- Customer Configuration Management Capability be converted to Configurable DLCIs. Only standard DLCIs that are mapped to other Network Interfaces also equipped for CNM-Customer Configuration Management can be converted (subject to any limitations set forth herein 21.2.9.(B)(6) on what types of Network Interfaces and PVCs are technically compatible with CNM-Customer Configuration Management Capability). The DLCI Conversion Charge is the nonrecurring charge applicable per standard DLCI requested to be converted to a configurable DLCI. Once converted to a configurable DLCI, that DLCI will be counted against the XAFRS Network Interface configurable DLCI block quantity; monthly rates for the standard DLCI and associated CIR will concurrently no longer apply.
- (k) A customer may request that some or all of the configurable DLCIs associated with an existing XAFRS Network Interface with CNM-Customer Configuration Management Capability be converted to standard DLCIs which the customer will no longer manage. Such requests will convert the configurable DLCI "as is" to a standard DLCI (i.e., standard additional DLCI with same CIR value). The DLCI Conversion Charge is the nonrecurring charge applicable per configurable DLCI requested to be converted to a standard DLCI. Once converted to a standard DLCI, that DLCI (and associated CIR) will begin billing the standard DLCI and CIR monthly rates and will concurrently no longer count against the configurable DLCI block quantity for that XAFRS Network Interface.

Note 1: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service)⁽¹⁾

(N)

21.2.9 Rate Categories (Cont'd)

(B) Optional Features (Cont'd)

(6) BellSouth Customer Network Management (CNM) - Customer Configuration Management Capability (Cont'd)

- (1) After the customer has established CNM-Customer Configuration Management Capability (by ordering Configurable DLCI Bundles to establish the configurable DLCI block for each XAFRS Network Interface) for their network, the customer will have access thru the NVS system to mechanically add, change and delete configurable PVCs between these XAFRS Network Interfaces.
- (m) A CNM-Customer Configuration Management service request is made thru CNM-NVS for a specific PVC activity (e.g., add configurable PVC, change CIR or endpoint on an existing configurable PVC, delete configurable PVC, etc.) involving Frame Relay services equipped with CNM-NVS and CNM-Customer Configuration Management Capability. Each CNM-Customer Configuration Management service request will be assigned a service request number to facilitate customer questions and to enable status and tracking.
- (n) A CNM-Customer Configuration Management service request will be provisioned within minutes; however a Cancellation Window of two hours is allowed after successful provisioning during which time the customer may submit a request thru CNM-NVS to cancel or "undo" the request before the change becomes permanent. The customer may specifically request to forgo (close) the Cancellation Window during which a particular service request may be cancelled and commit that CNM-NVS make the service request provisioning become permanent immediately. When the Cancellation Window expires without the customer canceling the service request or the customer foregoes/closes the Cancellation Window, the provisioned service request is made permanent and considered a completed transaction.
- (o) CNM-Customer Configuration Management Capability effectively provides the customer near real-time processing capability to allow them to manage the provisioning and change activities for configurable PVCs within their network. However, access to CNM-Customer Configuration Management Capability is not guaranteed for customer access and use twenty-four hours a day/seven days a week. Customer access may be periodically preempted for higher priority Company network management and maintenance activities. Customer inability to access the NVS/Customer Configuration Management systems during these periods will not be considered a service outage.

Note 1: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)⁽¹⁾

(N)

21.2.9 Rate Categories (Cont'd)

(C) Feature Change Charge

In addition to any specific Optional Feature charges, a Feature Change Charge applies whenever a change is made (at the customer's request) to a single optional feature within a single network configuration on a single switch. Although multiple changes may be caused by such actions, only one Feature Change Charge will apply.

(D) Transfer of Service

When a change to the customer of record is requested, transfer of service charges, as set forth in 21.2.10(D) following will apply. Charges are applied on a Billing Account Number (BAN).

Administrative changes, as identified below, will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Access Service to the same entity. (i.e., customer remains responsible for all outstanding indebtedness for Access 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 its name -- e.g., AT&T-Long Lines to AT&T-Long Lines to AT&T-Communications),
- Change of customer or customer's end user premises address when the change of address is not a result of physical relocation of equipment,
- Change in billing data (name, address, or contract name or telephone number. The customer of record does not change),
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user contact name of telephone number, and
- Change of jurisdiction.

All other service arrangements, including physical changes to existing services, will be charged as follows:

- If the change involves the addition of an optional feature which has a separate nonrecurring charge, that nonrecurring charge will apply.

Note 1: See Page 21-1 for service availability information.

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service (Cont'd)) (N)

21.2.10 Rates and Charges

(A) Network Interface

	USOC	Month to Month	A 12 to 24 Months	B 25 to 48 Months	Nonrecurring Charges	
(1) Standard or Primary Network Interfaces						
-	Per UNI					
-	56 Kbps	XAFU5	\$ 62.00	\$ 49.00	\$ 44.00	\$ 300.00
-	64 Kbps	XAFU6	70.00	56.00	50.00	300.00
-	112 Kbps	XAFUA	133.00	106.40	93.10	467.00
-	128 Kbps	XAFUB	133.00	106.40	93.10	467.00
-	192 Kbps	XAFUC	167.00	133.60	116.90	467.00

Note 1: See Page 21-1 for service availability information. (N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service (Cont'd)) (N)

21.2.10 Rates and Charges (Cont'd)

(A) Network Interface (Cont'd)

		Month to Month	A 12 to 24 Months	B 25 to 48 Months	Nonrecurring Charges	
	USOC					
(1) Standard or Primary Network Interfaces (Cont'd)						
-	Per NNI					
-	56 Kbps	XAFN5	62.00	49.00	44.00	300.00
-	64 Kbps	XAFN6	70.00	56.00	50.00	300.00
-	112 Kbps	XAFNA	133.00	106.40	93.10	467.00
-	128 Kbps	XAFNB	133.00	106.40	93.10	467.00
-	192 Kbps	XAFNC	167.00	133.60	116.90	467.00

Note 1: See Page 21-1 for service availability information. (N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service (Cont'd)) (N)

21.2.10 Rates and Charges (Cont'd)

(A) Network Interfaces (Cont'd)

	<u>USOC</u>	<u>Month to Month</u>	<u>A 12 to 24 Months</u>	<u>B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
(2) Back-Up Network Interfaces					
A. Manual Backup Capability					
Per UNI					
- 56 Kbps	XAFBA	31.00	25.00	22.00	300.00
- 64 Kbps	XAFBB	35.00	28.00	26.00	300.00
Per NNI					
- 56 Kbps	XAFBE	31.00	25.00	22.00	300.00
- 64 Kbps	XAFBF	35.00	28.00	26.00	300.00
B. Automatic Back-Up Capability					
Per UNI					
- 56 Kbps	XAFAA	31.00	25.00	22.00	300.00
- 64 Kbps	XAFAB	35.00	28.00	26.00	300.00
Per NNI					
- 56 Kbps	XAFAE	31.00	25.00	22.00	300.00
- 64 Kbps	XAFAF	35.00	28.00	26.00	300.00

(3) Primary Network Interface Enablement/Change Charge – applies as set forth in 21.2.9(A) in association with Back-Up Capability.

<u>USOC</u>	<u>Nonrecurring Charge</u>
XAFEC	125.00

Note 1: See Page 21-1 for service availability information.

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)⁽⁴⁾

(N)

21.2.10 Rate and Charges (Cont'd)

(B) Optional Features

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
- DLCI ¹			
- Initial Standard DLCI ²	XAFD1	None	None
- Additional Standard DLCI	XAFD2	\$1.50	\$70.00
- Initial Priority DLCI ^{2,3}	XAFP1	\$5.00	None
- Additional Priority DLCI ³	XAFP2	\$5.00	\$70.00
- Standard Pivot DLCI	XAFD3	\$1.50	\$70.00
- Standard Primary DLCI	XAFD4	\$1.50	\$70.00
- Standard Secondary DLCI	XAFD5	\$1.50	\$70.00
- Priority Pivot DLCI ³	XAFP3	\$5.00	\$70.00
- Priority Primary DLCI ³	XAFP4	\$5.00	\$70.00
- Priority Secondary DLCI ³	XAFP5	\$5.00	\$70.00

Note 1: These DLCI charges are not applicable for configurable DLCIs provided as part of a Configurable DLCI Bundle associated with CNM-Customer Configuration Management Capability.

Note 2: One "Initial" DLCI is applicable when DLCIs are ordered at the same time as the installation of the Network Interface. Only one Initial DLCI (either one Initial Standard DLCI or one Initial Priority DLCI) is allowed per Network Interface. All other DLCIs are considered Additional DLCIs.

Note 3: A Priority DLCI must have CIR with a value greater than 0.

Note 4: See Page 21-1 for service availability information.

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)⁽²⁾

(N)

21.2.10 Rate and Charges (Cont'd)

(B) Optional Features (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
- Standard Committed Information Rate (CIR) (Per DLCI to be mapped to another DLCI) cannot exceed the minimum transmission speed of the link at either end of the PVC. ¹			
- 0 Bps	XAFCA	None	None
- Over 0 thru 32 Kbps	XAFCB	\$ 6.30	None
- Over 32 thru 56 Kbps	XAFCC	10.80	None
- Over 56 thru 64 Kbps	XAFCD	11.70	None
- Over 64 thru 128 Kbps	XAFCE	16.20	None
- Over 128 thru 256 Kbps	XAFCH	21.60	None

Note 1: These CIR Charges are not applicable for configurable DLCIs provided within a Configurable DLCI Bundle (which include CIR of up to 64 Kbps per configurable DLCI) associated with Customer Configuration Management Capability.

(T)

Note 2: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd) (N)

21.2.10 Rate and Charges (Cont'd)

(B) Optional Features (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
- Frame Relay to ATM Network Interworking Committed Information Rate (CIR) (Per DLCI to be mapped to an ATM PVC Segment) cannot exceed the minimum transmission speed of the link at either end of the PVC			
- 0 Bps	XAF5A	\$.15	None
- Over 0 thru 32 Kbps	XAF5B	6.90	None
- Over 32 thru 56 Kbps	XAF5C	11.90	None
- Over 56 thru 64 Kbps	XAF5D	12.90	None
- Over 64 thru 128 Kbps	XAF5G	17.80	None
- Over 128 thru 256 Kbps	XAF5H	23.80	None
- Intelligent PVC Charge – One Intelligent PVC Charge applies per customer-specified arrangement of 3 DLCIs and is in addition to the charges for DLCIs.			

(1) Per Intelligent PVC

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
a. Each	FRV1P	\$ 2.00	None

Note 1: See Page 21-1 for service availability information.

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)⁽²⁾ (N)

21.2.10 Rate and Charges (Cont'd)

(B) Optional Features (Cont'd)

Special Provisioning⁽¹⁾

	USOC	Month to Month	A 12 to 24 Months	B 25 to 48 Months	Nonrecurring Charges
- Per UNI					
- 56 Kbps	XAFGA	\$ 9.00	\$ 7.00	\$ 6.00	\$ 45.00
- 64 Kbps	XAFGA	11.00	8.00	7.00	45.00

Note 1: Special Provisioning charges are in addition to Standard or Primary Network Interface charges. (T)

Note 2: See Page 21-1 for service availability information. (N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)⁽²⁾ (N)

21.2.10 Rate and Charges (Cont'd)

(B) Optional Features (Cont'd)

Special Provisioning⁽¹⁾ (Cont'd)

	<u>USOC</u>	<u>Month to Month</u>	<u>A 12 to 24 Months</u>	<u>B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
- Per NNI					
- 56 Kbps	XAFGA	\$ 9.00	\$ 7.00	\$ 6.00	\$ 45.00
- 64 Kbps	XAFGA	11.00	8.00	7.00	45.00

Note 1: Special Provisioning charges are in addition to Standard or Primary Network Interface charges. (T)

Note 2: See Page 21-1 for service availability information. (N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service)⁽¹⁾

(N)

21.2.10 Rates and Charges (Cont'd)

(B) Optional Features (Cont'd)

CNM-Customer Configuration Management Capability - Rate elements following for CNM-Customer Configuration Management Capability are applicable for DLCIs and CIR associated with configurable PVCs provisioned by the customer; these rates and charges apply in lieu of those preceding for DLCI and CIR rate elements applicable for standard PVCs provisioned by the Company.

- Configurable DLCI Bundles - Each bundle provides the specified quantity of configurable DLCIs, with up to 64 Kbps CIR per DLCI. Multiple bundles may be selected to secure the total quantity, or block, of configurable DLCIs for an XAFRS Network Interface.

	<u>USOC</u>	<u>Monthly Rate</u>
- 2 DLCI Bundle	XAFKA	\$ 16.50
- 5 DLCI Bundle	XAFKB	41.00
- 15 DLCI Bundle	XAFKC	121.00
- 25 DLCI Bundle	XAFKD	197.00
- 35 DLCI Bundle	XAFKE	270.00
- 50 DLCI Bundle	XAFKF	373.00
- 100 DLCI Bundle	XAFKG	664.00
- 200 DLCI Bundle	XAFKH	1,162.00
- 300 DLCI Bundle	XAFKJ	1,494.00
- 400 DLCI Bundle	XAFKK	1,660.00

- Configurable DLCI Block Establishment/Change Charge - This nonrecurring charge is applicable to initially establish the block of configurable DLCIs for an XAFRS Network Interface. This charge is also applicable per subsequent request to change the size of the block of configurable DLCIs. Only one such nonrecurring charge applies per request regardless of how many Configurable DLCI Bundles are requested to initially establish the block or are requested subsequently to be added or deleted.

	<u>USOC</u>	<u>Nonrecurring Charge</u>
- Per Request	XAFKY	\$45.00

- DLCI Conversion Charge - This nonrecurring charge is applicable per standard DLCI requested to be converted to a configurable DLCI and per configurable DLCI requested to be converted to a standard DLCI.

	<u>USOC</u>	<u>Nonrecurring Charge</u>
- Per DLCI	XAFKZ	\$16.00

Note 1: See Page 21-1 for service availability information.

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) (Cont'd)⁽¹⁾ (N)

21.2.10 Rate and Charges (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
(C) <u>Feature Change Charge</u>			
- Per Occurrence, Per Feature	XAFFC	None	50.00
(D) <u>Transfer of Service</u>			
- Per Billing Account Number	XAFTF	None	65.00

Note 1: See Page 21-1 for service availability information.

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS)⁽¹⁾

(N)

21.3.1 General Description

Managed Shared Frame Relay Service (MSFRS) provides total premises to switch connectivity to BellSouth's Frame Relay network through Network-to-Network Interfaces (NNI) or User-to-Network Interfaces (UNI) on the frame relay switch. MSFRS is a connection oriented packet-switched data service allowing for the interconnection of local area networks or other compatible customer equipment. Efficient throughput at various transmission speeds is performed. MSFRS allows for the transfer of variable length frames called packets. Frames are relayed by virtual connections; frames travel a fixed path through the network although bandwidth is not dedicated to each virtual connection.

MSFRS is a service under which the customer assigns to the Telephone Company the responsibility for facility design, engineering and routing of frame relay services in a MSFRS Service Area. A MSFRS Service Area is comprised of all the central offices in a geographic area (e.g., a large metropolitan area) as defined by the Telephone Company; these central offices are referred to as Service Area Points (SAP). The Telephone Company undertakes the responsibility to route the service from the customer's premises to the MSFRS network using whatever facilities and switch placement designs within the Service Area that would best deliver quality service. MSFRS facilities are stand-alone facilities and may not be provisioned over a customer's higher capacity Special Access facilities.

The rate structure for MSFRS is comprised of MSFRS Connections and Optional Features.

The primary MSFRS rate element is the MSFRS Connection. This rate element provides the transport from the customer's premises to the MSFRS network. All frame relay switches within the MSFRS Service Area are linked together to form the MSFRS network which is accessible through a MSFRS Connection.

MSFRS uses permanent virtual circuits (PVCs). A PVC is a logical channel from one MSFRS Connection to another MSFRS Connection (or to a network interface associated with Exchange Access Frame Relay Service). MSFRS utilizes an address field called the Data Link Connection Identifier (DLCI). A DLCI specifies a virtual connection associated with a specific MSFRS Connection. The mapping of two DLCIs through the service provisioning process creates a single PVC. An initial DLCI is included with the MSFRS Connection rate element, and additional DLCIs are available as Optional Features.

The appropriate rate for a MSFRS Connection is dependent upon the type of network interface requested, the transmission speed requested and whether or not the customer's serving wire center is in the MSFRS Service Area.

Note 1: See Page 21-1 for service availability information.

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽¹⁾

(N)

21.3.1 General Description (Cont'd)

MSFRS Connections are available with two types of network interfaces on the Frame Relay switch - a user network interface (UNI) and a network-to-network interface (NNI). A UNI is a standard interface used to connect the customer to the Frame Relay switch in the MSFRS network; it receives the data frame from the customer's network or device and verifies that the data link channel identifier is valid before relaying the frame to the destination. An NNI specifies how a Frame Relay switch within the MSFRS network sends and receives data to/from another Frame Relay switch.

MSFRS Connections are offered with either a UNI or NNI at transmission speeds of 56 Kbps, 64 Kbps, 112 Kbps, 128 Kbps and 192 Kbps. Additionally, MSFRS Back-Up Connections are available as UNI or NNIs at transmission speeds of 56 Kbps and 64 Kbps to be utilized to provide Back-Up Capability on an optional basis, which is discussed following.

A MSFRS Connection (by transmission speed and network interface type) is appropriate for a customer whose premises serving wire center is inside the MSFRS Service Area.

Where a customer premises serving wire center is outside the MSFRS Service Area (but within the same LATA), a MSFRS Extended Connection (by transmission speed and network interface type) is applicable based upon the mileage from the customer's serving wire center to the closest Service Area Point as designated by the Telephone Company (which is a central office inside the MSFRS Service Area). Six MSFRS Extended Connections are available which reflect mileage bands outside the Service Area. These mileage bands are: Over 0 to 20 miles, over 20 to 50 miles, over 50 to 75 miles, over 75 to 100 miles, over 100 to 125 miles and over 125 miles. These bands represent the airline mileage from the customer's serving wire center to the closest Service Area Point.

Information required to determine which Service Area is associated with a specific customer premises serving wire center and whether a specific customer premises serving wire center is inside a Service Area or requires a MSFRS Extended Connection is available from Appendix A of this tariff. If the serving wire center is outside a MSFRS Service Area, the V&H coordinates of the customer's serving wire center and the closest Service Area Point are utilized in calculating the airline mileage to determine the appropriate mileage band for the MSFRS Extended Connection.

Note 1: See Page 21-1 for service availability information.

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽¹⁾ (N)

21.3.1 General Description (Cont'd)

In LATAs where there are multiple MSFRS Service Areas, the customer may utilize a MSFRS Inter Service Area Link to have connectivity on a per PVC basis between MSFRS Connections in each Service Area. The inter service area portion of such a PVC is provisioned over a facility provided by the Telephone Company which allows customers to share bandwidth on these facilities that connect the two MSFRS Service Areas. This Optional Feature is called an Inter Service Area Link. Information provided in Appendix A of this tariff may be used to determine if two MSFRS Connections (based upon their associated customer premises serving wire centers) are in two different Service Areas within the same LATA and, therefore, require an Inter Service Area Link to form a PVC between them.

Note 1: See Page 21-1 for service availability information. (N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽¹⁾

(N)

21.3.1 General Description (Cont'd)

Manual Back-Up Capability and Automatic Back-Up Capability provide the ability to have a back-up logical port configured to meet a customer's needs in the event that the customer's primary connection is disabled. Manual Back-Up is available at transmission speeds of 56 Kbps and 64 Kbps. Automatic Back-Up is available at transmission speeds of 56 Kbps and 64 Kbps. A MSFRS Back-Up Connection is specifically dedicated to providing back-up service and remains idle except when being utilized for back-up purposes.

The customer must prearrange with the Company which MSFRS Connection(s) may have their traffic redirected to a specific MSFRS Back-Up Connection so that the necessary work is done by the Company which is required prior to back-up capability being possible. A MSFRS Connection thus identified which may have its traffic redirected in the event of its failure is referred to as a back-up enabled primary MSFRS Connection, or referred to herein as simply the primary MSFRS Connection. A MSFRS Connection which is not enabled to work with a Back-Up is referred to as a standard MSFRS Connection.

A primary MSFRS Connection may have only one MSFRS Back-Up Connection identified. For Manual Back-Up Capability, a MSFRS Back-Up Connection may serve as the back-up for more than one primary MSFRS Connection. For Automatic Back-Up Capability, a MSFRS Back-Up Connection may serve as the back-up for one primary MSFRS Connection.

The customer(s) involved in a back-up arrangement must provide the appropriate information on 1) which MSFRS Back-Up Connection operates with each primary MSFRS Connection and 2) who has the authority to request the traffic to be redirected from the primary MSFRS Connection to the MSFRS Back-Up Connection (and vice versa).

Manual Back-Up Capability is manually activated by the Company when the authorized contact identified by the customer requests service from the primary MSFRS Connection to be redirected to its pre-identified MSFRS Back-Up Connection. (All DLCIs associated with the primary MSFRS Connection are rerouted to the MSFRS Back-Up Connection.) At the direction of the authorized contact identified by the customer, the Company subsequently then redirects traffic from the MSFRS Back-Up Connection to the primary MSFRS Connection.

Automatic Back-Up Capability automatically initiates the transfer of virtual circuits from the primary MSFRS Connection to the specified MSFRS Back-Up Connection in the event the integrity fails on the primary MSFRS Connection. Once the primary MSFRS Connection is restored, at the direction of the authorized contact identified by the customer, the Company will subsequently redirect traffic from the MSFRS Back-Up Connection to the primary MSFRS Connection. If the primary MSFRS Connection is recovered and a failure occurs on the MSFRS Back-Up Connection before the customer requests the switchover back to the primary MSFRS Connection, Automatic Back-Up Capability will automatically move the virtual circuits to the primary MSFRS Connection.

Note 1: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽¹⁾

(N)

21.3.1 General Description (Cont'd)

A primary MSFRS Connection that is a UNI can only be associated with a UNI Back-Up. A primary MSFRS Connection that is an NNI can only be associated with an NNI Back-Up.

The Manual MSFRS Back-Up Connection may or may not be on the same switch node as the primary MSFRS Connection. For diversity, the Manual MSFRS Back-Up Connection will be on a separate card.

The Automatic MSFRS Back-Up Connection must be on the same switch node as the primary MSFRS Connection. For diversity, the Automatic MSFRS Back-Up Connection will be on a separate card.

For Manual Back-Up Capability and Automatic Back-Up Capability, it is strongly recommended that the size of the MSFRS Back-Up Connection must be the same size as the customer's largest primary MSFRS Connection. In the event that the customer chooses to utilize a MSFRS Back-Up Connection that is a lower speed than the primary MSFRS Connection, the Company cannot guarantee the sufficiency of the MSFRS Back-Up Connection to protect the customer's primary data. There exists the realistic possibility that due to the lower amount of physical bandwidth on the MSFRS Back-Up Connection, not all of the customer's virtual circuits will be provisioned to the MSFRS Back-Up Connection. Network congestion may be encountered which may result in packets of data being discarded or entire locations without access to Back-Up Capability.

Note 1: See Page 21-1 for service availability information.

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽¹⁾
21.3.2 Service Description

(N)

(1) Installation of Service

Nonrecurring charges apply to each MSFRS Connection installed.

Nonrecurring charges for MSFRS Connections are set forth in 21.3.10(A) following.

(2) Installation of Optional Features

Nonrecurring charges apply to the installation of Optional Features as set forth in 21.3.10(B) following.

(3) Service Rearrangements

Service rearrangements are changes to existing (installed) services that do not result in a change in the minimum period requirements as set forth in 5.6(E) preceding. Changes that result in the establishment of new minimum period obligations are treated as disconnects and starts. A change that results from a transfer of service is described and charged as set forth in (4) and 21.3.10(D) following.

- (a) Requests for PVC rearrangements may result in the service being unavailable during the time that such rearrangements are performed/provisioned by the Telephone Company.

Customer requests for PVC rearrangements that are submitted with a due date, specified worktime (in Eastern Time), contact name and contact phone number will be performed on the due date at the time requested by the customer.

Customer requests for PVC rearrangements that are submitted with a due date but without the specified worktime (in Eastern Time), contact name and contact phone number will be performed on the due date plus one day, between Midnight and 4:00 A.M. Eastern Time.

- (b) Requests for an existing MSFRS Connection to be rearranged to utilize a different MSFRS switch (i.e., to allow the customer to order features/functions not technically available out of the currently assigned MSFRS switch) will result in the service being unavailable during the time that such rearrangement activity is performed/provisioned by the Telephone Company; this time will not be considered as down time for SLA Network Availability purposes. The Telephone Company will fulfill such a request by rearranging the MSFRS Connection to be provisioned off another MSFRS switch (at the Telephone Company's discretion) that is in the same Telephone Company Central office as the existing switch being used. Nonrecurring charges shall not apply for such a rearrangement request.

Note 1: See Page 21-1 for service availability information.

(N)

(This page filed under Transmittal No. 172)

Material previously appearing on this page now appears on Original Page 21-30.1.

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽¹⁾

(N)

21.3.2 Service Description (Cont'd)

(4) Transfer of Service

When a change in billing data (e.g., name, address, contract name, or telephone number) is requested in association with a change in the customer's record, transfer of service charges, as set forth in 21.3.10(D) following will apply. Charges are applied on a Billing Account Number (BAN).

(5) Maintenance

In order to maintain the quality of MSFRS, the Telephone Company reserves the right to perform preventive maintenance and software updates to the network. This could result in MSFRS being unavailable during the time period between 12:00 midnight and 6:00 A.M. Eastern Time seven days a week in all states. The Telephone Company only expects to utilize this maintenance window for any given switch on the average of once a quarter. However, the Telephone Company reserves the right to perform maintenance at any time at its discretion that it believes such maintenance is necessary. The Telephone Company will make a reasonable effort to provide notice to those customers likely to be affected by such maintenance work.

Note 1: See Page 21-1 for service availability information.

(N)

(This page filed under Transmittal No. 172)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽¹⁾

(N)

21.3.2 Service Description (Cont'd)

(6) Service Level Agreements

Service Level Agreements (SLAs) provide the Company's service level commitments for specific aspects of its Frame Relay network's performance. SLAs are only provided for customers with at least ten Frame Relay UNIs and or NNIs. Such customers must also subscribe to BellSouth CNM-NVS (specifically CNM-NVS Fault Management, On Demand Statistics and Performance Reports) which is the primary monitoring and reporting tool used for determining performance results and missed commitments.

SLA commitments only apply for service wholly within Company territory; SLA commitments will not apply for service which is part of a jointly provided service.

- (a) SLA commitments are provided for Network Availability, Network Transit Delay and Frame Delivery Rate.
- (b) SLA credits are provided for missed commitments, except as specified otherwise in (c) and (d) following. An SLA report is provided through the CNM-NVS system that provides details of missed commitments upon which credits will be issued; the SLA report is available on a calendar month basis. Credits are automatically issued based upon the end-of-month SLA report; such credits shall only be issued once a month. The Company's calculation of its performance through the CNM-NVS system shall be the sole determinate of the Company's obligation to provide a credit for a missed performance commitment as set forth in this tariff.
- (c) SLA credits for missed commitments do not apply when any commitment is not met because the Company does not have control over the circumstances causing the commitment to be missed. Situations over which the Company does not have control can be defined as, but not limited to the following:
 - any act, any omission or negligence on the part of the customer, any other customer or any third party, or of any other entity providing a portion of the service,
 - labor difficulties, governmental orders, civil commotions, acts of civil or military authority, embargoes, epidemics, declared National Emergencies, criminal actions against the Company, war, terrorist acts, riots, insurrections, fires, explosions, nuclear accidents, power blackouts, acts of God (including, but not limited to, earthquakes, floods or unusually severe weather conditions) or other circumstances beyond the Company's control,

Note 1: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽¹⁾

(N)

21.3.2 Service Description (Cont'd)

(6) Service Level Agreements (Cont'd)

(c) (Cont'd)

- the customer's premises equipment,
- unavailability of the customer's facilities and/or equipment, and
- customer oversubscription of the UNI/NNI beyond 200% (i.e., the sum of the total CIR of all PVCs carried by any UNI or NNI may not be greater than 200% of the UNI/NNI Connection speed).

(d) SLA credits for missed commitments do not apply for situations when the customer's service is out of operation as a result of 1) scheduled maintenance windows as set forth in 21.3.2(5) preceding and 2) customer requests for rearrangements which resulted in that service being unavailable as set forth in 21.3.2(3)(a) and (b) preceding. Time from such activity does not count towards the time a service is considered as unavailable during a calendar month for purposes of measuring for the Network Availability SLA.

(e) Service Level Commitments

SLA commitments for the specific aspects of the Frame Relay network's performance set forth in (a) preceding are measured on a specific calendar month basis. The specific network performance commitments provided and how their performance is measured through the CNM-NVS system for a calendar month are as follows:

(1) Network Availability Commitment: 99.9%

- The Network Availability commitment is provided on the customer's total Frame Relay network. Network Availability will measure the percentage of time during a calendar month that the customer's Frame Relay network is available.
- Network availability will be measured through the CNM-NVS system for the customer's total Frame Relay network and for each individual Frame Relay UNI/NNI for a whole calendar month.
- For the purpose of measuring Network Availability, times during which a Frame Relay UNI/NNI is out of operation in association with maintenance windows (as set forth in 21.2.2(5)) and in association with situations over which the Company does not have control (as set forth in 21.3.2(6)(c)) are counted as "available" time.

Note 1: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽¹⁾

(N)

21.3.2 Service Description (Cont'd)

(6) Service Level Agreements (Cont'd)

(e) Service Level Commitments (Cont'd)

(1) Network Availability Commitment: 99.9% (Cont'd)

- Total Frame Relay Network - Network Availability: Network Availability for the customer's total network is calculated by subtracting the total unavailable time for all the Frame Relay UNI/NNIs in a specific total calendar month, from the total available time for all the Frame Relay UNI/NNIs in that specific total calendar month, and then dividing the difference by the total available time for all the Frame Relay UNI/NNIs in that specific total calendar month. If the resulting percentage is less than 99.9%, the commitment for Network Availability has been missed; the SLA Network Availability credit will then be issued on any Frame Relay UNI/NNI whose specific individual Network Availability measurement is below 99.9%.
- Individual Frame Relay UNI/NNI - Network Availability: Network Availability for an individual Frame Relay UNI/NNI is calculated by first subtracting the unavailable time from the total available time for a specific calendar month, and then dividing it by the total available time for that specific calendar month. If the Network Availability SLA commitment was missed on the customer's total network and the resulting percentage for a specific individual Frame Relay UNI/NNI is less than 99.9%, the SLA Network Availability credit set forth in 21.3.2(6)(f)(1) will then be issued on that specific individual Frame Relay UNI/NNI.

(2) Network Transit Delay Commitment: 60 milliseconds, one-way

- The Network Transit Delay commitment is provided for each individual PVC within the customer's Frame Relay network.
- Through the CNM-NVS System, Network Transit Delay will measure the average one-way transit time of a specific PVC's frames through the network within a specific calendar month. The transit time for each frame transmitted is measured from the originating Frame Relay UNI/NNI to the terminating Frame Relay UNI/NNI. The measurement for the Network Transit Delay commitment is the average transit time of a frame for a PVC, based upon all the frames transmitted for that PVC during that specific calendar month.

Note 1: See Page 21-1 for service availability information.

(N)

(This page filed under Transmittal No. 172)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽¹⁾

(N)

21.3.2 Service Description (Cont'd)

(6) Service Level Agreements (Cont'd)

(e) Service Level Commitments

(2) Network Transit Delay Commitment: 60 milliseconds, one-way (Cont'd)

- The average monthly Network Transit Delay for a PVC will be determined by dividing the sum of the actual transit time of each frame sent via the PVC that month by the total frames transmitted in that specific calendar month. If the resulting average transit time per frame for that PVC is greater than 60 milliseconds (one-way), the commitment has been missed for that PVC and the Network Transit Delay Credit set forth in 21.3.2(6)(f)(2) will then be issued on this Frame Relay PVC.

(3) Frame Delivery Rate Commitment: 99.9%

- The Frame Delivery Rate commitment is provided for each Frame Relay PVC that has a CIR of greater than 32 Kbps.
- Through the NVS System, Frame Delivery Rate will measure the percentage of frames successfully delivered for a PVC. The Frame Delivery Rate measures the quantity of frames transmitted versus quantity of frames received during a specific calendar month between the two Frame Relay UNI/NNI's forming the PVC (i.e., the difference in frames transmitted versus received are considered "dropped").
- The monthly Frame Delivery Rate for a qualifying PVC in a specific calendar month is determined by subtracting the total frames dropped from the total frames transmitted, divided by the total frames transmitted. If the resulting percentage representing the percent of frames delivered for that PVC is less than 99.9%, this commitment has been missed and the Frame Delivery Rate credit set forth in 21.3.2(6)(f)(3) will then be issued on this Frame Relay PVC.

Note 1: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽²⁾

(N)

21.3.2 Service Description (Cont'd)

(6) Service Level Agreements (Cont'd)

(f) Credits for Missed SLA Commitments

The following credits are provided for SLA performance commitments missed during a calendar month subject to the conditions outlined herein 21.3.2(6).

Total SLA credits issued for an individual Frame Relay UNI/NNI in a specific calendar month cannot exceed the total monthly recurring charges billed for that Frame Relay UNI/NNI (i.e., cannot exceed the sum of the monthly billing for the MSFRS Connection rate element plus any rate elements for features).

(1) Network Availability SLA Credit¹:

- This credit is appropriate when the Network Availability commitment for the customer's total network is missed; this credit is then applied per individual Frame Relay UNI/NNI that does not specifically meet the Network Availability commitment.
- For each individual Frame Relay UNI/NNI not meeting this commitment for a specific calendar month, a credit equal to 1/30 of its monthly recurring charge for the MSFRS Connection rate element will be issued.

(2) Network Transit Delay SLA Credit¹:

- This credit is applied per individual Frame Relay PVC (i.e., a DLCI pair forming the PVC) that does not meet the Network Transit Delay commitment.
- For each PVC not meeting this commitment for a specific calendar month, a credit equal to \$3.00 for the affected DLCI pair will be issued.

Note 1: This credit will be reduced by the applicable Fast Packet Savings Plan (FSP) discount if the customer has an FSP agreement.

Note 2: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽¹⁾

(N)

21.3.2 Service Description (Cont'd)

(6) Service Level Agreements (Cont'd)

(f) Credits for Missed SLA Commitments (Cont'd)

(3) Frame Delivery Rate SLA Credit¹:

- This credit is applied per individual Frame Relay PVC (i.e., a DLCI pair forming the PVC) that does not meet the Frame Delivery Rate commitment.
- For each PVC not meeting this commitment for a specific calendar month, credits for the affected DLCI pair will be issued as follows:

. Recurring Charge Credit Per DLCI pair:	\$	3.00
. Recurring CIR Credit per DLCI pair:		
0 Bps CIR	\$	0.00
>0-32 Kbps CIR		6.30
>32-56 Kbps CIR		10.80
>56-64 Kbps CIR		11.70
>64-128 Kbps CIR		16.20
>128-256 Kbps CIR		21.60

Note 1: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽¹⁾

(N)

21.3.3 Technical Specifications

The provision of MSFRS requires the applicable MSFRS Connection component. In addition, customers may add optional features. Each of the components of the service are described in this Section.

All services installed after the effective date of this tariff will conform to the transmission specification standards in the following references:

- UNI specifications for MSFRS are:

ANSI T1.617-1991, "Integrated Services Digital Network (ISDN) - Digital Subscriber Signaling System No. 1 (DSS1) - Signaling Specification for Frame Relay Service", American National Standards Institute, and ANSI T1.618-1991, "Integrated Services Digital Network (ISDN) - Core Aspects of Frame Relay Bearer Service", American National Standards Institute.

Document No. 001-208966, "Frame Relay Specification with Extension Based on Proposed T1S1 Standards", Digital Equipment Corporation, Northern Telecom, Inc., and StrataCom, Inc.

BellSouth Technical Reference 73587, "Frame Relay Service Interface & Performance Specifications" provides performance specifications and service details.

- NNI specifications for MSFRS are:

Frame Relay Forum Document FRF.2.1, "Frame Relay Network-to-Network Interface Implementation Agreement".

BellSouth Technical Reference 73587, "Frame Relay Service Interface & Performance Specifications" provides performance specifications and service details.

Note 1: See Page 21-1 for service availability information.

(N)

(This page filed under Transmittal No. 172)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽¹⁾

(N)

21.3.4 Interface Specifications

The following specifications of network interfaces are available with MSFRS Connections:

Digital packet (UNI)
Digital packet (NNI)

21.3.5 Acceptance Testing

At no additional charge, and at the customer's request, the Telephone Company will cooperatively test at the time of installation.

21.3.6 Ordering Options and Conditions

The Access Order, as set forth in Section 5 preceding, is used in the provisioning of MSFRS. Also included in that section are other charges that may be associated with ordering MSFRS (e.g., Service Date Change Charges, Cancellation Charges, etc.).

21.3.7 Minimum Period of Service

The minimum period is one month.

21.3.8 Rate Regulations

Rates and charges are specified in 21.3.10 following for MSFRS. Unless specified otherwise, MSFRS is available for use with the Fast Packet Savings Plan subject to the regulations provided in 2.3.8.(F) preceding.

Note 1: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3.9 Rate Categories

The following rate categories apply to MSFRS⁽¹⁾:

(N)

(A) MSFRS Connections

This rate category provides for the transport from the customer's premises to the MSFRS network. This rate category includes the packet switching function and the connectivity of all MSFRS switches within a MSFRS Service Area. An Initial DLCI is included with each standard or primary MSFRS Connection. A nonrecurring charge and monthly rate applies per standard or primary MSFRS Connection and per MSFRS Back-Up Connection.

A nonrecurring Primary MSFRS Connection Enablement/Change Charge provided in 21.3.10(F) following is applicable: 1) per existing standard MSFRS Connection requested to be converted to a primary MSFRS Connection (i.e., to be back-up enabled), 2) per existing primary MSFRS Connection requested to be converted to a standard Network Interface (i.e., to disable the capability to be used with a MSFRS Back-Up Connection), and 3) per existing primary MSFRS Connection requested to be reassigned to work with a different MSFRS Back-Up Connection. The Primary MSFRS Connection Enablement/Change Charge shall only be applied when the customer provides the appropriate information on all of the service orders required such that all orders involved can be related and worked together. Failure by the customer(s) to provide adequate information to allow the orders to be appropriately related together will result in the billing of such orders as individual disconnects and new connects.

A customer request to convert a standard or primary MSFRS Connection to a MSFRS Back-Up Connection (or vice versa) shall be treated as a disconnect and new connect.

Note 1: See Page 21-1 for service availability information.

(N)

(This page filed under Transmittal No. 172)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽¹⁾

(N)

21.3.9 Rate Categories (Cont'd)

(A) MSFRS Connections (Cont'd)

When a MSFRS customer moves (physically changes to another premises), the MSFRS Connection associated with the former location shall be disconnected and the service at the new location shall be considered as a new installation; nonrecurring charges shall apply for the installation of service at the new location.

A MSFRS customer request to change an existing MSFRS Connection to a different transmission speed shall be considered as a request for the disconnect of the existing service and a new installation of the different speed MSFRS Connection. Nonrecurring charges shall apply for the different speed MSFRS Connection.

A MSFRS customer request to change an existing MSFRS Connection to a Managed Shared ATM Service Connection (MSATMS) will be treated as a request for the disconnect of the MSFRS and a new installation of the MSATMS.

(B) MSFRS Meetpoint Extended Connections

MSFRS Meetpoint Extended Connections represents that portion of the MSPS service provided within BellSouth Territory (inclusive of a port on the switch, network serving area transport, and transport within BellSouth Territory outside the network serving area to the Independent Telephone Company meetpoint).

Note 1: See Page 21-1 for service availability information.

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽¹⁾

(N)

21.3.9 Rate Categories (Cont'd)

(C) Optional Features

The Optional Features rate category provides for optional features that may be added to MSFRS to improve its quality or utility to meet specific communications requirements.

(1) DLCIs per MSFRS Connection (UNI or NNI)

This feature provides for the assignment of a Data Link Channel Identifier (DLCI) per PVC requested on a MSFRS Connection (UNI or NNI). One DLCI is required per MSFRS Connection in order to form a single PVC. When a DLCI from each of two MSFRS Connections are mapped together through the service provisioning process, a single PVC is created. On an optional basis, a single PVC may also be created via the mapping of a DLCI to an ATM PVC Segment. Multiple DLCIs (and therefore, PVCs) may be associated with a single MSFRS Connection. A Standard PVC is created via the mapping of two Standard DLCIs; on an optional basis, features are available to allow the creation of Priority PVCs and PVCs established via Frame Relay to ATM Network Interworking with an ATM Service network interface.

One Initial DLCI (either one Initial Standard DLCI or one Initial Priority DLCI) is available with each MSFRS when that DLCI is requested with the installation of the MSFRS Connection. Additional DLCI charges apply for every DLCI after the initial DLCI requested with the MSFRS Connection and for any DLCIs ordered subsequent to the installation of the MSFRS Connection. A nonrecurring charge and monthly rate applies per Additional DLCI requested. A DLCI which is not a Priority DLCI, as discussed following, is referred to as a Standard DLCI.

Priority PVC capability allows a customer to differentiate specific PVCs with regard to the importance of the data within those PVCs as compared to other PVCs. In the case of contention or network congestion, the network will give precedence to the frames of a Priority PVC over frames of a Standard PVC. MSFRS allows the creation of Priority PVCs. Such a Priority PVC is formed by the mapping of two Priority DLCIs (as set forth in 21.3.10(B)(1)); these Priority DLCIs must have an associated CIR value of greater than zero. A request to convert an existing Standard PVC to a Priority PVC (or vice versa) shall be considered as a request to disconnect the existing DLCIs and as a request to connect the new DLCIs.

When a PVC is requested to be disconnected, the monthly rates appropriate for the two DLCIs comprising the PVC will be discontinued.

Note 1: See Page 21-1 for service availability information.

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽¹⁾ (N)

21.3.9 Rate Categories (Cont'd)

(C) Optional Features (Cont'd)

(1) DLCIs per MSFRS Connection (UNI or NNI) (Cont'd)

The aforementioned individual DLCI charges are not applicable to the standard configurable DLCIs provided within a Configurable DLCI Bundle associated with optional Customer Configuration Management Capability described in 21.3.9.(B)(7) following. Configurable DLCIs are considered as additional DLCIs.

Note 1: See Page 21-1 for service availability information. (N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽³⁾

(N)

21.3.9 Rate Categories (Cont'd)

(C) Optional Features (Cont'd)

(2) Committed Information Rate (CIR)

Committed Information Rate is a per DLCI feature that enables the customer to select a sustained throughput under normal conditions for the data transmitted within that PVC. A CIR must be selected for each DLCI within a PVC; both CIR values must be the same. The CIR value selected cannot exceed the minimum transmission speed of the MSFRS Connection at either end of the PVC. (The Frame Relay network's burst capability and discard eligible feature are described in TR 73587.)

A standard CIR rate element is applicable per DLCI¹ when it is to be mapped to another DLCI to form a single PVC.

A Frame Relay to ATM Network Interworking CIR rate element is applicable per DLCI when it is to be mapped to an ATM Service PVC Segment to form a single Frame Relay to ATM Network Interworking PVC. The mapping of a DLCI to an ATM PVC Segment is permitted on a per PVC basis. The Frame Relay data is essentially encapsulated in an ATM Service bit stream and retrieved by the ATM Customer's CPE as Frame Relay. Associated rates and charges for the related ATM Service apply as usual from the appropriate ATM Service tariff. Only Frame Relay DLCIs and ATM PVC Segments of a comparable quality of service can be mapped together to form a single PVC; the specific combinations of Frame Relay DLCIs and ATM PVC Segments permitted to be mapped together are as follows:

<u>Frame Relay DLCI:</u>		<u>ATM PVC Segment²:</u>
-Non-priority with 0 CIR	and	UBR
-Non-priority with >0 CIR	and	VBR-NRT
-Priority with >0 CIR	and	VBR-RT

The rate elements for standard CIR with a value greater than zero and all Frame Relay to ATM Network Interworking CIR have a separate charge. The CIR rate element applies per DLCI and has a monthly rate only.

Note 1: Not applicable to the standard configurable DLCIs provided within a Configurable DLCI Bundle (which include CIR of up to 64 Kbps per configurable DLCI) associated with optional CNM-Customer Configuration Management Capability.

Note 2: Due to technical limitations a mapping combination involving an ATM CBR PVC Segment is not possible.

Note 3: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽²⁾

(N)

21.3.9 Rate Categories (Cont'd)

(C) Optional Features (Cont'd)

(2) Committed Information Rate (CIR) (Cont'd)

Subsequent to the initial provisioning of a PVC, a customer may request that the CIR value be changed. A Feature Change Charge as specified in 21.3.9(C) applies per DLCI per PVC for such requests.

When a specific PVC is requested to be disconnected, the monthly rates appropriate for the CIR of the two DLCIs comprising the PVC will be discontinued.

The CIR value of Priority DLCIs must be greater than zero.

(3) Inter Service Area Link (ISAL)

The Telephone Company may establish facilities between MSFRS switching equipment in different Service Areas in the same LATA and may allow customers to share bandwidth on these facilities. Where these shared facilities are available to customers, an Inter Service Area Link is an Optional Feature that allows the customer to establish a PVC link between MSFRS Connections in the two different Service Areas.

The customer must request an Inter Service Area Link that provides the extension of a PVC between two Service Areas. Each link has an associated CIR that must match the CIR of the DLCIs associated with the PVC. One end-to-end PVC exists between both customer premises through an Inter Service Area Link.

The appropriate rates and charges for the Inter Service Area Link are from 21.3.10(B)(4) and are applied per end of link.¹ A nonrecurring charge and monthly rate applies for each end of the Inter Service Area Link. The ISAL CIR charges are in addition to the associated DLCI and CIR charges from 21.3.10(B)(1), (2) and (3) that are applicable for the portions of this PVC in each Service Area.

Note 1: These charges are not applicable for ISAL CIR provided for configurable PVCs mapped from Configurable DLCI Bundles (which include both CIR and ISAL CIR of up to 64 Kbps per configurable DLCI) associated with optional Customer Configuration Management Capability.

Note 2: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽¹⁾

(N)

21.3.9 Rate Categories (Cont'd)

(C) Optional Features (Cont'd)

(4) MultiCast PVC

MultiCast PVC capability allows a customer to establish a one-to-many broadcasting PVC that distributes data simultaneously from a host site to a group of predetermined remote sites (called a MultiCast PVC Group). Transmission on a MultiCast PVC is unidirectional (from the host to the remotes in each MultiCast PVC Group). All sites in a MultiCast PVC Group will be able to simultaneously receive a single packet transmission transmitted from the host; upon transmission from the host, the Frame Relay network replicates and distributes the packets to the various remote sites identified as members of the MultiCast PVC Group. A MultiCast PVC may be established as a Standard MultiCast PVC or a Priority MultiCast PVC (refer to description of Priority PVC capability discussed in 21.3.9(B)(1) preceding).

To create a MultiCast PVC, the customer must have established individual PVCs between the MSFRS Connection of the host site and each MSFRS Connection of each remote site that is to be a member of that specific MultiCast PVC Group. Standard tariff charges apply for the establishment of the DLCIs, CIR, etc. associated with these member PVCs. While these standard PVCs will be identified as members of a MultiCast PVC Group (and as such receive the unidirectional broadcast transmission from the host site), each individual PVC is still a bi-directional PVC capable of being used by the host site and remote site to communicate independently of the MultiCast PVC Group.

The customer shall provide a unique DLCI number to be used to identify each MultiCast PVC Group associated with a host site; this unique DLCI number will be used in establishing the MultiCast PVC and shall be utilized on an ongoing basis to refer to that specific MultiCast PVC when requesting any subsequent change activity to the associated MultiCast PVC Group. A host site can have more than one MultiCast PVC. A remote site can be a part of multiple MultiCast PVC Groups associated with the same or multiple other host site(s).

Each MultiCast PVC Group shall be established as a Standard MultiCast PVC Group or a Priority MultiCast PVC Group. A Standard MultiCast PVC Group shall be comprised of member PVCs established utilizing all Standard DLCIs; while not specifically required, it is strongly recommended that each member PVC in a Standard MultiCast PVC have DLCIs with an associated CIR value of greater than zero. A Priority MultiCast PVC Group shall be comprised of member PVCs established utilizing all Priority DLCIs; each member PVC in a Priority MultiCast PVC is required to have Priority DLCIs with an associated CIR value of greater than zero.

Note 1: See Page 21-1 for service availability information.

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽¹⁾

(N)

21.3.9 Rate Categories (Cont'd)

(C) Optional Features (Cont'd)

(4) MultiCast PVC (Cont'd)

One MultiCast PVC Group Charge shall apply and be billed to the host site in association with each MultiCast PVC established. The appropriate MultiCast PVC Group Charge varies based 1) upon whether the MultiCast PVC is to be a Standard MultiCast PVC or a Priority MultiCast PVC and 2) upon the transmission speed of the host site MSFRS Connection (e.g., the Priority 1.536 Mbps MultiCast PVC Group Charge would be applicable for a Priority MultiCast PVC established on a 1.536 Mbps MSFRS Connection).

A MultiCast PVC Group Modification Charge applies per member PVC that is to be modified, added to or deleted from an existing MultiCast PVC Group, subsequent to the initial establishment of the MultiCast PVC. The MultiCast PVC Group Modification Charges are billed to the host MSFRS Connection.

If a Standard MultiCast PVC is requested to be changed to a Priority MultiCast PVC (or vice versa), Feature Change Charges apply (as set forth in 21.3.10(B) following) to change each DLCI in each member PVC from Standard to Priority (or vice versa). In addition to the nonrecurring charge associated with the MultiCast PVC Group Charge billed to the host for this change request, a MultiCast PVC Group Modification Charge shall also apply per member PVC so modified in the MultiCast PVC Group.

The host and remote sites associated with a MultiCast PVC are required to be MSFRS Connections as it is not currently technically feasible to utilize Frame Relay to ATM Interworking within a MultiCast PVC arrangement. The MSFRS Connection associated with the host site must be of a transmission speed equal to or greater than 1.536 Mbps. For further information, refer to TR 73587 regarding configuration of MultiCast PVC.

Note 1: See Page 21-1 for service availability information.

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽¹⁾

(N)

21.3.9 Rates Categories (Cont'd)

(C) Optional Features (Cont'd)

(5) Intelligent PVC

Intelligent PVC capability allows automatic rerouting on a per PVC basis within the Frame Relay Service network. The Intelligent PVC feature is associated with a customer-specified three DLCI PVC. With the Intelligent PVC feature, a PVC is established between an originating DLCI (referred to as the pivot endpoint) and a primary terminating DLCI (referred to as the primary endpoint). Frames from the originating DLCI (pivot endpoint) will automatically be rerouted to a secondary terminating DLCI (referred to as the secondary endpoint) if the Frame Relay switch detects trouble associated with the primary terminating DLCI (primary endpoint). After such rerouting, the Frame Relay switch will continue to monitor the signals from the primary endpoint and when the trouble is cleared, will automatically reroute the frames going to the secondary endpoint back to the primary endpoint. The BellSouth document TR-73587 provides more detailed technical information on how Intelligent PVC capability is provided.

To create an Intelligent PVC, the customer requests the mapping of three DLCIs. An Intelligent PVC may be comprised of three Standard DLCIs or three Priority DLCIs. One Intelligent PVC Charge (a recurring rate) applies per customer-specified arrangement of three DLCIs and applies in addition to the appropriate nonrecurring and recurring charges for each of the three DLCIs. The Intelligent PVC Charge shall be billed to the MSFRS Connection associated with the DLCI which is the pivot endpoint of this PVC.

A request to convert an existing two DLCI PVC into a three DLCI Intelligent PVC (or vice versa) shall be considered as a request to disconnect the existing PVC and as a request for connection of new DLCIs to form the new PVC.

The pivot endpoint of an Intelligent PVC must be provisioned out of a Company-provided Frame Relay switch. (If only Company provided switches are utilized in the total service configuration, no service limitations should occur; however, when a non-Company switch is involved in an Intelligent PVC configuration, service limitations may be encountered.)

Both the primary and secondary endpoints of an Intelligent PVC must be of the same service type.

Additionally, an Intelligent PVC configuration is not currently available with Manual Back-Up Capability or Automatic Back-Up Capability.

Note 1: See Page 21-1 for service availability information.

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽¹⁾

(N)

21.3.9 Rates Categories (Cont'd)

(C) Optional Features (Cont'd)

(6) Special Provisioning

MSFRS Special Provisioning (SP) provides redundancy for both the switch ports and the transport within the MSPS Serving Area, from the customer's serving wire center to the broadband switch. The SP feature pairs two circuits together to minimize the risk that a single network element failure will result in a service interruption of both circuits. MSFRS Special Provisioning is available in 56 Kbps and 64 Kbps speeds. It is not available with MultiLink Frame Relay.

MSFRS Special Provisioning provides diversity for both the switch ports and the interoffice transport from the customer's serving wire center within the Serving Area to the switch. Two MSFRS circuits may share an electronic device only if the device provides automatic protection switching in the event of an electronic or facility failure.

Port Diversity for MSFRS Special Provisioning is accomplished via two options: Different Switch Diversity or Same Switch Diversity.

Different Switch Diversity allows port protection by provisioning two circuits on different switches, providing against port, card or switch failure. Both switches must be identified as having spare capacity, and will be provided by the Company where available.

If multiple switches with spare capacity do not exist in the central office providing switching, then the Company will choose to implement port protection by placing the two circuits on different cards on the switch (i.e. Same Switch Diversity). For Same Switch Diversity, there are separate cards associated with each circuit.

Note 1: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽²⁾

(N)

21.3.9 Rates Categories (Cont'd)

(C) Optional Features (Cont'd)

(7) BellSouth Customer Network Management (CNM) - Customer Configuration Management Capability⁽¹⁾

CNM-Customer Configuration Management Capability is optionally available for an MSFRS customer to have the ability to add, change and delete PVCs for their MSFRS Connection themselves, without utilizing the standard ordering/provisioning process to request the Company to perform these functions. PVCs created thru the standard ordering/provisioning process by the Company are standard non-configurable PVCs and cannot be modified by the customer as described herein thru CNM-Customer Configuration Management Capability; the customer is billed the preceding DLCI and CIR rates and charges for standard non-configurable PVCs. PVCs created thru CNM-Customer Configuration Management Capability are referred to as configurable PVCs and may be created and modified by the customer as described herein; the customer is billed the charges described following for such configurable PVCs. A customer may choose to utilize one or both of these methods for establishing PVCs on a given MSFRS Connection. Due to technical limitations, CNM-Customer Configuration Management Capability is not available on an MSFRS MultiLink Connection or on an MSFRS Connection which is a "primary" network interface in association with Back-Up Capability.

- (a) CNM-Customer Configuration Management Capability is available only for MSFRS Connections equipped with BellSouth CNM-NVS and is available only for the customer to add, modify or delete configurable PVCs formed between similarly equipped Frame Relay service with CNM-NVS and CNM-Customer Configuration Management Capability.
- (b) CNM-Customer Configuration Management Capability is established via the standard ordering/provisioning process on a per MSFRS Connection basis when a minimum of one Configurable DLCI Bundle is ordered.
- (c) DLCIs in a Configurable DLCI Bundle will be referred to as configurable DLCIs. Two configurable DLCIs mapped thru CNM-Customer Configuration Management Capability form a configurable PVC.
- (d) To utilize CNM-Customer Configuration Management Capability, each MSFRS Connection must have a minimum of one Configurable DLCI Bundle ordered by the customer. More than one Configurable DLCI Bundle may be ordered for a specific MSFRS Connection to establish the block, or total quantity, of configurable DLCIs available for that MSFRS Connection. The block of configurable DLCIs established are only for the use of that single MSFRS Connection may not be "shared" with other MSFRS Connections.

Note 1: Effective May 16, 2008, BellSouth CNM-Customer Configuration Management Capability will (T)

not be available for new customer orders. Customers with existing service may continue

using the service but new orders will not be accepted.

Note 2: See Page 21-1 for service availability information. (N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽¹⁾

(N)

21.3.9 Rates Categories (Cont'd)

(C) Optional Features (Cont'd)

(7) BellSouth Customer Network Management (CNM) - Customer Configuration Management Capability (Cont'd)

- (e) A monthly rate applies for each Configurable DLCI Bundle ordered and the rate varies based upon the quantity of configurable DLCIs included in each bundle. Each Configurable DLCI Bundle provides a specific quantity of standard configurable DLCIs, each with a maximum CIR and ISAL CIR of up to 64 Kbps per configurable DLCI. Customers will order the quantity and size bundles that will provide the total quantity or block of configurable DLCIs needed for an MSFRS Connection. The configurable DLCI block quantity is then the customer-established limit of the number of configurable DLCIs which the customer may manage on a specific MSFRS Connection. The block of configurable DLCIs selected for an MSFRS Connection may be increased or decreased as the customer's needs change. The Configurable DLCI Block Establishment/Change Charge is the nonrecurring charge applicable for initially ordering and provisioning the Configurable DLCI Bundle(s) to establish the configurable DLCI block and for making a subsequent request to change the block size (i.e., add or delete bundles).
- (f) The Configurable DLCI Block Establishment/Change Charge is a nonrecurring charge applicable to initially establish the block of configurable DLCIs for an MSFRS Connection. This charge is also applicable per subsequent request to change the size of the configurable DLCI block. Only one such nonrecurring charge applies per request regardless of how many Configurable DLCI Bundles are requested to initially establish the block or are requested subsequently to be added or deleted.
- (g) With CNM-Customer Configuration Management Capability the customer will have the capability to add, change and/or delete configurable PVCs formed by the mapping of two configurable DLCIs. A PVC cannot be established between a configurable DLCI and a non-configurable DLCI thru either CNM-Customer Configuration Management Capability or thru the standard ordering/provisioning process. CNM-Customer Configuration Management Capability cannot be utilized to make changes to a non-configurable PVC, and the standard ordering/provisioning process cannot be utilized to create, modify or delete a configurable PVC.
- (h) As a current technical limitation CNM-Customer Configuration Management Capability cannot be utilized for Priority PVCs, Intelligent PVCs, MultiCast PVCs or Frame Relay to ATM Interworking PVCs. Therefore, requests for these types of PVCs will have to be made thru the standard ordering/provisioning process for the Company to provision and will be subject to the preceding standard rates and charges for such features.

Note 1: See Page 21-1 for service availability information.

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽¹⁾

(N)

21.3.9 Rates Categories (Cont'd)

(C) Optional Features (Cont'd)

(7) BellSouth Customer Network Management (CNM) - Customer Configuration Management Capability (Cont'd)

- (i) CNM-Customer Configuration Management Capability may only be utilized to create configurable PVCs between two Frame Relay services equipped with CNM-NVS and CNM-Customer Configuration Management Capability within the same LATA.
- (j) A customer may request that some or all of the standard DLCIs associated with an existing MSFRS Connection with CNM-Customer Configuration Management Capability be converted to Configurable DLCIs. Only standard DLCIs that are mapped to other Network Interfaces also equipped for CNM-Customer Configuration Management can be converted (subject to any limitations set forth herein 21.1.9.(B)(6) on what types of MSFRS Connections and PVCs are technically compatible with CNM-Customer Configuration Management Capability). The DLCI Conversion Charge is the nonrecurring charge applicable per standard DLCI requested to be converted to a configurable DLCI. Once converted to a configurable DLCI, that DLCI will be counted against the MSFRS Connection configurable DLCI block quantity; monthly rates for the standard DLCI and associated CIR and ISAL CIR will concurrently no longer apply.
- (k) A customer may request that some or all of the configurable DLCIs associated with an existing MSFRS Connection with CNM-Customer Configuration Management Capability be converted to standard DLCIs which the customer will no longer manage. Such requests will convert the configurable DLCI "as is" to a standard DLCI (i.e., standard additional DLCI with same CIR and ISAL CIR value). The DLCI Conversion Charge is the nonrecurring charge applicable per configurable DLCI requested to be converted to a standard DLCI. Once converted to a standard DLCI, that DLCI (and associated CIR and ISAL CIR) will begin billing the standard DLCI, CIR and ISAL CIR monthly rates and will concurrently no longer count against the configurable DLCI block quantity for that MSFRS Connection.

Note 1: See Page 21-1 for service availability information.

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽¹⁾

(N)

21.3.9 Rates Categories (Cont'd)

(C) Optional Features (Cont'd)

(7) BellSouth Customer Network Management (CNM) - Customer Configuration Management Capability (Cont'd)

- (1) After the customer has established CNM-Customer Configuration Management Capability (by ordering Configurable DLCI Bundles to establish the configurable DLCI block for each MSFRS Connection) for their network, the customer will have access thru the NVS system to mechanically add, change and delete configurable PVCs between these Connections.
- (m) A CNM-Customer Configuration Management service request is made thru CNM-NVS for a specific PVC activity (e.g., add configurable PVC, change CIR or endpoint on an existing configurable PVC, delete configurable PVC, etc.) involving MSFRS Connections equipped with CNM-Customer Configuration Management Capability. Each CNM-Customer Configuration Management service request will be assigned a service request number to facilitate customer questions and to enable status and tracking.
- (n) A CNM-Customer Configuration Management service request will be provisioned within minutes; however a Cancellation Window of two hours is allowed after successful provisioning during which time the customer may submit a request thru CNM-NVS to cancel or "undo" the request before the change becomes permanent. The customer may specifically request to forgo (close) the Cancellation Window during which a particular service request may be cancelled and commit that CNM-NVS make the service request provisioning become permanent immediately. When the Cancellation Window expires without the customer canceling the service request or the customer foregoes/closes the Cancellation Window, the provisioned service request is made permanent and considered a completed transaction.
- (o) CNM-Customer Configuration Management Capability effectively provides the customer near real-time processing capability to allow them to manage the provisioning and change activities for configurable PVCs within their network. However, access to CNM-Customer Configuration Management Capability is not guaranteed for customer access and use twenty-four hours a day/seven days a week. Customer access may be periodically preempted for higher priority Company network management and maintenance activities. Customer inability to access the CNM-NVS/CNM-Customer Configuration Management systems during these periods will not be considered a service outage.

Note 1: See Page 21-1 for service availability information.

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽¹⁾

(N)

21.3.9 Rate Categories (Cont'd)

(D) Feature Change Charge

A Feature Change Charge applies for a customer request to change an existing MSFRS Optional Feature for which there is no nonrecurring charge. (Examples: A Feature Change Charge applies for a customer request to change the CIR value associated with an existing DLCI. A Feature Change Charge applies for a customer request to change the CIR value associated with an existing DLCI and related ISAL CIR.)

A Feature Change Charge applies in lieu of standard MSFRS nonrecurring charges for a customer request where no physical work is required to convert the customer's existing service to MSFRS from Exchange Access Frame Relay Service and Special Access; standard MSFRS nonrecurring charges apply for such requests when any physical work is required.

(E) Transfer of Service

When a change to the customer of record is requested, transfer of service charges, as set forth in 21.3.10(D) following will apply. Charges are applied on a Billing Account Number (BAN).

Administrative changes, as identified below, will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Access Service to the same entity (i.e., customer remains responsible for all outstanding indebtedness for Access 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 its name -- e.g., AT&T-Long Lines to AT&T-Long Lines to AT&T-Communications),
- Change of customer or customer's end user premises address when the change of address is not a result of physical relocation of equipment,
- Change in billing data (name, address, or contract name or telephone number. The customer of record does not change),
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user contact name of telephone number, and
- Change of jurisdiction.

All other service arrangements, including physical changes to existing services, will be charged as follows:

- If the change involves the addition of an optional feature that has a separate nonrecurring charge, that nonrecurring charge will apply.

Note 1: See Page 21-1 for service availability information.

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽¹⁾

(N)

21.3.9 Rate Categories (Cont'd)

The following provides an illustrative customer configuration to depict the application of the MSFRS rate categories.

A customer has three premises within a single LATA between which he needs to transmit data. Within this particular LATA there are two MSFRS Service Areas. Premises A and B are provisioned from Service Area 1; Premises C is provisioned from Service Area 2. Premises A requires a 44.210 Mbps UNI MSFRS Connection because its serving wire center is a SAP in Service Area 1. Premises B requires a 1.536 Mbps UNI Extended Connection (Over 0 to 20 miles) because its serving wire center is outside the Service Area, 15 miles from the closest MSFRS Service Area Point. Premises C requires a 64 Kbps UNI MSFRS Connection because its serving wire center is a SAP in Service Area 2.

The customer would like to establish three PVCs. "PVC I" is a 768 Kbps CIR PVC from Premises A to Premises B. "PVC II" is a zero CIR PVC from Premises A to Premises B. "PVC 3" is a 64 Kbps CIR PVC from Premises A to Premises C. The following rate elements shown by premises would be applicable for this service configuration:

	<u>Premises A</u>	<u>Premises B</u>	<u>Premises C</u>
MSFRS Connection:	44.210 Mbps UNI	1.536 Mbps UNI	64 Kbps UNI
-PVC I:	Initial DLCI 768 Kbps CIR	Initial DLCI 768 Kbps CIR	
-PVC II:	Additional DLCI Zero CIR	Additional DLCI Zero CIR	
-PVC III:	Additional DLCI 64 Kbps CIR 64 Kbps ISAL CIR		Initial DLCI 64 Kbps CIR 64 Kbps ISAL CIR

Note 1: See Page 21-1 for service availability information.

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽⁷⁾

(N)

21.3.10 Rates and Charges (Cont'd)

(A) MSFRS Connections
 (1) UNI

	USOC	Month to Month	A 12 to 24 Months	B 25 to 48 Months	Nonrecurring Charges
56 Kbps (BCOS : MS9X5)					
- MSFRS Connection	MS9TU	\$ 150.00	\$ 130.00	\$ 100.00	\$ 850.00
- MSFRS Extended Connection ¹	1L5WE	170.00	145.00	110.00	925.00
- MSFRS Extended Connection ²	1L5WE	180.00	153.00	115.00	925.00
- MSFRS Extended Connection ³	1L5WE	200.00	168.00	125.00	925.00
- MSFRS Extended Connection ⁴	1L5WE	210.00	175.00	130.00	925.00
- MSFRS Extended Connection ⁵	1L5WE	220.00	183.00	135.00	925.00
- MSFRS Extended Connection ⁶	1L5WE	230.00	190.00	140.00	925.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Connection	MS9TU	\$ 150.00	\$ 130.00	\$ 100.00	\$ 850.00
- MSFRS Extended Connection ¹	1L5WE	170.00	145.00	110.00	925.00
- MSFRS Extended Connection ²	1L5WE	180.00	153.00	115.00	925.00
- MSFRS Extended Connection ³	1L5WE	200.00	168.00	125.00	925.00
- MSFRS Extended Connection ⁴	1L5WE	210.00	175.00	130.00	925.00
- MSFRS Extended Connection ⁵	1L5WE	220.00	183.00	135.00	925.00
- MSFRS Extended Connection ⁶	1L5WE	230.00	190.00	140.00	925.00

- Note 1: Customer Premises SWC is over 0 to 20 miles outside Service Area.
- Note 2: Customer Premises SWC is over 20 to 50 miles outside Service Area.
- Note 3: Customer Premises SWC is over 50 to 75 miles outside Service Area.
- Note 4: Customer Premises SWC is over 75 to 100 miles outside Service Area.
- Note 5: Customer Premises SWC is over 100 to 125 miles outside Service Area.
- Note 6: Customer Premises SWC is over 125 miles outside Service Area.
- Note 7: See Page 21-1 for service availability information.

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽⁷⁾ (N)

21.3.10 Rates and Charges (Cont'd)

(A) MSFRS Connections (Cont'd)
 (1) UNI (Cont'd)

	USOC	Month to Month	A 12 to 24 Months	B 25 to 48 Months	Nonrecurring Charges
112 Kbps (BCOS : MS9XU)					
- MSFRS Connection	MS9UA	\$ 255.00	\$ 232.00	205.00	\$ 925.00
- MSFRS Extended Connection ¹	MS9EA	415.00	363.00	315.00	1,045.00
- MSFRS Extended Connection ²	MS9EA	535.00	459.00	377.00	1,045.00
- MSFRS Extended Connection ³	MS9EA	635.00	538.00	433.00	1,045.00
- MSFRS Extended Connection ⁴	MS9EA	755.00	631.00	500.00	1,045.00
- MSFRS Extended Connection ⁵	MS9EA	855.00	708.00	554.00	1,045.00
- MSFRS Extended Connection ⁶	MS9EA	955.00	785.00	627.00	1,045.00
128 Kbps (BCOS : MS9XU)					
- MSFRS Connection	MS9UB	\$ 255.00	\$ 232.00	205.00	\$ 925.00
- MSFRS Extended Connection ¹	MS9EB	415.00	363.00	315.00	1,045.00
- MSFRS Extended Connection ²	MS9EB	535.00	459.00	377.00	1,045.00
- MSFRS Extended Connection ³	MS9EB	635.00	538.00	433.00	1,045.00
- MSFRS Extended Connection ⁴	MS9EB	755.00	631.00	500.00	1,045.00
- MSFRS Extended Connection ⁵	MS9EB	855.00	708.00	554.00	1,045.00
- MSFRS Extended Connection ⁶	MS9EB	955.00	785.00	627.00	1,045.00

- Note 1: Customer Premises SWC is over 0 to 20 miles outside Service Area.
 Note 2: Customer Premises SWC is over 20 to 50 miles outside Service Area.
 Note 3: Customer Premises SWC is over 50 to 75 miles outside Service Area.
 Note 4: Customer Premises SWC is over 75 to 100 miles outside Service Area.
 Note 5: Customer Premises SWC is over 100 to 125 miles outside Service Area.
 Note 6: Customer Premises SWC is over 125 miles outside Service Area.
 Note 7: See Page 21-1 for service availability information.

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽⁷⁾

(N)

21.3.10 Rates and Charges (Cont'd)

(A) MSFRS Connections (Cont'd)
 (1) UNI (Cont'd)

	<u>USOC</u>	<u>Month to Month</u>	<u>A 12 to 24 Months</u>	<u>B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
192 Kbps (BCOS : MS9XU)					
- MSFRS Connection	MS9UC	\$ 320.00	\$ 292.00	\$ 258.00	\$ 925.00
- MSFRS Extended Connection ⁽¹⁾	MS9EC	480.00	420.00	364.00	1,045.00
- MSFRS Extended Connection ⁽²⁾	MS9EC	600.00	515.00	422.00	1,045.00
- MSFRS Extended Connection ⁽³⁾	MS9EC	700.00	593.00	478.00	1,045.00
- MSFRS Extended Connection ⁽⁴⁾	MS9EC	820.00	685.00	543.00	1,045.00
- MSFRS Extended Connection ⁽⁵⁾	MS9EC	920.00	762.00	596.00	1,045.00
- MSFRS Extended Connection ⁽⁶⁾	MS9EC	1020.00	839.00	669.00	1,045.00

Note 1: Customer Premises SWC is over 0 to 20 miles outside Service Area.
 Note 2: Customer Premises SWC is over 20 to 50 miles outside Service Area.
 Note 3: Customer Premises SWC is over 50 to 75 miles outside Service Area.
 Note 4: Customer Premises SWC is over 75 to 100 miles outside Service Area.
 Note 5: Customer Premises SWC is over 100 to 125 miles outside Service Area.
 Note 6: Customer Premises SWC is over 125 miles outside Service Area.
 Note 7: See Page 21-1 for service availability information.

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽⁷⁾

(N)

21.3.10 Rates and Charges (Cont'd)

(A) MSFRS Connections (Cont'd)
 (2) NNI

	<u>USOC</u>	<u>Month</u> to <u>Month</u>	<u>A</u> 12 to 24 <u>Months</u>	<u>B</u> 25 to 48 <u>Months</u>	<u>Nonrecurring</u> <u>Charges</u>
56 Kbps (BCOS : MS9X5)					
- MSFRS Connection	MS9TN	\$ 150.00	\$ 130.00	\$ 100.00	\$ 850.00
- MSFRS Extended Connection ¹	1L5RE	170.00	145.00	110.00	925.00
- MSFRS Extended Connection ²	1L5RE	180.00	153.00	115.00	925.00
- MSFRS Extended Connection ³	1L5RE	200.00	168.00	125.00	925.00
- MSFRS Extended Connection ⁴	1L5RE	210.00	175.00	130.00	925.00
- MSFRS Extended Connection ⁵	1L5RE	220.00	183.00	135.00	925.00
- MSFRS Extended Connection ⁶	1L5RE	230.00	190.00	140.00	925.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Connection	MS9TN	\$ 150.00	\$ 130.00	\$ 100.00	\$ 850.00
- MSFRS Extended Connection ¹	1L5RE	170.00	145.00	110.00	925.00
- MSFRS Extended Connection ²	1L5RE	180.00	153.00	115.00	925.00
- MSFRS Extended Connection ³	1L5RE	200.00	168.00	125.00	925.00
- MSFRS Extended Connection ⁴	1L5RE	210.00	175.00	130.00	925.00
- MSFRS Extended Connection ⁵	1L5RE	220.00	183.00	135.00	925.00
- MSFRS Extended Connection ⁶	1L5RE	230.00	190.00	140.00	925.00

- Note 1: Customer Premises SWC is over 0 to 20 miles outside Service Area.
- Note 2: Customer Premises SWC is over 20 to 50 miles outside Service Area.
- Note 3: Customer Premises SWC is over 50 to 75 miles outside Service Area.
- Note 4: Customer Premises SWC is over 75 to 100 miles outside Service Area.
- Note 5: Customer Premises SWC is over 100 to 125 miles outside Service Area.
- Note 6: Customer Premises SWC is over 125 miles outside Service Area.
- Note 7: See Page 21-1 for service availability information.

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽⁷⁾

(N)

21.3.10 Rates and Charges (Cont'd)

(A) MSFRS Connections (Cont'd)
 (2) NNI (Cont'd)

	<u>USOC</u>	<u>Month to Month</u>	<u>A 12 to 24 Months</u>	<u>B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
112 Kbps (BCOS : MS9XU)					
- MSFRS Connection	MS9NA	\$ 255.00	\$ 232.00	\$ 205.00	\$ 925.00
- MSFRS Extended Connection ¹	MS90A	415.00	363.00	315.00	1,045.00
- MSFRS Extended Connection ²	MS90A	535.00	459.00	377.00	1,045.00
- MSFRS Extended Connection ³	MS90A	635.00	538.00	433.00	1,045.00
- MSFRS Extended Connection ⁴	MS90A	755.00	631.00	500.00	1,045.00
- MSFRS Extended Connection ⁵	MS90A	855.00	708.00	554.00	1,045.00
- MSFRS Extended Connection ⁶	MS90A	955.00	785.00	627.00	1,045.00
128 Kbps (BCOS : MS9XU)					
- MSFRS Connection	MS9NB	\$ 255.00	\$232.00	\$ 205.00	\$ 925.00
- MSFRS Extended Connection ¹	MS90B	415.00	363.00	315.00	1,045.00
- MSFRS Extended Connection ²	MS90B	535.00	459.00	377.00	1,045.00
- MSFRS Extended Connection ³	MS90B	635.00	538.00	433.00	1,045.00
- MSFRS Extended Connection ⁴	MS90B	755.00	631.00	500.00	1,045.00
- MSFRS Extended Connection ⁵	MS90B	855.00	708.00	554.00	1,045.00
- MSFRS Extended Connection ⁶	MS90B	955.00	785.00	627.00	1,045.00

- Note 1: Customer Premises SWC is over 0 to 20 miles outside Service Area.
 Note 2: Customer Premises SWC is over 20 to 50 miles outside Service Area.
 Note 3: Customer Premises SWC is over 50 to 75 miles outside Service Area.
 Note 4: Customer Premises SWC is over 75 to 100 miles outside Service Area.
 Note 5: Customer Premises SWC is over 100 to 125 miles outside Service Area.
 Note 6: Customer Premises SWC is over 125 miles outside Service Area.
 Note 7: See Page 21-1 for service availability information.

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽⁷⁾

(N)

21.3.10 Rates and Charges (Cont'd)

(A) MSFRS Connections (Cont'd)

(2) NNI (Cont'd)

	<u>USOC</u>	<u>Month to Month</u>	<u>A 12 to 24 Months</u>	<u>B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
192 Kbps (BCOS : MS9XU)					
- MSFRS Connection	MS9NC	\$ 320.00	\$ 292.00	\$ 258.00	\$ 925.00
- MSFRS Extended Connection ⁽¹⁾	MS90C	480.00	420.00	364.00	1,045.00
- MSFRS Extended Connection ⁽²⁾	MS90C	600.00	515.00	422.00	1,045.00
- MSFRS Extended Connection ⁽³⁾	MS90C	700.00	593.00	478.00	1,045.00
- MSFRS Extended Connection ⁽⁴⁾	MS90C	820.00	685.00	543.00	1,045.00
- MSFRS Extended Connection ⁽⁵⁾	MS90C	920.00	762.00	596.00	1,045.00
- MSFRS Extended Connection ⁽⁶⁾	MS90C	1020.00	839.00	669.00	1,045.00

- Note 1: Customer Premises SWC is over 0 to 20 miles outside Service Area.
- Note 2: Customer Premises SWC is over 20 to 50 miles outside Service Area.
- Note 3: Customer Premises SWC is over 50 to 75 miles outside Service Area.
- Note 4: Customer Premises SWC is over 75 to 100 miles outside Service Area.
- Note 5: Customer Premises SWC is over 100 to 125 miles outside Service Area.
- Note 6: Customer Premises SWC is over 125 miles outside Service Area.
- Note 7: See Page 21-1 for service availability information.

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽⁷⁾

(N)

21.3.10 Rates and Charges (Cont'd)

(A) MSFRS Connections (Cont'd)

(3) Manual Back-Up UNI

	USOC	Month to Month	Plan A 12 to 24 Months	Plan B 25 to 48 Months	Nonrecurring Charges
56 Kbps (BCOS : MS9X5)					
- MSFRS Connection	MS9BU	\$ 75.00	\$ 66.00	\$ 51.00	\$ 850.00
- MSFRS Extended Connection ¹	MS9BV	85.00	74.00	56.00	925.00
- MSFRS Extended Connection ²	MS9BV	90.00	78.00	59.00	925.00
- MSFRS Extended Connection ³	MS9BV	100.00	85.00	64.00	925.00
- MSFRS Extended Connection ⁴	MS9BV	105.00	89.00	66.00	925.00
- MSFRS Extended Connection ⁵	MS9BV	110.00	93.00	69.00	925.00
- MSFRS Extended Connection ⁶	MS9BV	115.00	96.00	71.00	925.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Connection	MS9BU	\$ 75.00	\$ 66.00	\$ 51.00	\$ 850.00
- MSFRS Extended Connection ¹	MS9BV	85.00	74.00	56.00	925.00
- MSFRS Extended Connection ²	MS9BV	90.00	78.00	59.00	925.00
- MSFRS Extended Connection ³	MS9BV	100.00	85.00	64.00	925.00
- MSFRS Extended Connection ⁴	MS9BV	105.00	89.00	66.00	925.00
- MSFRS Extended Connection ⁵	MS9BV	110.00	93.00	69.00	925.00
- MSFRS Extended Connection ⁶	MS9BV	115.00	96.00	71.00	925.00

- Note 1: Customer Premises SWC is over 0 to 20 miles outside Service Area.
 Note 2: Customer Premises SWC is over 20 to 50 miles outside Service Area.
 Note 3: Customer Premises SWC is over 50 to 75 miles outside Service Area.
 Note 4: Customer Premises SWC is over 75 to 100 miles outside Service Area.
 Note 5: Customer Premises SWC is over 100 to 125 miles outside Service Area.
 Note 6: Customer Premises SWC is over 125 miles outside Service Area.
 Note 7: See Page 21-1 for service availability information.

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd) (N)

21.3.10 Rates and Charges (Cont'd)

(A) MSFRS Connections (Cont'd)

(4) Automatic Back-Up UNI

	USOC	Month to Month	Plan A 12 to 24 Months	Plan B 25 to 48 Months	Nonrecurring Charges
56 Kbps (BCOS : MS9X5)					
- MSFRS Connection	MS9BW	\$ 75.00	\$ 66.00	\$ 51.00	\$ 850.00
- MSFRS Extended Connection ¹	MS9BX	85.00	74.00	56.00	925.00
- MSFRS Extended Connection ²	MS9BX	90.00	78.00	59.00	925.00
- MSFRS Extended Connection ³	MS9BX	100.00	85.00	64.00	925.00
- MSFRS Extended Connection ⁴	MS9BX	105.00	89.00	66.00	925.00
- MSFRS Extended Connection ⁵	MS9BX	110.00	93.00	69.00	925.00
- MSFRS Extended Connection ⁶	MS9BX	115.00	96.00	71.00	925.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Connection	MS9BW	\$ 75.00	\$ 66.00	\$ 51.00	\$ 850.00
- MSFRS Extended Connection ¹	MS9BX	85.00	74.00	56.00	925.00
- MSFRS Extended Connection ²	MS9BX	90.00	78.00	59.00	925.00
- MSFRS Extended Connection ³	MS9BX	100.00	85.00	64.00	925.00
- MSFRS Extended Connection ⁴	MS9BX	105.00	89.00	66.00	925.00
- MSFRS Extended Connection ⁵	MS9BX	110.00	93.00	69.00	925.00
- MSFRS Extended Connection ⁶	MS9BX	115.00	96.00	71.00	925.00

- Note 1: Customer Premises SWC is over 0 to 20 miles outside Service Area.
 Note 2: Customer Premises SWC is over 20 to 50 miles outside Service Area.
 Note 3: Customer Premises SWC is over 50 to 75 miles outside Service Area.
 Note 4: Customer Premises SWC is over 75 to 100 miles outside Service Area.
 Note 5: Customer Premises SWC is over 100 to 125 miles outside Service Area.
 Note 6: Customer Premises SWC is over 125 miles outside Service Area.
 Note 7: See Page 21-1 for service availability information.

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽⁷⁾

(N)

21.3.10 Rates and Charges (Cont'd)

(A) MSFRS Connections (Cont'd)

(5) Manual Back-Up NNI

	USOC	Month to Month	Plan A 12 to 24 Months	Plan B 25 to 48 Months	Nonrecurring Charges
56 Kbps (BCOS : MS9X5)					
- MSFRS Connection	MS9BM	\$ 75.00	\$ 66.00	\$ 51.00	\$ 850.00
- MSFRS Extended Connection ¹	MS9BN	85.00	74.00	56.00	925.00
- MSFRS Extended Connection ²	MS9BN	90.00	78.00	59.00	925.00
- MSFRS Extended Connection ³	MS9BN	100.00	85.00	64.00	925.00
- MSFRS Extended Connection ⁴	MS9BN	105.00	89.00	66.00	925.00
- MSFRS Extended Connection ⁵	MS9BN	110.00	93.00	69.00	925.00
- MSFRS Extended Connection ⁶	MS9BN	115.00	96.00	71.00	925.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Connection	MS9BM	\$ 75.00	\$ 66.00	\$ 51.00	\$ 850.00
- MSFRS Extended Connection ¹	MS9BN	85.00	74.00	56.00	925.00
- MSFRS Extended Connection ²	MS9BN	90.00	78.00	59.00	925.00
- MSFRS Extended Connection ³	MS9BN	100.00	85.00	64.00	925.00
- MSFRS Extended Connection ⁴	MS9BN	105.00	89.00	66.00	925.00
- MSFRS Extended Connection ⁵	MS9BN	110.00	93.00	69.00	925.00
- MSFRS Extended Connection ⁶	MS9BN	115.00	96.00	71.00	925.00

- Note 1: Customer Premises SWC is over 0 to 20 miles outside Service Area.
 Note 2: Customer Premises SWC is over 20 to 50 miles outside Service Area.
 Note 3: Customer Premises SWC is over 50 to 75 miles outside Service Area.
 Note 4: Customer Premises SWC is over 75 to 100 miles outside Service Area.
 Note 5: Customer Premises SWC is over 100 to 125 miles outside Service Area.
 Note 6: Customer Premises SWC is over 125 miles outside Service Area.
 Note 7: See Page 21-1 for service availability information.

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd) (N)

21.3.10 Rates and Charges (Cont'd)

(A) MSFRS Connections (Cont'd)

(6) Automatic Back-Up NNI

	USOC	Month to Month	Plan A 12 to 24 Months	Plan B 25 to 48 Months	Nonrecurring Charges
56 Kbps (BCOS : MS9X5)					
- MSFRS Connection	MS9B0	\$ 75.00	\$ 66.00	\$ 51.00	\$ 850.00
- MSFRS Extended Connection ¹	MS9BP	85.00	74.00	56.00	925.00
- MSFRS Extended Connection ²	MS9BP	90.00	78.00	59.00	925.00
- MSFRS Extended Connection ³	MS9BP	100.00	85.00	64.00	925.00
- MSFRS Extended Connection ⁴	MS9BP	105.00	89.00	66.00	925.00
- MSFRS Extended Connection ⁵	MS9BP	110.00	93.00	69.00	925.00
- MSFRS Extended Connection ⁶	MS9BP	115.00	96.00	71.00	925.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Connection	MS9B0	\$ 75.00	\$ 66.00	\$ 51.00	\$ 850.00
- MSFRS Extended Connection ¹	MS9BP	85.00	74.00	56.00	925.00
- MSFRS Extended Connection ²	MS9BP	90.00	78.00	59.00	925.00
- MSFRS Extended Connection ³	MS9BP	100.00	85.00	64.00	925.00
- MSFRS Extended Connection ⁴	MS9BP	105.00	89.00	66.00	925.00
- MSFRS Extended Connection ⁵	MS9BP	110.00	93.00	69.00	925.00
- MSFRS Extended Connection ⁶	MS9BP	115.00	96.00	71.00	925.00

- Note 1: Customer Premises SWC is over 0 to 20 miles outside Service Area.
 Note 2: Customer Premises SWC is over 20 to 50 miles outside Service Area.
 Note 3: Customer Premises SWC is over 50 to 75 miles outside Service Area.
 Note 4: Customer Premises SWC is over 75 to 100 miles outside Service Area.
 Note 5: Customer Premises SWC is over 100 to 125 miles outside Service Area.
 Note 6: Customer Premises SWC is over 125 miles outside Service Area.
 Note 7: See Page 21-1 for service availability information.

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽⁷⁾

(N)

21.3.10 Rates and Charges (Cont'd)

(B) MSFRS Meetpoint Extended Connections
 (1) UNI

	<u>USOC</u>	<u>Month to Month</u>	<u>A 12 to 24 Months</u>	<u>B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
56 Kbps (BCOS : MS9X5)					
- MSFRS Meetpoint Extended Connection ¹	1L5RU	\$ 150.00	\$ 128.00	\$ 97.00	\$ 575.00
- MSFRS Meetpoint Extended Connection ²	1L5RU	160.00	136.00	102.00	575.00
- MSFRS Meetpoint Extended Connection ³	1L5RU	180.00	151.00	113.00	575.00
- MSFRS Meetpoint Extended Connection ⁴	1L5RU	190.00	158.00	118.00	575.00
- MSFRS Meetpoint Extended Connection ⁵	1L5RU	200.00	166.00	123.00	575.00
- MSFRS Meetpoint Extended Connection ⁶	1L5RU	210.00	173.00	128.00	575.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Meetpoint Extended Connection ¹	1L5RU	\$ 150.00	\$ 128.00	\$ 97.00	\$ 575.00
- MSFRS Meetpoint Extended Connection ²	1L5RU	160.00	136.00	102.00	575.00
- MSFRS Meetpoint Extended Connection ³	1L5RU	180.00	151.00	113.00	575.00
- MSFRS Meetpoint Extended Connection ⁴	1L5RU	190.00	158.00	118.00	575.00
- MSFRS Meetpoint Extended Connection ⁵	1L5RU	200.00	166.00	123.00	575.00
- MSFRS Meetpoint Extended Connection ⁶	1L5RU	210.00	173.00	128.00	575.00

- Note 1: Meetpoint is over 0 to 20 miles outside Service Area.
 Note 2: Meetpoint is over 20 to 50 miles outside Service Area.
 Note 3: Meetpoint is over 50 to 75 miles outside Service Area.
 Note 4: Meetpoint is over 75 to 100 miles outside Service Area.
 Note 5: Meetpoint is over 100 to 125 miles outside Service Area.
 Note 6: Meetpoint is over 125 miles outside Service Area.
 Note 7: See Page 21-1 for service availability information.

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽⁷⁾ (N)

21.3.10 Rates and Charges (Cont'd)

(B) MSFRS Meetpoint Extended Connections (Cont'd)
 (1) UNI (Cont'd)

	<u>USOC</u>	<u>Month to Month</u>	<u>A</u> 12 to 24 <u>Months</u>	<u>B</u> 25 to 48 <u>Months</u>	<u>Nonrecurring Charges</u>
112 Kbps (BCOS : MS9XU)					
- MSFRS Meetpoint Extended Connection ¹	MS9MA	\$ 385.00	\$ 337.00	\$ 292.00	\$ 770.00
- MSFRS Meetpoint Extended Connection ²	MS9MA	505.00	433.00	356.00	770.00
- MSFRS Meetpoint Extended Connection ³	MS9MA	605.00	512.00	413.00	770.00
- MSFRS Meetpoint Extended Connection ⁴	MS9MA	725.00	606.00	480.00	770.00
- MSFRS Meetpoint Extended Connection ⁵	MS9MA	825.00	683.00	535.00	770.00
- MSFRS Meetpoint Extended Connection ⁶	MS9MA	925.00	760.00	607.00	770.00
128 Kbps (BCOS : MS9XU)					
- MSFRS Meetpoint Extended Connection ¹	MS9MB	\$ 385.00	\$ 337.00	\$ 292.00	\$ 770.00
- MSFRS Meetpoint Extended Connection ²	MS9MB	505.00	433.00	356.00	770.00
- MSFRS Meetpoint Extended Connection ³	MS9MB	605.00	512.00	413.00	770.00
- MSFRS Meetpoint Extended Connection ⁴	MS9MB	725.00	606.00	480.00	770.00
- MSFRS Meetpoint Extended Connection ⁵	MS9MB	825.00	683.00	535.00	770.00
- MSFRS Meetpoint Extended Connection ⁶	MS9MB	925.00	760.00	607.00	770.00

Note 1: Meetpoint is over 0 to 20 miles outside Service Area.
 Note 2: Meetpoint is over 20 to 50 miles outside Service Area.
 Note 3: Meetpoint is over 50 to 75 miles outside Service Area.
 Note 4: Meetpoint is over 75 to 100 miles outside Service Area.
 Note 5: Meetpoint is over 100 to 125 miles outside Service Area.
 Note 6: Meetpoint is over 125 miles outside Service Area.
 Note 7: See Page 21-1 for service availability information.

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽⁷⁾

(N)

21.3.10 Rates and Charges (Cont'd)

(B) MSFRS Meetpoint Extended Connections (Cont'd)
 (1) UNI (Cont'd)

	<u>USOC</u>	<u>Month to Month</u>	<u>A 12 to 24 Months</u>	<u>B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
192 Kbps (BCOS : MS9XU)					
- MSFRS Meetpoint Extended Connection ⁽¹⁾	MS9MC	\$ 450.00	\$ 394.00	\$ 314.00	\$ 770.00
- MSFRS Meetpoint Extended Connection ⁽²⁾	MS9MC	570.00	489.00	401.00	770.00
- MSFRS Meetpoint Extended Connection ⁽³⁾	MS9MC	670.00	567.00	457.00	770.00
- MSFRS Meetpoint Extended Connection ⁽⁴⁾	MS9MC	790.00	660.00	523.00	770.00
- MSFRS Meetpoint Extended Connection ⁽⁵⁾	MS9MC	890.00	737.00	577.00	770.00
- MSFRS Meetpoint Extended Connection ⁽⁶⁾	MS9MC	990.00	814.00	650.00	770.00

Note 1: Customer Premises SWC is over 0 to 20 miles outside Service Area.
 Note 2: Customer Premises SWC is over 20 to 50 miles outside Service Area.
 Note 3: Customer Premises SWC is over 50 to 75 miles outside Service Area.
 Note 4: Customer Premises SWC is over 75 to 100 miles outside Service Area.
 Note 5: Customer Premises SWC is over 100 to 125 miles outside Service Area.
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 Note 7: See Page 21-1 for service availability information.

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽⁷⁾ (N)

21.3.10 Rates and Charges (Cont'd)

(B) MSFRS Meetpoint Extended Connections
 (2) NNI

	<u>USOC</u>	<u>Month to Month</u>	<u>A 12 to 24 Months</u>	<u>B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
56 Kbps (BCOS : MS9X5)					
- MSFRS Meetpoint Extended Connection ¹	1L5RN	\$ 150.00	\$ 128.00	\$ 97.00	\$ 575.00
- MSFRS Meetpoint Extended Connection ²	1L5RN	160.00	136.00	102.00	575.00
- MSFRS Meetpoint Extended Connection ³	1L5RN	180.00	151.00	113.00	575.00
- MSFRS Meetpoint Extended Connection ⁴	1L5RN	190.00	158.00	118.00	575.00
- MSFRS Meetpoint Extended Connection ⁵	1L5RN	200.00	166.00	123.00	575.00
- MSFRS Meetpoint Extended Connection ⁶	1L5RN	210.00	173.00	128.00	575.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Meetpoint Extended Connection ¹	1L5RN	\$ 150.00	\$ 128.00	\$ 97.00	\$ 575.00
- MSFRS Meetpoint Extended Connection ²	1L5RN	160.00	136.00	102.00	575.00
- MSFRS Meetpoint Extended Connection ³	1L5RN	180.00	151.00	113.00	575.00
- MSFRS Meetpoint Extended Connection ⁴	1L5RN	190.00	158.00	118.00	575.00
- MSFRS Meetpoint Extended Connection ⁵	1L5RN	200.00	166.00	123.00	575.00
- MSFRS Meetpoint Extended Connection ⁶	1L5RN	210.00	173.00	128.00	575.00

Note 1: Meetpoint is over 0 to 20 miles outside Service Area.
 Note 2: Meetpoint is over 20 to 50 miles outside Service Area.
 Note 3: Meetpoint is over 50 to 75 miles outside Service Area.
 Note 4: Meetpoint is over 75 to 100 miles outside Service Area.
 Note 5: Meetpoint is over 100 to 125 miles outside Service Area.
 Note 6: Meetpoint is over 125 miles outside Service Area.
 Note 7: See Page 21-1 for service availability information.

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽⁷⁾

(N)

21.3.10 Rates and Charges (Cont'd)

(B) MSFRS Meetpoint Extended Connections (Cont'd)
 (2) NNI (Cont'd)

	<u>USOC</u>	<u>Month to Month</u>	<u>A 12 to 24 Months</u>	<u>B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
112 Kbps (BCOS : MS9XU)					
- MSFRS Meetpoint Extended Connection ¹	MS9PA	\$ 385.00	\$ 337.00	\$ 292.00	\$ 770.00
- MSFRS Meetpoint Extended Connection ²	MS9PA	505.00	433.00	356.00	770.00
- MSFRS Meetpoint Extended Connection ³	MS9PA	605.00	512.00	413.00	770.00
- MSFRS Meetpoint Extended Connection ⁴	MS9PA	725.00	606.00	480.00	770.00
- MSFRS Meetpoint Extended Connection ⁵	MS9PA	825.00	683.00	535.00	770.00
- MSFRS Meetpoint Extended Connection ⁶	MS9PA	925.00	760.00	607.00	770.00
128 Kbps (BCOS : MS9XU)					
- MSFRS Meetpoint Extended Connection ¹	MS9PB	\$ 385.00	\$ 337.00	\$ 292.00	\$ 770.00
- MSFRS Meetpoint Extended Connection ²	MS9PB	505.00	433.00	356.00	770.00
- MSFRS Meetpoint Extended Connection ³	MS9PB	605.00	512.00	413.00	770.00
- MSFRS Meetpoint Extended Connection ⁴	MS9PB	725.00	606.00	480.00	770.00
- MSFRS Meetpoint Extended Connection ⁵	MS9PB	825.00	683.00	535.00	770.00
- MSFRS Meetpoint Extended Connection ⁶	MS9PB	925.00	760.00	607.00	770.00

- Note 1: Meetpoint is over 0 to 20 miles outside Service Area.
 Note 2: Meetpoint is over 20 to 50 miles outside Service Area.
 Note 3: Meetpoint is over 50 to 75 miles outside Service Area.
 Note 4: Meetpoint is over 75 to 100 miles outside Service Area.
 Note 5: Meetpoint is over 100 to 125 miles outside Service Area.
 Note 6: Meetpoint is over 125 miles outside Service Area.
 Note 7: See Page 21-1 for service availability information.

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽⁷⁾

(N)

21.3.10 Rates and Charges (Cont'd)

(B) MSFRS Meetpoint Extended Connections (Cont'd)
 (2) NNI (Cont'd)

	<u>USOC</u>	<u>Month to Month</u>	<u>A 12 to 24 Months</u>	<u>B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
192 Kbps (BCOS : MS9XU)					
- MSFRS Meetpoint Extended Connection ⁽¹⁾	MS9PC	\$ 450.00	\$ 394.00	\$ 341.00	\$ 770.00
- MSFRS Meetpoint Extended Connection ⁽²⁾	MS9PC	570.00	489.00	401.00	770.00
- MSFRS Meetpoint Extended Connection ⁽³⁾	MS9PC	670.00	567.00	457.00	770.00
- MSFRS Meetpoint Extended Connection ⁽⁴⁾	MS9PC	790.00	660.00	523.00	770.00
- MSFRS Meetpoint Extended Connection ⁽⁵⁾	MS9PC	890.00	737.00	577.00	770.00
- MSFRS Meetpoint Extended Connection ⁽⁶⁾	MS9PC	990.00	814.00	650.00	770.00

Note 1: Customer Premises SWC is over 0 to 20 miles outside Service Area.
 Note 2: Customer Premises SWC is over 20 to 50 miles outside Service Area.
 Note 3: Customer Premises SWC is over 50 to 75 miles outside Service Area.
 Note 4: Customer Premises SWC is over 75 to 100 miles outside Service Area.
 Note 5: Customer Premises SWC is over 100 to 125 miles outside Service Area.
 Note 6: Customer Premises SWC is over 125 miles outside Service Area.
 Note 7: See Page 21-1 for service availability information.

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽⁷⁾

(N)

21.3.10 Rates and Charges (Cont'd)

(B) MSFRS Meetpoint Extended Connections (Cont'd)

(3) Manual Back-Up UNI

	<u>USOC</u>	<u>Month to Month</u>	<u>Plan A 12 to 24 Months</u>	<u>Plan B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
56 Kbps (BCOS : MS9X5)					
- MSFRS Meetpoint Extended Connection ¹	MS9BQ	\$ 75.00	\$ 65.00	\$ 50.00	\$ 575.00
- MSFRS Meetpoint Extended Connection ²	MS9BQ	80.00	69.00	52.00	575.00
- MSFRS Meetpoint Extended Connection ³	MS9BQ	90.00	77.00	57.00	575.00
- MSFRS Meetpoint Extended Connection ⁴	MS9BQ	95.00	80.00	60.00	575.00
- MSFRS Meetpoint Extended Connection ⁵	MS9BQ	100.00	84.00	63.00	575.00
- MSFRS Meetpoint Extended Connection ⁶	MS9BQ	105.00	88.00	65.00	575.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Meetpoint Extended Connection ¹	MS9BQ	\$ 75.00	\$ 65.00	\$ 50.00	\$ 575.00
- MSFRS Meetpoint Extended Connection ²	MS9BQ	80.00	69.00	52.00	575.00
- MSFRS Meetpoint Extended Connection ³	MS9BQ	90.00	77.00	57.00	575.00
- MSFRS Meetpoint Extended Connection ⁴	MS9BQ	95.00	80.00	60.00	575.00
- MSFRS Meetpoint Extended Connection ⁵	MS9BQ	100.00	84.00	63.00	575.00
- MSFRS Meetpoint Extended Connection ⁶	MS9BQ	105.00	88.00	65.00	575.00

Note 1: Meetpoint is over 0 to 20 miles outside Service Area.

Note 2: Meetpoint is over 20 to 50 miles outside Service Area.

Note 3: Meetpoint is over 50 to 75 miles outside Service Area.

Note 4: Meetpoint is over 75 to 100 miles outside Service Area.

Note 5: Meetpoint is over 100 to 125 miles outside Service Area.

Note 6: Meetpoint is over 125 miles outside Service Area.

Note 7: See Page 21-1 for service availability information.

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽⁷⁾

(N)

21.3.10 Rates and Charges (Cont'd)

(B) MSFRS Meetpoint Extended Connections (Cont'd)

(4) Automatic Back-Up UNI

	<u>USOC</u>	<u>Month to Month</u>	<u>Plan A 12 to 24 Months</u>	<u>Plan B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
56 Kbps (BCOS : MS9X5)					
- MSFRS Meetpoint Extended Connection ¹	MS9BR	\$ 75.00	\$ 65.00	\$ 50.00	\$ 575.00
- MSFRS Meetpoint Extended Connection ²	MS9BR	80.00	69.00	52.00	575.00
- MSFRS Meetpoint Extended Connection ³	MS9BR	90.00	77.00	57.00	575.00
- MSFRS Meetpoint Extended Connection ⁴	MS9BR	95.00	80.00	60.00	575.00
- MSFRS Meetpoint Extended Connection ⁵	MS9BR	100.00	84.00	63.00	575.00
- MSFRS Meetpoint Extended Connection ⁶	MS9BR	105.00	88.00	65.00	575.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Meetpoint Extended Connection ¹	MS9BR	\$ 75.00	\$ 65.00	\$ 50.00	\$ 575.00
- MSFRS Meetpoint Extended Connection ²	MS9BR	80.00	69.00	52.00	575.00
- MSFRS Meetpoint Extended Connection ³	MS9BR	90.00	77.00	57.00	575.00
- MSFRS Meetpoint Extended Connection ⁴	MS9BR	95.00	80.00	60.00	575.00
- MSFRS Meetpoint Extended Connection ⁵	MS9BR	100.00	84.00	63.00	575.00
- MSFRS Meetpoint Extended Connection ⁶	MS9BR	105.00	88.00	65.00	575.00

- Note 1: Meetpoint is over 0 to 20 miles outside Service Area.
 Note 2: Meetpoint is over 20 to 50 miles outside Service Area.
 Note 3: Meetpoint is over 50 to 75 miles outside Service Area.
 Note 4: Meetpoint is over 75 to 100 miles outside Service Area.
 Note 5: Meetpoint is over 100 to 125 miles outside Service Area.
 Note 6: Meetpoint is over 125 miles outside Service Area.
 Note 7: See Page 21-1 for service availability information.

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽⁷⁾

(N)

21.3.10 Rates and Charges (Cont'd)

(B) MSFRS Meetpoint Extended Connections (Cont'd)

(5) Manual Back-Up NNI

	<u>USOC</u>	<u>Month to Month</u>	<u>Plan A 12 to 24 Months</u>	<u>Plan B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
56 Kbps (BCOS : MS9X5)					
- MSFRS Meetpoint Extended Connection ¹	MS9BS	\$ 75.00	\$ 65.00	\$ 50.00	\$ 575.00
- MSFRS Meetpoint Extended Connection ²	MS9BS	80.00	69.00	52.00	575.00
- MSFRS Meetpoint Extended Connection ³	MS9BS	90.00	77.00	57.00	575.00
- MSFRS Meetpoint Extended Connection ⁴	MS9BS	95.00	80.00	60.00	575.00
- MSFRS Meetpoint Extended Connection ⁵	MS9BS	100.00	84.00	63.00	575.00
- MSFRS Meetpoint Extended Connection ⁶	MS9BS	105.00	88.00	65.00	575.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Meetpoint Extended Connection ¹	MS9BS	\$ 75.00	\$ 65.00	\$ 50.00	\$ 575.00
- MSFRS Meetpoint Extended Connection ²	MS9BS	80.00	69.00	52.00	575.00
- MSFRS Meetpoint Extended Connection ³	MS9BS	90.00	77.00	57.00	575.00
- MSFRS Meetpoint Extended Connection ⁴	MS9BS	95.00	80.00	60.00	575.00
- MSFRS Meetpoint Extended Connection ⁵	MS9BS	100.00	84.00	63.00	575.00
- MSFRS Meetpoint Extended Connection ⁶	MS9BS	105.00	88.00	65.00	575.00

Note 1: Meetpoint is over 0 to 20 miles outside Service Area.

Note 2: Meetpoint is over 20 to 50 miles outside Service Area.

Note 3: Meetpoint is over 50 to 75 miles outside Service Area.

Note 4: Meetpoint is over 75 to 100 miles outside Service Area.

Note 5: Meetpoint is over 100 to 125 miles outside Service Area.

Note 6: Meetpoint is over 125 miles outside Service Area.

Note 7: See Page 21-1 for service availability information.

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽⁷⁾

(N)

21.3.10 Rates and Charges (Cont'd)

(B) MSFRS Meetpoint Extended Connections (Cont'd)

(6) Automatic Back-Up NNI

	<u>USOC</u>	<u>Month to Month</u>	<u>Plan A 12 to 24 Months</u>	<u>Plan B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
56 Kbps (BCOS : MS9X5)					
- MSFRS Meetpoint Extended Connection ¹	MS9BT	\$ 75.00	\$ 65.00	\$ 50.00	\$ 575.00
- MSFRS Meetpoint Extended Connection ²	MS9BT	80.00	69.00	52.00	575.00
- MSFRS Meetpoint Extended Connection ³	MS9BT	90.00	77.00	57.00	575.00
- MSFRS Meetpoint Extended Connection ⁴	MS9BT	95.00	80.00	60.00	575.00
- MSFRS Meetpoint Extended Connection ⁵	MS9BT	100.00	84.00	63.00	575.00
- MSFRS Meetpoint Extended Connection ⁶	MS9BT	105.00	88.00	65.00	575.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Meetpoint Extended Connection ¹	MS9BT	\$ 75.00	\$ 65.00	\$ 50.00	\$ 575.00
- MSFRS Meetpoint Extended Connection ²	MS9BT	80.00	69.00	52.00	575.00
- MSFRS Meetpoint Extended Connection ³	MS9BT	90.00	77.00	57.00	575.00
- MSFRS Meetpoint Extended Connection ⁴	MS9BT	95.00	80.00	60.00	575.00
- MSFRS Meetpoint Extended Connection ⁵	MS9BT	100.00	84.00	63.00	575.00
- MSFRS Meetpoint Extended Connection ⁶	MS9BT	105.00	88.00	65.00	575.00

- Note 1: Meetpoint is over 0 to 20 miles outside Service Area.
 Note 2: Meetpoint is over 20 to 50 miles outside Service Area.
 Note 3: Meetpoint is over 50 to 75 miles outside Service Area.
 Note 4: Meetpoint is over 75 to 100 miles outside Service Area.
 Note 5: Meetpoint is over 100 to 125 miles outside Service Area.
 Note 6: Meetpoint is over 125 miles outside Service Area.
 Note 7: See Page 21-1 for service availability information.

(N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽⁴⁾

(N)

21.3.10 Rates and Charges (Cont'd)

(C) Optional Features

	<u>USOC</u>	<u>Month</u> to <u>Month</u>	<u>Nonrecurring</u> <u>Charges</u>
(1) DLCI ¹			
-Initial Standard DLCI ²	XAFD1	None	None
-Additional Standard DLCI	XAFD2	\$ 1.50	\$ 70.00
-Initial Priority DLCI ^{2,3}	XAFP1	\$ 5.00	None
-Additional Priority DLCI ³	XAFP2	\$ 5.00	\$ 70.00
-Standard Pivot DLCI	XAFD3	\$ 1.50	\$ 70.00
-Standard Primary DLCI	XAFD4	\$ 1.50	\$ 70.00
-Standard Secondary DLCI	XAFD5	\$ 1.50	\$ 70.00
-Priority Pivot DLCI ³	XAFP3	\$ 5.00	\$ 70.00
-Priority Primary DLCI ³	XAFP4	\$ 5.00	\$ 70.00
-Priority Secondary DLCI ³	XAFP5	\$ 5.00	\$ 70.00

Note 1: These DLCI charges are not applicable for configurable DLCIs provided as part of a Configurable DLCI Bundle associated with CNM-Customer Configuration Management Capability.

Note 2: One "Initial" DLCI is applicable when DLCIs are ordered at the same time as the installation of the MSFRS Connection. Only one Initial DLCI (either one Initial Standard DLCI or one Initial Priority DLCI) is allowed per MSFRS Connection; all other DLCIs are considered Additional DLCIs.

Note 3: A Priority DLCI must have CIR with a value greater than 0.

Note 4: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽²⁾ (N)

21.3.10 Rates and Charges (Cont'd)

(C) Optional Features (Cont'd)

	<u>USOC</u>	<u>Month to Month</u>	<u>Nonrecurring Charges</u>
(2) Standard Committed Information Rate (CIR), Per DLCI to be mapped to another DLCI ⁽¹⁾			
-0 Bps	XAFCA	None	None
-Over 0 thru 32 Kbps	XAFCB	\$ 6.30	None
-Over 32 thru 56 Kbps	XAFCC	10.80	None
-Over 56 thru 64 Kbps	XAFCD	11.70	None
-Over 64 thru 128 Kbps	XAFCG	16.20	None
-Over 128 thru 256 Kbps	XAFCH	21.60	None

Note 1: These CIR Charges are not applicable for configurable DLCIs provided within a Configurable (T)

DLCI Bundle (which include CIR and ISAL CIR of up to 64 Kbps per configurable DLCI) associated with Customer Configuration Management Capability.

Note 2: See Page 21-1 for service availability information. (N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽¹⁾ (N)

21.3.10 Rates and Charges (Cont'd)

(C) Optional Features (Cont'd)

	<u>USOC</u>	Month to Month	Nonrecurring Charges
(3) Frame Relay to ATM Network Interworking Committed Information Rate (CIR), Per DLCI to be mapped to an ATM PVC Segment			
-0 Bps	MS95A	\$.15	None
-Over 0 thru 32 Kbps	MS95B	6.90	None
-Over 32 thru 56 Kbps	MS95C	11.90	None
-Over 56 thru 64 Kbps	MS95D	12.90	None
-Over 64 thru 128 Kbps	MS95G	17.80	None
-Over 128 thru 256 Kbps	MS95H	23.80	None

Note 1: See Page 21-1 for service availability information. (N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽²⁾ (N)

21.3.10 Rates and Charges(Cont'd)

(C) Optional Features (Cont'd)

	<u>USOC</u>	<u>Month to Month</u>	<u>Nonrecurring Charges</u>
(4) Inter Service Area Link (ISAL) Committed Information Rate (CIR) (Per ISAL PVC, per end of link) ⁽¹⁾			
-0 thru 32 Kbps	MS9CB	\$ 6.30	\$ 35.00
-Over 32 thru 56 Kbps	MS9CC	10.80	35.00
-Over 56 thru 64 Kbps	MS9CD	11.70	35.00
-Over 64 thru 128 Kbps	MS9CG	16.20	35.00
-Over 128 thru 256 Kbps	MS9CH	21.60	35.00

Note 1: These ISAL CIR Charges are not applicable for configurable DLCIs provided within a Configurable DLCI Bundle (which include CIR and ISAL CIR of up to 64 Kbps per configurable DLCI) associated with CNM-Customer Configuration Management Capability. (T)

Note 2: See Page 21-1 for service availability information. (N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽¹⁾ (N)

21.3.10 Rates and Charges(Cont'd)

(C) Optional Features (Cont'd)

(5) Intelligent PVC

Intelligent PVC Charge - One Intelligent PVC Charge applies per customer-specified arrangement of 3 DLCIs and is in addition to the charges for DLCIs.

a) Per Intelligent PVC

	<u>USOC</u>	Month To <u>Month</u>	<u>Nonrecurring Charges</u>
Each	FRV1P	\$ 2.00	None

Note 1: See Page 21-1 for service availability information. (N)

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
 21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽³⁾ (N)

21.3.10 Rates and Charges (Cont'd)

(C) Optional Features (Cont'd)

(6) Special Provisioning UNI⁽¹⁾

	USOC	Month to Month	Plan A 12 to 24 Months	Plan B 25 to 48 Months	Nonrecurring Charges
56 Kbps (BCOS : MS9X5)					
- MSFRS Connection	MS9AA	\$ 23.00	\$ 20.00	\$ 18.00	\$ 128.00
- MSFRS Extended Connection ⁽²⁾	MS9AB	30.00	27.00	24.00	128.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Connection	MS9AA	23.00	20.00	18.00	128.00
- MSFRS Extended Connection ⁽²⁾	MS9AB	30.00	27.00	24.00	128.00
112 Kbps (BCOS : MS9XU)					
- MSFRS Connection	MS9AA	38.00	34.00	31.00	139.00
- MSFRS Extended Connection ⁽²⁾	MS9AB	95.00	86.00	76.00	139.00
128 Kbps (BCOS : MS9XU)					
- MSFRS Connection	MS9AC	38.00	34.00	31.00	139.00
- MSFRS Extended Connection ⁽²⁾	MS9DC	95.00	86.00	76.00	139.00
192 Kbps (BCOS : MS9XU)					
- MSFRS Connection	MS9AD	48.00	43.00	38.00	139.00
- MSFRS Extended Connection ⁽²⁾	MS9DD	105.00	95.00	84.00	139.00

Note 1: Special Provisioning charges are in addition to Standard or Primary MSFRS Connection charges. (T)

Note 2: Customer Premises SWC is outside Service Area. (T)

Note 3: See Page 21-1 for service availability information. (N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
 21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽³⁾

(N)

21.3.10 Rates and Charges (Cont'd)

(C) Optional Features (Cont'd)

(7) Special Provisioning NNI⁽¹⁾

	USOC	Month to Month	Plan A 12 to 24 Months	Plan B 25 to 48 Months	Nonrecurring Charges
56 Kbps (BCOS : MS9X5)					
- MSFRS Connection	MS9AA	\$ 23.00	\$ 20.00	\$ 18.00	\$ 128.00
- MSFRS Extended Connection ⁽²⁾	MS9AB	30.00	27.00	24.00	128.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Connection	MS9AA	23.00	20.00	18.00	128.00
- MSFRS Extended Connection ⁽²⁾	MS9AB	30.00	27.00	24.00	128.00
112 Kbps (BCOS : MS9XU)					
- MSFRS Connection	MS9AA	38.00	34.00	31.00	139.00
- MSFRS Extended Connection ⁽²⁾	MS9AB	95.00	86.00	76.00	139.00
128 Kbps (BCOS : MS9XU)					
- MSFRS Connection	MS9AC	38.00	34.00	31.00	139.00
- MSFRS Extended Connection ⁽²⁾	MS9DC	95.00	86.00	76.00	139.00
192 Kbps (BCOS : MS9XU)					
- MSFRS Connection	MS9AD	48.00	43.00	38.00	139.00
- MSFRS Extended Connection ⁽²⁾	MS9DD	105.00	95.00	84.00	139.00

Note 1: Special Provisioning charges are in addition to Standard or Primary MSFRS Connection charges.

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Note 2: Customer Premises SWC is outside Service Area.

Note 3: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
 21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽³⁾ (N)

21.3.10 Rates and Charges (Cont'd)

(C) Optional Features (Cont'd)

(8) Special Provisioning UNI⁽¹⁾

	<u>USOC</u>	<u>Month to Month</u>	<u>Plan A 12 to 24 Months</u>	<u>Plan B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
56 Kbps (BCOS : MS9X5)					
- MSFRS Meetpoint Extended Connection ⁽²⁾	MS9JA	\$ 27.00	\$ 24.00	\$ 22.00	\$ 86.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Meetpoint Extended Connection ⁽²⁾	MS9JA	27.00	24.00	22.00	86.00
112 Kbps (BCOS : MS9XU)					
- MSFRS Meetpoint Extended Connection ⁽²⁾	MS9JA	91.00	82.00	73.00	116.00
128 Kbps (BCOS : MS9XU)					
- MSFRS Meetpoint Extended Connection ⁽²⁾	MS9JC	91.00	82.00	73.00	116.00
192 Kbps (BCOS : MS9XU)					
- MSFRS Meetpoint Extended Connection ⁽²⁾	MS9JD	101.00	90.00	80.00	116.00

Note 1: Special Provisioning charges are in addition to Standard or Primary MSFRS Connection charges. (T)

Note 2: Meetpoint is outside Service Area. (T)

Note 3: See Page 21-1 for service availability information. (N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽³⁾ (N)

21.3.10 Rates and Charges (Cont'd)

(C) Optional Features (Cont'd)

(9) Special Provisioning NNI⁽¹⁾

	<u>USOC</u>	<u>Month to Month</u>	<u>Plan A 12 to 24 Months</u>	<u>Plan B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
56 Kbps (BCOS : MS9X5)					
- MSFRS Meetpoint Extended Connection ⁽²⁾	MS9JA	\$ 27.00	\$ 24.00	\$ 22.00	\$ 86.00
64 Kbps (BCOS : MS9X6)					
- MSFRS Meetpoint Extended Connection ⁽²⁾	MS9JA	27.00	24.00	22.00	86.00
112 Kbps (BCOS : MS9XU)					
- MSFRS Meetpoint Extended Connection ⁽²⁾	MS9JA	91.00	82.00	73.00	116.00
128 Kbps (BCOS : MS9XU)					
- MSFRS Meetpoint Extended Connection ⁽²⁾	MS9JC	91.00	82.00	73.00	116.00
192 Kbps (BCOS : MS9XU)					
- MSFRS Meetpoint Extended Connection ⁽²⁾	MS9JD	101.00	90.00	80.00	116.00

Note 1: Special Provisioning charges are in addition to Standard or Primary MSFRS Connection charges. (T)

Note 2: Meetpoint is outside Service Area. (T)

Note 3: See Page 21-1 for service availability information. (N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS)⁽¹⁾

(N)

21.3.10 Rates and Charges (Cont'd)

(C) Optional Features (Cont'd)

(10) CNM-Customer Configuration Management Capability - Rate elements following for CNM-Customer Configuration Management Capability are applicable for DLCIs, CIR and ISAL CIR associated with configurable PVCs provisioned by the customer; these rates and charges apply in lieu of those preceding for DLCI, CIR and ISAL CIR rate elements applicable for standard PVCs provisioned by the Company.

- Configurable DLCI Bundles - Each bundle provides the specified quantity of configurable DLCIs, with up to 64 Kbps of CIR and ISAL CIR per DLCI. Multiple bundles may be selected to secure the total quantity, or block, of configurable DLCIs for a MSFRS Connection.

	<u>USOC</u>	<u>Monthly Rate</u>
- 2 DLCI Bundle	XAFKA	\$ 16.50
- 5 DLCI Bundle	XAFKB	41.00
- 15 DLCI Bundle	XAFKC	121.00
- 25 DLCI Bundle	XAFKD	197.00
- 35 DLCI Bundle	XAFKE	270.00
- 50 DLCI Bundle	XAFKF	373.00
- 100 DLCI Bundle	XAFKG	664.00
- 200 DLCI Bundle	XAFKH	1,162.00
- 300 DLCI Bundle	XAFKJ	1,494.00
- 400 DLCI Bundle	XAFKK	1,660.00

- Configurable DLCI Block Establishment/Change Charge - This nonrecurring charge is applicable to initially establish the block of configurable DLCIs for a MSFRS Connection. This charge is also applicable per subsequent request to change the size of the block of configurable DLCIs. Only one such nonrecurring charge applies per request regardless of how many Configurable DLCI Bundles are requested to initially establish the block or are requested subsequently to be added or deleted.

	<u>USOC</u>	<u>Nonrecurring Charge</u>
- Per Request	XAFKY	\$45.00

- DLCI Conversion Charge - This nonrecurring charge is applicable per standard DLCI requested to be converted to a configurable DLCI and per configurable DLCI requested to be converted to a standard DLCI.

	<u>USOC</u>	<u>Nonrecurring Charge</u>
- Per DLCI	XAFKZ	\$16.00

Note 1: See Page 21-1 for service availability information.

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.3 Managed Shared Frame Relay Service (MSFRS) (Cont'd)⁽²⁾ (N)

21.3.10 Rates and Charges(Cont'd)

(D) Feature Change Charge	<u>USOC</u>	Month to <u>Month</u>	Nonrecurring <u>Charges</u>
-Per Occurrence, Per Feature	XAFFC	None	\$ 50.00
 (E) Transfer of Service			
-Per Billing Account Number	XAFTF	None	65.00
 (F) Fast Speed Change Charge			
-112 Kbps thru 1152 Kbps ⁽¹⁾	MS9F1	None	500.00
 (G) Primary MSFRS Connection			
Enablement/Change Charge	MS5EC	None	\$ 125.00

Note 1: This nonrecurring charge applies per connection changed to either 1) another speed as defined above or 2) a 1.536 Mbps connection. Accordingly, the Fast Speed Change Charge (T)

applies in lieu of the Nonrecurring Charge specified in the MSFRS Connections and MSFRS Meetpoint Extended Connections sections of this tariff.

Note 2: See Page 21-1 for service availability information. (N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.4 BellSouth Customer Network Management - Network Visibility Service
(CNM-NVS)⁽¹⁾

(N)

21.4.1 General Description

BellSouth CNM-NVS is available on an optional basis as a feature of the following Fast Packet Access Services:

- Exchange Access Frame Relay Service (XAFRS) (a.k.a. BellSouth Exchange Access Frame Relay Service) described in 21.1
- BellSouth Managed Shared Frame Relay Service (MSFRS) described in 21.4

BellSouth CNM-NVS is a customer network management tool that provides customers a view into their BellSouth Fast Packet network for monitoring and trouble shooting purposes. The following CNM-NVS options are available for XAFRS and MSFRS: Fault Management, On Demand Statistics and Performance Reports.

BellSouth CNM-NVS supports hierarchical names. For example, a customer defines an overall network name (usually the customer name) and then may choose to establish multiple sub-network names. A maximum of five hierarchical tiers are available (the overall network plus four sub-network tiers).

Note 1: See Page 21-1 for service availability information.

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
21 - Fast Packet Access Services

21.4 BellSouth Customer Network Management - Network Visibility Service
CNM-NVS (Cont'd)⁽¹⁾

(N)

21.4.1 General Description (Cont'd)

Access to the BellSouth CNM-NVS graphical interface is available via a Web Interface; alternatively, a dial or dedicated method described in section 7.4.12, BellSouth SPA CNM - FlexServ Service may also be used to access the CNM-NVS graphical interface. Additionally, CNM-NVS may be accessed via a Remote Message Interface for the collection of raw data. For security reasons, customers are required to identify themselves via a username and password. The username and password are assigned at the time the account is established. Following are descriptions and requirements for each type of Management Access Interface:

1. Web Interface - This interface allows customers to access the BellSouth CNM-NVS graphical interface via the Web using a standard web browser. This type of access requires a Security Card.

Security Card - This card provides the customer a unique password identification code which will electronically change periodically.

If the customer has purchased a Security Card in conjunction with another feature or service offered by BellSouth, that Security Card may also be used in conjunction with CNM-NVS. It is the customer's responsibility to notify BellSouth of an existing Security Card so BellSouth can ensure that the card is validated for multiple features and/or services.

2. Dial Interface access to the BellSouth CNM-NVS graphical interface - See section 7.4.12
3. Dedicated Interface access to the BellSouth CNM-NVS graphical interface - See section 7.4.12
4. Remote Message Interface - This interface will allow SSH-IP connectivity to BellSouth CNM-NVS from other compatible Network Management systems for the collection of raw data. The customer must have SSH access to the CNM-NVS platform. Connectivity must be via a Frame Relay PVC to the Company network. Technical details and limitations on the Remote Message Interface can be found in BellSouth Technical Reference TR-73587.

The customer is responsible for providing and maintaining all terminal equipment necessary to access BellSouth CNM-NVS.

A customer may subscribe to BellSouth CNM-NVS on a monthly basis. An account is established which will include the XAFRS and the MSFRS Connections designated by the customer to have BellSouth CNM-NVS capability. Customers may choose to subscribe to BellSouth CNM-NVS for all Network Interfaces/ Connections in their BellSouth Fast Packet network or choose BellSouth CNM-NVS for only a portion.

Note 1: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.4 BellSouth Customer Network Management - Network Visibility Service
(CNM-NVS) (Cont'd)⁽²⁾

(N)

21.4.1 General Description (Cont'd)

CNM-NVS is available in two packages:

- 1) Fault Management and On Demand Statistics¹ and
- 2) Fault Management, On Demand Statistics and Performance Reports

All network interfaces/connections within a customer's account must be under the same package. If a customer desires to have both packages, a separate account must be established for each package type. Following is a description of the options available for CNM-NVS:

(A) Fault Management

CNM-NVS provides the ability to monitor fault and alarm information as network events occur. If a BellSouth network event results in automatic rerouting of customer owned PVCs on a Network Interface/Connection within the BellSouth Fast Packet network, such that those PVCs are not service impacted, then BellSouth will not send PVC events to the customer. The following Fault Management features will be available on a customer and sub-network basis:

- BellSouth will provide to the customer, in near real time, all events, faults, and network alarms on any Network Interface/Connection or PVC.
- The customer can determine the severity level of alarms displayed and suppress the alarms they do not wish to view.

(B) On Demand Statistics

CNM-NVS provides customers statistics for each Network Interface/Connection and PVC on a customer and sub-network basis.

(C) Performance Reports

CNM-NVS provides customers network performance reports on their BellSouth Fast Packet network. Customers have the capability of requesting performance reports for interfaces. (Interfaces are defined as Network Interfaces/Connections and PVCs). CNM-NVS provides a measure of the level of network performance of a customer's network and individual interfaces that is called the Network Performance Level. The Network Performance Level components include Incoming Utilization, Outgoing Utilization, Discarded Frames/Cells and Congestion. The Network Performance Level is used in several reports to provide a weighted performance measure taking into account all the performance parameters mentioned above.

Note 1: Effective November 15, 2006, this option will not be available for new customer orders.

Note 2: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.4 BellSouth Customer Network Management - Network Visibility Service
(CNM-NVS) (Cont'd)⁽¹⁾

(N)

21.4.1 General Description (Cont'd)

(C) Performance Reports (Cont'd)

Historical Performance Reports will baseline historic network performance, trend future performance and highlight network performance problems. The following selection of reports is available:

- (1) Network Summary Report – Provides an overview of the customer's network performance in terms of Total Frames/Cells Transmitted and Received, Percent Total Utilization, Total Frames/Cells Discarded, and Percent Frames/Cells Discarded of Total Frames/Cells Transmitted and Received.
- (2) Forecast Report – Provides the Network Interfaces/Connections or PVCs that are projected to exceed customer specific thresholds of Utilization and Congestion.
- (3) Network Interface Performance Report – Provides the Network Performance Level on a customer selectable interface (Network Interface/Connection or PVC).
- (4) Capacity Planning Report – Provides the top ten over-utilized and top ten under-utilized interfaces (Network Interface/Connection or PVC).
- (5) Threshold Exceptions Report – Provides a daily report on the top ten interfaces that exceed a customer selectable threshold parameter. These parameters are Input Utilization, Output Utilization, Incoming Congestion, Outgoing Congestion, In Discards, and Out Discards.
- (6) Top Ten Report – Provides a daily report of the top ten interfaces with the highest volumes and the worst Network Performance Level. It also specifies the top ten interfaces with the greatest change in both volume and Network Performance Level.

(D) Customer Training

Customers who desire training for CNM-NVS can request this training from their BellSouth representative and will be charged the nonrecurring charge for Additional Customer Training set forth in Section 7 of this Tariff.

Note 1: See Page 21-1 for service availability information.

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
21 - Fast Packet Access Services

21.4 BellSouth Customer Network Management - Network Visibility Service
(CNM-NVS) (Cont'd)⁽¹⁾

(N)

21.4.2 Maintenance

In order to maintain the quality of CNM-NVS, the Company reserves the right to perform preventive maintenance and software updates. This could result in CNM-NVS being unavailable during the time period between Midnight and 3:00 A.M. Eastern Time on Sundays. In addition, preventive maintenance may be performed on the XAFRS and MSFRS circuits being monitored by CNM-NVS during the time period between 2:00 A.M. and 4:00 A.M. Eastern Time on the specific days as set forth by state in the following chart. BellSouth CNM-NVS will be unable to view these circuits while preventive maintenance is being performed. The Telephone Company only expects to utilize this maintenance window on the average of once a quarter. However, the Telephone Company reserves the right to perform maintenance at any time at its discretion that it believes such maintenance is necessary. The Telephone Company will make a reasonable effort to provide notice to those customers likely to be affected by such maintenance work.

<u>State</u>	<u>Scheduled Maintenance Days</u>
Alabama	Sunday and Monday
Florida	Sunday and Wednesday
Georgia	Sunday and Friday
Kentucky	Sunday and Monday
Louisiana	Sunday and Tuesday
Mississippi	Sunday and Tuesday
North Carolina	Sunday and Saturday
South Carolina	Sunday and Saturday
Tennessee	Sunday and Thursday

21.4.3 Minimum Period of Service

The minimum period of service is one month.

21.4.4 Rate Regulations

- A. Rates and charges are specified in 21.6.6 following for CNM-NVS. Unless specified otherwise, BellSouth CNM-NVS is available for use with the Fast Packet Savings Plan subject to the regulations provided in 2.4.8.(F) preceding.
- B. The rates and charges set forth for CNM-NVS provide for the furnishing of service where suitable facilities are available.

Note 1: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
21 - Fast Packet Access Services

21.4 BellSouth Customer Network Management - Network Visibility Service
(CNM-NVS) (Cont'd)⁽²⁾

(N)

21.4.5 Rate Categories

The following rate categories apply to BellSouth CNM-NVS:

- (A) Service Establishment Charge
The Service Establishment Charge is a nonrecurring charge which applies per customer account. This charge covers the initial establishment and set-up of the customer account in the CNM-NVS database. A username(s) and password(s) will be assigned for use by the customer in accessing their account. At the time the account is established, a customer may also choose to establish sub accounts.
- (B) Fault Management and On Demand Statistics¹
A monthly charge applies for each Network Interface/Connection in the customer's network with CNM-NVS capability. A nonrecurring charge is applicable per Network Interface/Connection at the time of installation.
- (C) Fault Management, On Demand Statistics and Performance Reports
A monthly charge applies for each Network Interface/Connection in the customer's network with CNM-NVS capability. A nonrecurring charge is applicable per Network Interface/Connection at the time of installation.
- (D) Subsequent Modification Charge
The Subsequent Modification Charge is a nonrecurring charge which applies per Network Interface/Connection when a CNM-NVS customer requests that existing CNM-NVS Network Interfaces/Connections or PVCs be modified. Examples of this charge include change of customer name and movement between packages. This charge is not applicable:
 - when a new PVC is added to an existing CNM-NVS Network Interface/Connection and CNM-NVS is requested for the new PVC, or
 - for a request to change a password.

Note 1: Effective November 15, 2006, this option will not be available for new customer orders.

Note 2: See Page 21-1 for service availability information.

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

21 - Fast Packet Access Services

21.4 BellSouth Customer Network Management - Network Visibility Service
(CNM-NVS)⁽¹⁾

(N)

21.4.5 Rate Categories (Cont'd)

(E) Management Access Interface

All customers must have a Management Access Interface. This connection allows the customer to monitor their network. A monthly charge applies for each Web Interface and each Remote Message Interface; a nonrecurring charge is applicable per Web Interface and per Remote_Message Interface at the time of installation. A Security Card described below is required for web access. See section 7.5.18 preceding for the rates and charges for a Management Access Interface using a dial or dedicated access option.

Effective May 16, 2008, a Security Card will not be required for web access to the Management Access Interface and will not be available for new customer orders. Customers with an existing Security Card may continue using the card, but new orders will not be accepted. Security for Web Access users will be provided using a customer user identification code and password.

- Security Card – The Security Card charge is a nonrecurring charge applicable for the issuance of the initial card or for the issuance of additional cards for additional users or to replace a lost, damaged or expired card.

Note 1: See Page 21-1 for service availability information.

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
 21 - Fast Packet Access Services

21.4 BellSouth Customer Network Management - Network Visibility Service
(CNM-NVS) (Cont'd)⁽²⁾

(N)

21.4.6 Rates and Charges

(A) Service Establishment Charge

		Nonrecurring <u>Charge</u>	<u>USOC</u>
(1) Per Customer		\$250.00	NVSSE

(B) Fault Management and On Demand Statistics⁽¹⁾
 Per Network Interface or Connection

(1) XAFRS or MSFRS

	Nonrecurring <u>Charge</u>	Monthly <u>Rate</u>	<u>USOC</u>
(a) Per DSO	\$75.00	\$ 0.00	NVSFO

(C) Fault Management, On Demand Statistics and Performance Reports
 Per Network Interface or Connection

(1) XAFRS or MSFRS

(a) Per DSO	\$75.00	\$ 0.00	NVSRO
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Note 1: Effective November 15, 2006, this option will not be available for new customer orders. (T)
 Note 2: See Page 21-1 for service availability information. (N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE
 21 - Fast Packet Access Services

21.4 BellSouth Customer Network Management - Network Visibility Service
(CNM-NVS) (Cont'd)⁽²⁾

(N)

21.4.6 Rates and Charges (Cont'd)

(D) Subsequent Modification Charge

(1) Per Network Interface or Customer Connection

(a) Each	<u>Nonrecurring Charge</u> \$70.00	<u>USOC</u> NVSSM
----------	---	----------------------

(E) Management Access Interface¹

(1) Web Interface

(a) Each	<u>Nonrecurring Charge</u> \$125.00	<u>Monthly Rate</u> \$25.00	<u>USOC</u> NVSW1
----------	--	------------------------------------	----------------------

(2) Remote Message Interface

(a) Each	\$125.00	\$25.00	NVSRM
----------	----------	---------	-------

(F) Security Card

(1) Per Card

(a) Each	<u>Nonrecurring Charge</u> \$100.00	<u>USOC</u> NVSSC
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Note 1: See section 7.5.18(A) for a dial or dedicated access option.
 Note 2: See Page 21-1 for service availability information.

(N)

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ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

ACCESS SERVICE

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

23.4 Application of Rates and Charges

- B. Figure 2 illustrates services provided totally from an MSA located in a Limited Service Relief Area. The rates and charges for all associated Special Access Service and Fast Packet Access Services⁽²⁾ rate elements, except local channels (channel terminations) between a LEC end office and a Customer (end user) premises, are obtained from Section 23.5 of this Tariff. ⁽¹⁾ All associated Switched Access rate elements are referenced back to comparable services in Sections 6.8.1.A, 6.8.1.B.1, 6.8.1.C.2, 6.8.1.C.3, 6.8.1.E, 6.8.1.G.5, 6.8.1.G.6, 6.8.1.H through 6.8.1.M, and 6.8.5 through 6.8.10 of this Tariff. (N)

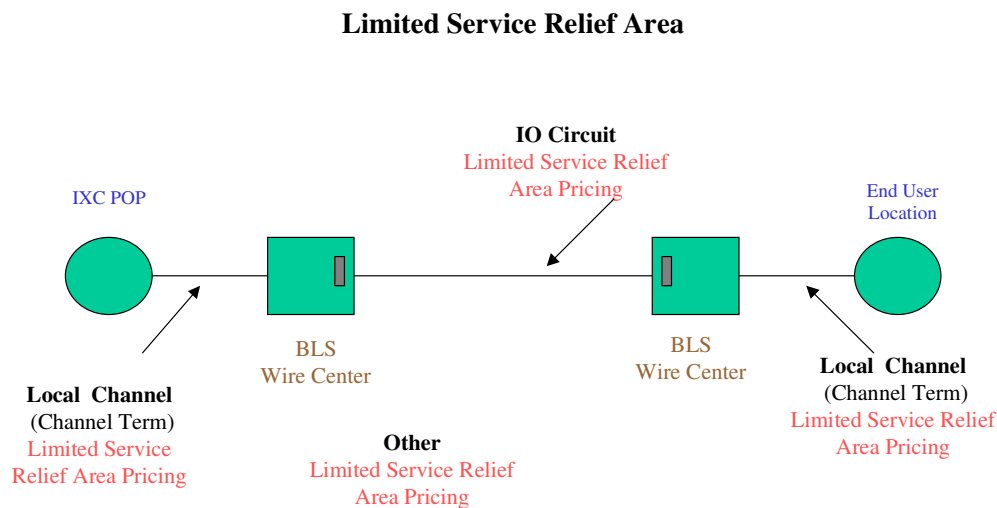


Figure 2

⁽¹⁾ Material in this Section has been de-tariffed pursuant to FCC Order No. 17-43, released April 28, 2017. Terms and Conditions for de-tariffed services are available at www.att.com/guidebook.

⁽²⁾ Effective December 31, 2014, Exchange Access Frame Relay Service (a.k.a. BellSouth Exchange Access Frame Relay Service), BellSouth Exchange Access Asynchronous Transfer Mode Service, BellSouth Managed Shared Frame Relay Service, and BellSouth Managed Shared Asynchronous Transfer Mode Service

(N)
 |
 (N)

(This page filed under Transmittal No. 172)

BELLSOUTH TELECOMMUNICATIONS
Four AT&T Plaza, Dallas, Texas 75202

TARIFF F.C.C. NO. 1
4TH REVISED PAGE 23-7
CANCELS 3RD REVISED PAGE 23-7

ISSUED: DECEMBER 16, 2022

EFFECTIVE: JANUARY 1, 2023

have been discontinued and are no longer available in this publication (see WC Dkt. 11-120).

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