

ACCESS SERVICE CHECK SHEET

Title Pages 1 and 2 and Pages 1 to 25-126 inclusive of this tariff are effective as of the date shown. Original and revised pages as named below and Supplement Nos. 13, 14, 15, 16, 17, 19, 20, 28, 29, and 31 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 1	2nd	27	9th*	2-14	Original
Title 2	7th	28	13th*	2-15	3rd
		29	15th*	2-15.1	3rd
1	601st*	30	2nd	2-15.2	4th
1.1	29th*	31	6th	2-16	5th
1.2	14th*	32	4th*	2-16.1	5th
2	184th*	33	7th	2-17	5th
3	20th*	34	4th	2-18	4th
4	24th*	35	10th	2-19	5th
5	61st*	36	5th	2-20	5th
6	63rd*	37	15th	2-21	5th
7	87th*	37.1	32nd	2-22	4th
8	59th*	37.1.1	26th	2-22.1	4th
8.1	35th*	37.1.2	6th	2-23	3rd
9	94th*	37.2	7th	2-23.1	1st
9.1	36th*	37.3	1st*	2-23.2	1st
9.2	5th	38	3rd	2-24	1st
10	48th*	39	9th*	2-25	2nd
11	34th*	40	12th*	2-26	6th
11.1	1st	41	11th*	2-26.1	2nd
12	12th	42	7th*	2-26.2	2nd
12.1	12th*	43	11th*	2-26.3	2nd
13	46th*	43.1	Original	2-27	4th
13.1	1st	44	4th*	2-27.1	3rd
14	57th	45	2nd	2-28	3rd*
14.1	20th	45.1	1st	2-29	4th
15	49th	45.2	1st	2-29.1	1st
16	37th	46	13th*	2-30	4th
16.1	38th	46.1	1st	2-31	4th
16.2	27th	47	6th*	2-32	3rd*
16.2.1	12th	47.1	3rd	2-33	1st
16.2.2	6th	47.2	2nd	2-34	3rd
16.2.3	10th			2-34.1	1st
16.2.4	8th	1-1	7th*	2-35	1st
16.2.5	7th	1-2	Original*	2-36	1st
16.3	23rd			2-37	4th
16.4	34th*	2-1	1st*	2-38	2nd
16.5	6th*	2-2	Original	2-39	3rd
17	1st	2-3	1st	2-40	1st
18	9th	2-4	Original	2-40.1	3rd
19	3rd	2-5	1st	2-40.2	5th
19.1	1st	2-6	Original	2-41	1st
20	2nd	2-7	4th*	2-42	1st
21	5th	2-8	3rd	2-43	1st
22	10th	2-9	5th*	2-44	1st
22.1	3 rd *	2-9.1	Original	2-45	2nd
23	1st	2-10	3rd*	2-46	3rd
24	1st	2-11	3rd	2-47	2nd
25	1st	2-11.1	Original	2-48	2nd*
26	5th	2-12	2nd	2-49	1st
		2-13	2nd		

* New or Revised Pages

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Issued: December 2, 2019

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE CHECK SHEET (Cont'd)

<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>
2-50	2nd*	2-81	2nd	2-83.40	2nd*
2-51	2nd*	2-81.1	Original	2-83.41	3rd*
2-52	1st	2-82	1st	2-83.42	2nd*
2-53	1st	2-83	2nd	2-83.43	2nd*
2-54	3rd	2-83.1	2nd*	2-83.44	2nd*
2-55	2nd	2-83.2	3rd*	2-83.45	2nd*
2-55.1	5th	2-83.3	2nd*	2-83.46	2nd*
2-55.1.1	1st	2-83.4	2nd*	2-83.47	2nd*
2-55.2	5th	2-83.5	3rd*	2-83.48	2nd*
2-55.3	2nd	2-83.6	7th*	2-83.49	2nd*
2-55.4	5th	2-83.7	2nd*	2-83.50	2nd*
2-55.5	5th	2-83.8	1st*		
2-55.6	5th	2-83.9	1st*		
2-55.7	6th	2-83.10	1st*		
2-55.8	5th	2-83.11	1st*		
2-55.9	7th*	2-83.12	Original		
2-56	2nd	2-83.13	2nd		
2-57	3rd	2-83.14	5th		
2-58	Original	2-83.15	Original		
2-59	Original	2-83.16	Original		
2-60	Original	2-83.17	Original		
2-61	1st	2-83.18	3rd		
2-62	2nd	2-83.19	4th*		
2-63	1st	2-83.20	4th*		
2-64	1st	2-83.21	4th*		
2-65	4th	2-83.22	4th*		
2-66	2nd	2-83.23	4th*		
2-67	Original	2-83.24	4th*		
2-68	1st	2-83.25	4th*		
2-69	2nd*	2-83.26	4th*		
2-70	2nd	2-83.27	4th*		
2-71	Original	2-83.28	4th*		
2-72	3rd	2-83.29	2nd*		
2-72.1	5th*	2-83.30	2nd*		
2-73	2nd	2-83.31	2nd*		
2-73.1	Original	2-83.32	2nd*		
2-74	1st	2-83.33	2nd*		
2-75	11th	2-83.34	2nd*		
2-75.1	Original	2-83.35	2nd*		
2-76	Original	2-83.36	2nd*		
2-77	2nd	2-83.37	2nd*		
2-78	2nd	2-83.38	2nd*		
2-78.1	Original	2-83.39	2nd*		
2-79	Original				
2-80	Original				

*New or Revised Pages

(Issued under Transmittal No. 1400)

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE CHECK SHEET (Cont'd)

<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>
2-84	7th	2-117	3rd		
2-85	3rd	2-118	1st*		
2-86	3rd	2-119	3rd		
2-87	3rd	2-120	1st		
2-88	3rd	2-121	1st		
2-89	3rd	2-122	2nd*		
2-90	3rd	2-123	1st		
2-91	3rd	2-124	3rd		
2-92	3rd	2-125	Original		
2-93	3rd	2-126	Original		
2-94	3rd	2-127	1st		
2-95	3rd	2-128	1st		
2-96	3rd	2-129	Original		
2-97	5th	2-130	1st		
2-98	4th	2-131	1st*		
2-99	4th	2-132	2nd*		
2-100	4th	2-133	1st		
2-101	4th	2-134	Original		
2-102	4th	2-135	Original		
2-103	4th	2-136	1st*		
2-104	4th	2-137	1st*		
2-105	4th	2-138	Original		
2-106	4th	2-139	Original*		
2-107	2nd				
2-108	1st				
2-109	2nd				
2-110	1st				
2-111	1st				
2-112	1st				
2-113	1st				
2-114	1st				
2-115	1st				
2-116	1st				
2-116.1	3rd				
2-116.2	3rd				
2-116.3	3rd				
2-116.4	3rd				
2-116.5	3rd				
2-116.6	3rd				
2-116.7	3rd				
2-116.8	3rd				
2-116.9	3rd				
2-116.10	3rd				
2-116.11	3rd				

*New or Revised Pages

(Issued under Transmittal No. 1400)

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE CHECK SHEET (Cont'd)

<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>
		4-17	85th		
3-1	1st	4-17.1	11th	5-6	Original
3-2	1st	4-18	16th	5-7	4th
3-3	Original	4-19	7th	5-8	5th*
3-4	1st	4-20	16th	5-9	1st
3-5	Original	4-20.1	3rd	5-10	Original
3-6	Original	4-21	8th	5-11	1st
3-7	Original	4-22	7th	5-12	4th*
3-8	Original	4-23	16th	5-12.1	3rd
3-9	Original	4-23.1	3rd	5-13	Original
3-10	Original	4-24	8th	5-14	Original
3-11	Original	4-25	7th	5-15	1st*
3-12	1st	4-26	16th	5-16	1st*
3-13	Original	4-26.1	3rd	5-17	2nd*
3-14	1st	4-27	8th	5-18	3rd*
3-15	1st	4-28	7th	5-18.1	Original
3-16	1st	4-29	16th	5-18.2	Original
3-17	1st	4-29.1	3rd	5-19	3rd*
3-18	1st	4-30	8th	5-20	2nd*
3-19	1st	4-31	7th	5-21	2nd*
3-20	1st	4-32	16th	5-22	Original
3-21	1st	4-32.1	3rd	5-23	4th*
		4-33	1st	5-24	1st
4-1	2nd	4-33.1	1st	5-25	Original
4-2	2nd	4-34	Original	5-26	Original
4-3	3rd	4-35	1st	5-27	4th*
4-4	1st	4-36	1st	5-28	5th*
4-5	1st	4-37	2nd	5-28.1	Original
4-6	1st	4-38	1st	5-29	4th*
4-7	3rd	4-39	Original	5-30	14th*
4-8	2nd	4-40	1st	5-30.1	8th*
4-9	2nd	4-40.1	Original	5-30.1.1	Original
4-10	6th	4-41	Original	5-30.1.2	4th*
4-11	8th	4-42	Original	5-30.2	2nd
4-12	38th	4-43	3rd	5-30.3	1st
4-13	38th	4-44	Original	5-31	3rd*
4-14	16th			5-32	5th*
4-14.1	68th	5-1	1st*	5-32.1	1st
4-15	75th	5-2	Original	5-33	4th*
4-16	74th	5-3	Original	5-34	6th
		5-4	3rd*		
		5-5	1st		

* New or Revised Pages

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ACCESS SERVICE CHECK SHEET (Cont'd)

<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	1st	6-46	2nd	6-91	Original
6-2	1st	6-47	Original	6-92	Original
6-3	3rd	6-48	Original	6-93	1st
6-4	3rd	6-49	1st	6-94	1st`
6-5	2nd	6-49.1	Original	6-95	1st
6-6	1st	6-50	2nd	6-96	1st
6-7	1st	6-51	1st	6-97	1st
6-8	Original	6-52	1st	6-98	1st
6-9	Original	6-53	1st	6-99	Original
6-10	1st	6-54	1st	6-100	Original
6-11	1st*	6-55	1st	6-101	Original
6-12	Original	6-56	1st	6-102	Original
6-13	Original	6-57	Original	6-103	1st
6-14	2nd	6-58	1st	6-104	1st
6-15	1st	6-59	Original	6-105	2nd
6-16	1st	6-60	Original	6-106	Original
6-17	Original	6-61	Original	6-107	Original
6-18	Original	6-62	1st	6-108	Original
6-19	Original	6-63	1st	6-109	Original
6-20	Original	6-64	1st	6-110	Original
6-21	1st	6-65	Original	6-111	1st
6-22	1st	6-66	Original	6-112	Original
6-23	1st	6-67	Original	6-113	Original
6-24	Original	6-68	1st	6-114	Original
6-25	Original	6-69	1st	6-115	Original
6-26	1st	6-70	Original	6-116	1st
6-27	1st	6-71	1st	6-117	Original
6-28	Original	6-72	2nd	6-118	Original
6-29	1st	6-73	Original	6-119	2nd
6-30	3rd	6-74	Original		
6-31	3rd	6-75	1st		
6-32	1st	6-76	8th*		
6-33	2nd	6-77	Original		
6-33.1	1st	6-78	2nd*		
6-34	Original	6-79	3rd		
6-35	Original	6-80	Original		
6-36	1st	6-81	2nd		
6-37	1st	6-81.1	Original		
6-38	1st	6-82	1st		
6-39	1st	6-83	2nd		
6-40	Original	6-84	1st		
6-41	Original	6-85	1st		
6-42	Original	6-86	1st		
6-43	1st	6-87	2nd		
6-44	1st	6-88	1st		
6-45	Original	6-89	Original		
		6-90	1st		

* New or Revised Pages

(Issued under Transmittal No. 1400)

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE CHECK SHEET (Cont'd)

<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>
6-120	Original	6-159	Original	6-195	1st
6-121	Original	6-160	3rd	6-196	1st
6-122	Original	6-161	Original	6-197	Original
6-123	Original	6-162	Original	6-198	1st
6-124	Original	6-163	Original	6-199	1st
6-125	1st	6-164	3rd	6-200	2nd*
6-126	1st	6-165	Original	6-201	Original
6-127	1st	6-166	Original	6-202	Original
6-128	1st	6-167	2nd	6-203	Original
6-129	1st	6-168	1st	6-204	3rd
6-130	1st	6-169	2nd	6-204.1	6th*
6-131	1st	6-170	Original	6-205	3rd
6-132	1st	6-171	Original	6-206	1st
6-133	4th	6-172	Original	6-207	1st
6-134	3rd	6-173	Original	6-208	Original
6-135	3rd	6-174	1st	6-209	1st
6-136	Original	6-175	Original	6-210	1st
6-137	Original	6-176	Original	6-211	1st
6-138	Original	6-177	2nd	6-212	Original
6-138.1	1st	6-178	Original	6-213	1st
6-138.2	Original	6-179	Original	6-214	1st
6-138.3	1st	6-180	1st	6-215	1st
6-138.4	4th	6-181	Original	6-216	1st
6-139	Original	6-182	Original	6-217	1st
6-140	Original	6-183	1st	6-218	Original
6-141	Original	6-184	1st	6-219	Original
6-142	Original	6-184.1	Original	6-220	1st
6-143	Original	6-185	2nd*	6-221	1st
6-144	1st	6-186	1st	6-222	2nd
6-145	1st	6-187	1st	6-223	Original
6-146	2nd	6-188	Original	6-224	Original
6-147	Original	6-189	Original	6-225	2nd*
6-148	1st	6-190	Original		
6-149	1st	6-191	1st		
6-150	Original	6-192	1st		
6-151	Original	6-193	3rd		
6-152	1st	6-194	1st		
6-153	Original				
6-154	Original				
6-155	Original				
6-156	4th				
6-157	3rd				
6-157.1	1st				
6-157.2	1st				
6-157.3	1st				
6-157.4	1st				
6-158	3rd				

* New or Revised Page

(Issued under Transmittal No. 1400)

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Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE CHECK SHEET (Cont'd)

Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated
6-226	Original	6-271	2nd*	6-300.13	2nd
6-227	1st	6-272	2nd*	6-301	2nd
6-228	1st	6-273	2nd*	6-301.1	1st
6-229	1st	6-274	3rd*	6-302	2nd
6-230	Original	6-275	2nd*	6-303	5th
6-231	2nd*	6-276	2nd*	6-304	2nd
6-232	Original	6-277	2nd*	6-305	3rd
6-233	Original	6-278	2nd*	6-306	8th
6-234	Original	6-279	2nd*	6-306.1	2nd
6-235	Original	6-280	3rd*	6-307	8th
6-236	Original	6-281	1st*	6-308	3rd
6-237	2nd	6-282	2nd*	6-309	3rd
6-237.1	Original	6-283	1st*	6-310	3rd
6-238	1st	6-284	1st*	6-311	3rd
6-239	2nd*	6-285	1st*	6-312	2nd
6-240	1st	6-286	1st*	6-312.1	1st
6-241	4th	6-287	1st*	6-312.2	1st
6-242	2nd	6-288	Original	6-312.3	2nd
6-243	2nd	6-289	Original	6-312.4	1st
6-244	1st	6-290	1st	6-312.5	1st
6-245	2nd	6-290.1	Original	6-312.6	1st
6-246	2nd	6-291	1st	6-312.7	1st
6-247	2nd	6-292	1st	6-312.8	2nd
6-248	2nd	6-293	2nd*	6-312.9	1st
6-249	2nd	6-294	1st	6-312.10	1st
6-250	1st	6-295	2nd*	6-312.11	1st
6-251	2nd	6-296	2nd	6-312.12	1st
6-252	1st	6-297	3rd	6-312.13	2nd
6-253	4th*	6-298	1st	6-313	9th
6-254	1st	6-299	1st	6-314	4th
6-255	4th*	6-299.1	Original		
6-256	1st	6-300	1st		
6-257	6th	6-300.1	2nd		
6-257.1	4th	6-300.2	4th		
6-258	6th	6-300.3	3rd		
6-258.1	1st	6-300.3.1	1st		
6-259	4th	6-300.4	2nd		
6-260	2nd	6-300.5	2nd		
6-261	1st	6-300.6	3rd		
6-262	6th	6-300.7	2nd		
6-262.1	2nd	6-300.8	3rd		
6-262.2	2nd	6-300.9	3rd		
6-262.3	2nd	6-300.9.1	1st		
6-263	4th	6-300.9.2	1st		
6-263.1	1st	6-300.9.3	2nd		
6-263.2	2nd	6-300.10	4th		
6-264	2nd	6-300.11	3rd		
6-265	1st	6-300.12	2nd		
6-266	2nd				
6-267	1st				
6-268	2nd*				
6-269	2nd*				
6-270	2nd*				

* New or Revised Page

(Issued under Transmittal No. 1400)

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1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE CHECK SHEET (Cont'd)

<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>
6-315	3rd	6-351	2nd	6-371	Original
6-316	3rd	6-352	2nd	6-372	Original
6-317	3rd	6-353	2nd	6-373	Original
6-317.1	2nd	6-354	2nd	6-374	2nd
6-317.2	2nd	6-355	2nd	6-375	Original
6-317.3	2nd	6-356	2nd	6-376	1st
6-318	3rd	6-357	5th	6-377	Original
6-319	3rd	6-358	6th	6-378	Original
6-320	3rd	6-358.1	2nd	6-379	Original
6-320.1	2nd	6-358.2	1st	6-380	1st
6-320.2	2nd	6-359	1st	6-381	1st
6-320.3	2nd	6-360	1st	6-382	Original
6-321	3rd	6-361	2nd*	6-383	12th
6-322	1st	6-362	1st*	6-384	4th
6-323	1st	6-363	1st*	6-385	4th
6-324	1st	6-363.1	3rd	6-385.1	2nd
6-324.1	Original	6-363.1.1	2nd	6-385.2	2nd
6-324.2	Original	6-363.1.2	2nd	6-385.3	2nd
6-324.3	Original	6-363.1.3	1st	6-385.4	2nd
6-325	1st	6-363.1.4	1st	6-385.5	2nd
6-326	1st	6-363.2	3rd	6-385.6	2nd
6-327	1st	6-363.2.1	1st	6-385.7	2nd
6-327.1	Original	6-363.2.2	1st	6-386	5th
6-327.2	Original	6-363.3	3rd	6-387	6th
6-327.3	Original	6-363.4	4th	6-387.1	21th
6-328	3rd	6-364	14th	6-388	24th
6-329	18th	6-365	9th	6-389	21st
6-330	23rd	6-366	Original	6-390	Original
6-330.1	7th	6-367	1st	6-391	1st
6-331	9th	6-368	1st		
6-331.1	9th	6-369	1st		
6-332	Original	6-370	1st		
6-333	1st				
6-334	11th				
6-335	Original				
6-336	8th				
6-337	Original				
6-338	4th				
6-339	5th				
6-340	5th				
6-341	22nd				
6-342	23rd				
6-343	4th				
6-344	4th				
6-345	5th				
6-346	5th				
6-347	2nd				
6-348	2nd				
6-349	2nd				
6-350	2nd				

* New or Revised Page

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE CHECK SHEET (Cont'd)

<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>
7-1	7th*	7-43	2nd*	7-83	1st*
7-2	3rd*	7-43.1	1st*	7-84	1st*
7-3	6th*	7-44	2nd*	7-85	3rd
7-4	9th*	7-45	2nd*	7-85.1	1st
7-5	4th*	7-46	4th*	7-86	4th
7-6	1st*	7-46.1	2nd*	7-87	3rd
7-7	3rd*	7-47	3rd*	7-88	3rd
7-8	1st*	7-48	2nd*	7-89	5th
7-9	1st*	7-49	2nd*	7-90	8th
7-10	1st*	7-50	3rd*	7-90.1	2nd
7-11	1st*	7-51	1st*	7-90.2	3rd
7-12	3rd*	7-52	1st*	7-91	8th
7-13	Original	7-52.1	2nd*	7-92	3rd
7-14	3rd*	7-52.2	2nd*	7-93	3rd
7-15	1st*	7-53	1st	7-94	3rd
7-16	9th*	7-54	1st	7-95	3rd
7-16.1	1st*	7-55	1st	7-96	3rd
7-17	2nd	7-56	1st	7-96.1	1st
7-17.1	1st	7-57	1st	7-97	5th*
7-18	3rd	7-58	8th*	7-98	4th
7-19	5th*	7-58.1	4th*	7-99	3rd
7-19.1	4th*	7-58.2	3rd*	7-99.1	Original
7-19.2	3rd*	7-58.3	1st*	7-100	5th
7-19.3	Original	7-59	2nd	7-101	3rd
7-20	4th*	7-60	4th*	7-101.1	1st
7-21	3rd	7-60.1	4th	7-101.2	1st
7-22	1st	7-60.1.1	1st	7-101.3	2nd
7-23	1st	7-60.2	2nd	7-102	9th
7-24	2nd	7-60.3	3rd	7-102.1	7th
7-25	2nd	7-60.4	2nd	7-102.2	1st
7-26	2nd	7-61	5th*	7-102.3	1st
7-27	3rd*	7-62	4th*	7-102.4	2nd
7-28	2nd	7-63	2nd*	7-102.5	2nd
7-29	5th*	7-64	3rd*	7-103	6th
7-29.1	4th*	7-65	2nd*	7-103.1	3rd
7-29.2	3rd*	7-66	Original	7-103.2	2nd
7-29.3	Original	7-67	1st	7-103.3	1st
7-30	2nd	7-68	2nd	7-104	4th
7-31	1st	7-69	Original	7-104.1	1st
7-32	2nd*	7-70	1st*	7-105	2nd
7-33	4th*	7-70.1	2nd	7-105.1	1st
7-34	2nd	7-70.2	3rd*	7-106	6th
7-34.1	1st	7-71	Original	7-106.1	8th
7-35	2nd	7-72	4th	7-107	9th
7-36	3rd*	7-72.1	1st	7-107.1	6th
7-37	1st*	7-73	3rd	7-107.1.1	2nd
7-38	2nd*	7-74	3rd	7-107.1.2	2nd
7-39	3rd*	7-75	10th	7-107.1.3	2nd
7-40	3rd*	7-75.1	1st	7-107.1.4	2nd
7-41	3rd*	7-76	3rd	7-107.2	1st
7-41.1	2nd*	7-77	1st*	7-107.3	2nd
7-41.2	1st*	7-78	1st*	7-108	2nd
7-41.3	1st*	7-79	2nd*	7-109	1st
7-41.4	1st*	7-80	1st*	7-110	3rd
7-42	3rd*	7-81	1st*	7-111	1st
		7-82	1st*	7-111.1	4th

* New or Revised Pages

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

ACCESS SERVICE CHECK SHEET (Cont'd)

Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated
7-111.2	4th	7-128.10	3rd	7-138.9	1st
7-111.3	2nd	7-128.10.1	1st	7-138.10	1st
7-111.4	2nd	7-128.11	5th	7-138.11	2nd
7-111.5	3rd	7-128.12	4th	7-138.12	2nd
7-111.6	2nd	7-128.12.1	3rd	7-138.12.1	1st
7-111.7	4th	7-128.12.2	1st	7-138.13	2nd
7-111.8	1st	7-128.12.3	1st	7-138.14	2nd
7-111.9	1st	7-128.12.4	2nd	7-138.14.1	1st
7-111.10	1st	7-128.13	6th	7-138.15	1st
7-112	1st*	7-128.14	5th	7-138.16	1st
7-113	3rd*	7-128.14.1	1st	7-138.17	2nd
7-114	1st*	7-128.15	2nd	7-138.17.1	1st
7-115	1st*	7-128.16	6th	7-138.17.2	1st
7-116	3rd*	7-128.16.1	3rd	7-138.18	2nd
7-117	2nd*	7-128.17	1st	7-138.18.1	1st
7-118	2nd*	7-128.18	1st	7-138.19	1st
7-119	2nd*	7-128.19	1st	7-138.20	1st
7-120	4th*	7-128.20	1st	7-138.21	1st
7-121	2nd*	7-128.21	1st	7-138.22	1st
7-122	3rd*	7-128.22	1st	7-139	2nd*
7-123	2nd*	7-128.23	1st	7-140	2nd
7-124	2nd*	7-128.24	1st	7-140.1	Original
7-125	2nd*	7-129	3rd	7-141	3rd*
7-126	2nd*	7-129.1	2nd	7-142	5th*
7-127	2nd*	7-130	2nd*	7-143	4th*
7-128	3rd*	7-131	6th	7-144	1st
7-128.1	3rd	7-131.1	1st	7-145	1st
7-128.1.1	1st	7-132	2nd*	7-146	1st
7-128.1.2	1st	7-133	2nd*	7-147	1st
7-128.1.3	1st	7-134	3rd*	7-148	1st
7-128.2	10th	7-135	8th*	7-149	Original
7-128.2.1	3rd	7-136	1st	7-150	Original
7-128.2.2	1st	7-137	1st	7-151	Original
7-128.2.3	1st	7-137.1	1st*	7-152	Original
7-128.3	2nd	7-138	3rd	7-153	Original
7-128.3.1	1st	7-138.1	5th	7-154	Original
7-128.4	3rd	7-138.1.1	4th	7-155	Original
7-128.4.1	1st	7-138.1.2	Original	7-156	Original
7-128.5	3rd	7-138.2	3rd	7-157	Original
7-128.5.1	2nd	7-138.3	7th	7-158	Original
7-128.6	3rd	7-138.3.1	3rd	7-159	Original
7-128.7	5th	7-138.3.2	Original	7-160	Original
7-128.7.1	3rd	7-138.4	4th	7-161	1st
7-128.7.2	1st	7-138.5	3rd	7-162	1st*
7-128.8	4th	7-138.5.1	1st	7-163	1st
7-128.8.1	1st	7-138.6	3rd	7-164	1st
7-128.9	5th	7-138.7	4th	7-165	1st*
7-128.9.1	Original	7-138.7.1	1st		
		7-138.8	2nd		

* New or Revised Pages

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE CHECK SHEET (Cont'd)

Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated
7-166	2nd*	7-191	3rd*	7-216	3rd*
7-166.1	3rd	7-192	2nd*	7-217	9th
7-166.2	9th	7-193	2nd	7-217.1	2nd
7-166.3	2nd*	7-194	2nd	7-218	1st
7-167	4th*	7-195	1st	7-219	1st
7-167.1	2nd*	7-196	1st	7-220	1st
7-168	3rd*	7-197	6th*	7-221	1st
7-169	1st*	7-198	2nd*	7-222	3rd*
7-170	1st*	7-199	2nd	7-223	3rd*
7-171	2nd*	7-200	8th*	7-224	3rd*
7-172	2nd*	7-200.1	1st	7-225	2nd
7-173	11th*	7-201	5th	7-226	3rd*
7-173.1	6th*	7-202	2nd	7-227	5th
7-174	3rd*	7-203	2nd*	7-227.1	1st
7-175	Original	7-204	Original	7-227.2	1st
7-176	2nd	7-205	Original	7-227.3	1st
7-177	3rd*	7-205.1	2nd*	7-227.4	1st
7-178	3rd*	7-206	4th*	7-227.5	1st
7-178.1	3rd*	7-207	4th*	7-227.6	1st
7-179	Original	7-208	3rd*	7-227.7	1st
7-180	Original	7-208.1	Original	7-227.8	1st
7-181	Original	7-209	4th*	7-227.9	1st
7-182	2nd	7-209.1	Original*	7-227.10	1st
7-183	Original	7-210	4th*	7-227.11	1st
7-184	9th*	7-211	3rd*	7-227.12	1st
7-184.1	3rd	7-212	2nd	7-227.13	1st
7-185	3rd	7-213	4th*	7-227.14	1st
7-186	2nd*	7-214	4th*	7-227.15	1st
7-187	5th*	7-215	4th*	7-227.16	1st
7-188	2nd*			7-227.17	1st
7-189	4th*			7-227.18	1st
7-190	3rd			7-227.19	1st
				7-227.20	1st
				7-227.21	1st
				7-227.22	1st
				7-227.23	1st
				7-227.24	1st
				7-227.25	1st
				7-227.26	1st
				7-227.27	1st
				7-227.28	1st
				7-227.29	1st

* New or Revised Pages

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE CHECK SHEET (Cont'd)

<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>
7-228	11th	7-247	4th	7-275.1	9th*
7-229	11th	7-247.1	2nd	7-275.2	9th*
7-229.1	9th	7-248	21st*	7-275.3	9th*
7-230	14th*	7-248.1	11th*	7-276	20th*
7-230.1	13th*	7-249	13th*	7-276.1	9th*
7-230.2	10th*	7-249.1	4th*	7-277	14th
7-231	11th	7-249.2	6th	7-277.1	9th*
7-232	11th*	7-250	20th*	7-277.2	9th*
7-232.1	11th*	7-251	7th*	7-277.3	9th*
7-233	9th*	7-252	7th*	7-278	21st*
7-234	11th*	7-253	7th*	7-278.1	10th*
7-235	12th*	7-253.1	7th*	7-279	21st*
7-236	10th	7-253.2	7th*	7-279.1	10th*
7-237	14th*	7-253.3	7th*	7-280	12th
7-237.1	11th*	7-254	7th*	7-281	6th
7-238	5th	7-255	7th*	7-282	4th
7-238.1	5th	7-256	7th*	7-282.1	5th
7-239	6th*	7-256.1	7th*	7-282.2	5th
7-239.1	5th*	7-256.2	7th*	7-282.3	5th
7-239.2	5th*	7-256.3	8th*	7-283	7th
7-240	4th*	7-257	7th	7-283.1	3rd
7-241	6th*	7-258	7th	7-284	8th
7-241.1	4th*	7-259	7th	7-284.1	7th
7-242	7th*	7-259.1	6th	7-285	7th
7-242.1	4th*	7-259.2	6th	7-285.1	6th
7-242.2	4th*	7-259.3	6th	7-286	9th
7-243	4th*	7-260	7th	7-286.1	4th
7-243.1	4th*	7-261	7th	7-287	7th
7-243.2	4th*	7-262	7th	7-287.1	6th
7-243.3	4th*	7-262.1	6th	7-287.1.1	2nd
7-243.4	1st	7-262.2	6th	7-287.1.2	2nd
7-243.5	1st*	7-262.3	6th	7-287.1.3	1st
7-243.6	1st*	7-263	7th	7-287.1.4	2nd
7-243.7	1st*	7-264	12th*	7-287.2	8th
7-244	5th	7-264.1	1st	7-287.2.1	4th
7-244.1	4th*	7-264.2	5th*	7-287.2.2	2nd
7-244.2	4th*	7-265	15th*	7-287.2.3	2nd
7-244.3	4th*	7-266	10th*	7-287.2.4	1st
7-245	4th	7-267	3rd*	7-287.2.5	4th
7-245.1	5th*	7-268	4th*	7-287.3	6th
7-245.2	5th*	7-269	2nd*	7-287.4	5th
7-245.3	5th*	7-269.1	2nd	7-287.4.1	3rd
7-245.4	3rd	7-270	8th	7-287.5	7th
7-245.5	2nd*	7-270.1	4th	7-287.5.1	5th
7-245.6	2nd*	7-271	3rd*	7-287.6	7th
7-245.7	2nd*	7-271.1	7th*	7-287.7	6th
7-245.8	4th*	7-272	13th*	7-287.8	6th
7-245.9	2nd*	7-273	13th	7-287.8.1	2nd
7-245.10	3rd*	7-273.1	9th*	7-287.9	2nd
7-246	1st	7-273.2	9th*	7-288	3rd*
		7-273.3	9th*	7-288.1	2nd*
		7-274	20th*	7-288.2	2nd*
		7-274.1	9th*	7-289	3rd*
		7-275	14th		

* New or Revised Pages

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE CHECK SHEET (Cont'd)

<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>
7-290	4th	7-303	7th	7-303.19.1	4th
7-290.1	5th	7-303.1	3rd	7-303.20	6th
7-290.2	5th	7-303.2	2nd	7-303.21	7th
7-290.3	5th	7-303.3	4th	7-303.21.1	3rd
7-291	3rd	7-303.3.1	1st	7-303.21.2	1st
7-291.1	4th	7-303.4	4th	7-303.21.3	1st
7-291.2	4th	7-303.4.1	1st	7-303.21.4	1st
7-291.3	4th	7-303.5	5th	7-303.21.5	1st
7-292	4th	7-303.5.1	1st	7-303.21.6	1st
7-292.1	5th	7-303.5.2	1st	7-303.21.7	1st
7-292.2	5th	7-303.6	3rd	7-303.21.8	1st
7-292.3	5th	7-303.6.1	2nd	7-303.21.9	1st
7-293	2nd	7-303.6.2	1st	7-303.22	6th
7-293.1	1st	7-303.7	7th	7-303.22.1	1st
7-293.2	1st	7-303.7.1	2nd	7-303.23	4th
7-293.3	1st	7-303.8	5th	7-303.24	3rd
7-294	3rd	7-303.9	6th	7-303.25	6th
7-294.1	2nd	7-303.9.1	4th	7-303.25.1	1st
7-294.2	2nd	7-303.10	6th	7-303.26	5th
7-294.3	2nd	7-303.11	6th		
7-295	3rd	7-303.11.1	3rd		
7-295.1	2nd	7-303.11.2	1st		
7-295.2	2nd	7-303.11.3	1st		
7-295.3	2nd	7-303.11.4	1st		
7-296	3rd	7-303.11.5	1st		
7-296.1	4th	7-303.11.6	1st		
7-296.2	4th	7-303.11.7	1st		
7-296.3	4th	7-303.11.8	1st		
7-297	2nd	7-303.11.9	1st		
7-297.1	1st	7-303.12	8th		
7-297.2	1st	7-303.12.1	1st		
7-297.3	1st	7-303.13	6th		
7-298	2nd	7-303.14	6th		
7-298.1	1st	7-303.14.1	4th		
7-298.2	1st	7-303.15	6th		
7-298.3	1st	7-303.16	7th		
7-299	7th	7-303.16.1	3rd		
7-299.1	2nd	7-303.16.2	1st		
7-299.2	2nd	7-303.16.3	1st		
7-299.3	2nd	7-303.16.4	1st		
7-300	5th	7-303.16.5	1st		
7-301	3rd	7-303.16.6	1st		
7-301.1	2nd*	7-303.16.7	1st		
7-301.2	2nd*	7-303.16.8	1st		
7-301.3	2nd*	7-303.16.9	1st		
7-302	4th*	7-303.17	8th		
7-302.1	3rd*	7-303.17.1	1st		
7-302.2	3rd*	7-303.18	6th		
7-302.3	2nd*	7-303.19	6th		

* New or Revised Pages

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
 1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE CHECK SHEET (Cont'd)

<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>
7-308	5th	8-10.1	5th	8-16.11	2nd
7-308.1	4th	8-11	7th	8-16.12	2nd
7-308.2	2nd	8-11.1	5th	8-16.13	2nd
7-308.3	4th	8-12	3rd	8-16.14	2nd
7-308.4	2nd	8-13	9th	8-16.15	2nd
7-308.5	3rd	8-13.1	11th	8-16.16	1st
7-308.6	2nd	8-13.2	7th	8-16.17	2nd
7-308.7	4th	8-13.3	2nd	8-16.18	2nd
7-309	5th	8-13.4	1st	8-16.19	3rd
7-309.1	4th	8-13.5	2nd	8-17	1st*
7-309.2	2nd	8-14	4th	8-18	10th*
7-309.3	4th	8-14.1	3rd	8-19	2nd*
7-309.4	2nd	8-14.2	6th	8-19.1	1st*
7-309.5	3rd	8-14.2.1	1st	8-20	1st*
7-309.6	2nd	8-14.3	4th	8-21	4th*
7-309.7	4th	8-14.4	3rd	8-21.1	3rd*
7-309.8	2nd	8-14.5	6th	8-21.2	2nd*
7-309.9	2nd	8-14.6	1st	8-21.3	2nd*
7-309.10	2nd	8-15	4th		
7-309.10.1	1st	8-15.1	3rd		
7-310	2nd	8-15.2	6th		
7-311	Original	8-15.3	1st		
		8-15.4	1st		
8-1	3rd	8-16	11th		
8-2	Original	8-16.1	11th		
8-3	Original	8-16.1.1	1st		
8-4	2nd	8-16.2	11th		
8-5	3rd	8-16.2.1	1st		
8-6	4th	8-16.3	2nd		
8-7	11th	8-16.3.1	1st		
8-7.1	4th	8-16.4	3rd		
8-8	4th	8-16.5	3rd		
8-9	3rd	8-16.6	5th		
8-9.1	3rd	8-16.7	3rd		
8-9.2	1st	8-16.8	3rd		
8-9.3	2nd	8-16.9	3rd		
8-10	15th	8-16.10	2nd		

* New or Revised Pages

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE CHECK SHEET (Cont'd)

<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>
9-1	Original	10-11	4th*	10-44	9th
9-2	Original	10-12	4th*	10-45	9th
9-3	1st	10-13	Original	10-46	9th
9-4	1st	10-14	Original	10-47	9th
9-5	1st	10-15	1st	10-48	9th
9-6	Original	10-16	1st	10-49	9th
9-7	Original	10-17	1st	10-50	9th
9-8	1st	10-18	1st	10-51	9th
9-9	1st	10-19	1st	10-52	9th
9-10	Original	10-20	1st	10-52.1	2nd
9-11	Original	10-21	2nd*	10-53	1st
9-12	Original	10-22	2nd*	10-53.1	Original
9-13	Original	10-22.1	1st*	10-54	1st
9-14	Original	10-23	Original	10-54.1	Original
9-15	Original	10-24	Original	10-55	1st
9-16	1st	10-25	Original	10-56	1st
9-17	1st	10-26	1st	10-57	1st
9-18	1st	10-26.1	Original	10-58	1st*
9-19	2nd	10-26.2	Original	10-59	1st
9-20	2nd	10-27	Original	10-60	2nd*
9-21	1st	10-28	2nd	10-61	1st
9-22	1st	10-28.1	1st	10-62	1st
9-23	1st	10-29	3rd	10-63	Original
9-24	1st	10-29.1	1st	10-64	1st
9-25	Original	10-30	Original	10-65	Original
		10-31	Original	10-66	1st
10-1	1st*	10-32	Original	10-67	1st
10-2	Original	10-33	Original	10-68	Original
10-3	1st*	10-34	1st	10-69	1st
10-4	1st	10-35	4th	10-70	Original
10-5	1st	10-35.1	2nd	10-71	Original
10-6	Original	10-36	2nd	10-72	Original
10-7	1st	10-36.1	2nd		
10-8	1st	10-37	3rd		
10-9	Original	10-38	4th		
10-10	1st	10-39	2nd		
		10-39.1	2nd		
		10-40	3rd		
		10-41	9th		
		10-42	9th		
		10-43	9th		

* New or Revised Page

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE CHECK SHEET (Cont'd)

<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>
13-1	1st*	13-45	1st		
13-2	4th*				
13-3	2nd*				
13-3.1	Original				
13-4	4th*				
13-5	8th*				
13-6	8th*				
13-7	2nd				
13-8	1st				
13-9	1st				
13-10	1st				
13-11	1st				
13-12	1st				
13-13	1st				
13-14	1st				
13-15	1st				
13-16	1st				
13-17	1st				
13-18	1st				
13-19	1st				
13-20	1st				
13-21	1st				
13-22	1st				
13-23	1st				
13-24	1st				
13-25	Original				
13-26	Original				
13-27	1st				
13-28	Original				
13-29	Original				
13-30	Original				
13-31	1st				
13-32	1st				
13-33	Original				
13-34	Original				
13-35	Original				
13-36	Original				
13-37	Original				
13-38	Original				
13-39	Original				
13-40	Original				
13-41	Original				
13-42	Original				
13-43	1st				
13-44	1st				

* New or Revised Pages

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE CHECK SHEET (Cont'd)

<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>
13-46	1st	13-89	Original	14-30	Original
13-47	1st	13-90	Original	14-31	Original
13-48	1st	13-91	Original	14-32	Original
13-49	4th*	13-92	Original	14-33	Original
13-50	4th*	13-93	1st	14-34	Original
13-51	4th*	13-94	1st	14-35	Original
13-52	4th*	13-95	Original	14-36	1st
13-53	4th*	13-96	1st	14-37	1st
13-54	4th*	13-97	1st	14-38	1st
13-55	1st	13-98	Original	14-39	1st
13-56	1st	13-99	Original	14-40	1st
13-57	1st	13-100	Original	14-41	1st
13-58	1st			14-42	1st
13-59	1st			14-43	1st
13-60	1st	14-1	4th	14-44	3rd*
13-61	1st	14-2	3rd	14-45	2nd*
13-62	1st	14-3	2nd	14-46	9th
13-63	1st	14-4	2nd	14-47	4th
13-64	1st	14-5	3rd	14-47.1	1st
13-65	1st	14-6	Original	14-48	1st
13-66	1st	14-7	1st	14-49	1st
13-67	1st	14-8	1st	14-50	1st
13-68	1st	14-9	1st	14-51	1st
13-69	1st	14-10	Original	14-52	1st
13-70	1st	14-11	Original	14-53	1st
13-71	3rd	14-12	Original	14-54	1st
13-72	2nd	14-13	1st	14-55	2nd
13-73	4th	14-14	Original	14-56	2nd
13-74	4th*	14-15	Original	14-57	2nd
13-75	1st	14-16	Original	14-58	2nd
13-76	1st	14-17	Original	14-59	2nd
13-77	1st	14-18	Original	14-60	4th
13-78	2nd	14-19	1st	14-61	th
13-79	2nd	14-20	1st	14-62	5th*
13-80	6th	14-21	2nd	14-63	8th*
13-81	Original	14-22	1st	14-64	Original
13-82	2nd	14-23	Original	14-65	Original
13-83	1st	14-24	Original	14-66	Original
13-84	1st	14-25	Original	14-67	Original
13-85	1st	14-26	Original	14-68	Original
13-86	Original	14-27	Original	14-69	Original
13-87	1st	14-28	Original	14-70	Original
13-88	2nd	14-29	Original	14-71	Original

* New or Revised Pages

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE CHECK SHEET (Cont'd)

<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>
24-1.1	Original	25-19	8th	25-56	4th*
24-2	2nd	25-20	4th	25-57	4th*
24-3	1st	25-21	4th	25-58	3rd
24-4	1st	25-22	3rd	25-59	1st
24-5	1st	25-23	3rd	25-60	3rd
24-6	1st	25-24	4th	25-60.1	2nd
24-7	4th	25-24.1	3rd	25-61	3rd
24-8	6th	25-24.2	1st	25-62	3rd
24-9	Original	25-25	6th	25-63	5th*
24-10	Original	25-25.1	4th	25-64	4th*
24-11	Original	25-25.2	4th	25-65	3rd*
24-12	3rd	25-25.3	4th	25-66	3rd*
		25-25.4	4th	25-67	2nd
25-1	6th*	25-25.5	5th	25-68	1st
25-1.1	2nd	25-26	5th	25-69	1st
25-2	4th*	25-27	1st	25-70	1st
25-3	3rd*	25-28	1st	25-71	1st
25-4	3rd	25-29	1st	25-72	1st
25-4.1	1st	25-29.1	1st	25-72.1	1st
25-4.2	Original	25-30	3rd*	25-72.2	1st
25-4.3	1st*	25-31	1st	25-72.3	1st
25-5	11th*	25-32	2nd*	25-73	6th*
25-5.1	2nd	25-33	1st*	25-74	2nd
25-5.2	1st	25-33.1	1st*	25-75	2nd
25-6	4th*	25-34	1st*	25-75.1	3rd
25-7	3rd	25-35	1st*	25-76	2nd
25-8	2nd	25-36	1st*	25-77	2nd
25-8.1	2nd	25-37	2nd*	25-77.1	2nd
25-9	2nd	25-38	3rd*	25-78	3rd*
25-9.1	2nd	25-38.1	1st*	25-79	2nd
25-9.2	1st	25-39	1st*	25-80	2nd
25-9.3	Original	25-40	3rd*	25-80.1	1st
25-9.4	Original	25-41	5th*	25-80.2	1st
25-9.5	2nd	25-42	6th*	25-81	3rd
25-9.6	Original	25-43	5th	25-82	2nd
25-9.7	Original	25-44	2nd	25-83	2nd*
25-9.8	Original	25-45	5th*	25-84	2nd*
25-9.9	Original	25-46	2nd	25-85	2nd*
25-9.10	1st	25-47	2nd	25-86	2nd*
25-9.11	1st	25-48	2nd	25-87	2nd*
25-10	3rd	25-48.1	1st	25-88	2nd
25-11	2nd	25-48.2	1st	25-89	2nd*
25-12	4th*	25-49	4th*		
25-13	3rd*	25-50	3rd		
25-14	3rd	25-51	3rd		
25-14.1	1st	25-52	5th*		
25-14.2	Original	25-53	6th*		
25-15	4th	25-54	4th*		
25-16	2nd	25-55	3rd		
25-17	1st				
25-18	1st				
25-18.1	Original				

* New or Revised Pages

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE CHECK SHEET (Cont'd)

<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>
25-90	2nd*				
25-91	2nd*				
25-92	2nd*				
25-93	1st				
25-94	1st				
25-95	1st				
25-96	1st				
25-97	1st				
25-98	2nd				
25-99	2nd				
25-100	2nd				
25-100.1	1st				
25-101	2nd				
25-102	2nd				
25-103	2nd				
25-104	1st				
25-105	1st				
25-106	2nd				
25-107	2nd				
25-108	2nd				
25-109	1st				
25-110	1st				
25-111	2nd				
25-112	1st				
25-113	1st				
25-114	3rd				
25-115	2nd				
25-116	1st				
25-117	2nd				
25-118	2nd				
25-119	2nd				
25-120	1st				
25-121	1st				
25-122	2nd				
25-123	3rd				
25-124	3rd				
25-125	2nd				
25-126	1st				

* New or Revised Pages

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
2. <u>GENERAL REGULATIONS</u> (Cont'd)	
2.8 <u>Sale or Transfer of a Verizon Operating Telephone Company's Assets and/or Stock to an Unaffiliated Third Party</u>	2-121
2.8.1 General	2-121
2.8.2 Undertaking of the Telephone Company Following a Transfer	2-121
2.9 Technology Migration	2-128
2.9.1 Service Under a DS1 High Capacity Service Term Pricing Plan	2-129
2.9.2 Service Under a DS3 High Capacity Service Term Pricing Plan	2-129
2.9.3 Reserved for Future Use	2-130
2.9.4 Service Under a Commitment Discount Plan	2-131
2.9.5 Service Under a National Discount Plan	2-132
2.9.6 Requirements For a Technology Migration	2-133
2.10 Customer Notices	2-139 (N)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
6. <u>SWITCHED ACCESS SERVICE</u> (Cont'd)	
6.9 <u>Rates and Charges</u>	6-313
6.9.1 Switched Transport	6-313
6.9.1.1 Term Pricing Plans	6-338
6.9.1.2 IntelliLight Entrance Facilities (IEF)	6-347
6.9.1.3 Reserved	6-357
6.9.1.4 Reserved	6-359 (C)
6.9.1.5 Reserved	6-361 (C)
6.9.1.6 Reserved	6-362 (C)
6.9.1.7 IntelliLight Optical Transport Service (IOTS)	6-363.1
6.9.2 End Office	6-364
6.9.3 Message Unit Credit	6-380
6.9.4 Equal Access Recovery Charge	6-381
6.9.5 Information Surcharge	6-381
6.9.6 Tandem Access Sectorization (TAS)	6-382
6.9.7 Switched 56 Kilobit Service	6-383
6.9.8 Reserved for Future Use	6-383
6.9.9 0+900 Access Service	6-383
6.9.10 Reserved for Future Use	6-384
6.9.11 Reserved	6-390
6.9.12 Common Switching and Transport Termination Optional Features and BSEs	6-391
7. <u>SPECIAL ACCESS SERVICE</u>	7-1
7.1 <u>General</u>	7-1
7.1.1 Channel Types	7-1
7.1.2 Rate Categories	7-4
7.1.3 Service Configurations	7-7
7.1.4 Alternate Use	7-11
7.1.5 Special Facilities Routing	7-11
7.1.6 Design Layout Report	7-11
7.1.7 Acceptance Testing	7-12
7.1.8 Ordering Options and Conditions	7-12
7.1.9 Special Access Surcharge	7-13
7.1.10 Connections With Other Network Services	7-13

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>	
7. <u>SPECIAL ACCESS SERVICE</u> (Cont'd)		
7.2 <u>Service Descriptions</u>	7-14	
7.2.1 Reserved for Future Use	7-17	
7.2.2 Reserved for Future Use	7-18	
7.2.3 Voice Grade Service	7-19	
7.2.3.1 WATS Access Line Service	7-29	
7.2.4 Reserved for Future Use	7-34	
7.2.5 Reserved for Future Use	7-36	(C)
7.2.6 Reserved for Future Use	7-53	
7.2.7 Reserved for Future Use	7-56	
7.2.8 Digital Data Service	7-58	
7.2.9 High Capacity Service	7-61	
7.2.10 Lightwave Facilities	7-71	
7.2.11 LAN Extension Service	7-72	
7.2.12 IntelliMux Service	7-77	
7.2.13 Reserved for Future Use	7-85	
7.2.14 IntelliLight Services	7-97	
7.2.15 IntelliLight Entrance Facilities	7-129	
7.2.16 Verizon Optical Networking	7-138.1	
7.3 <u>Channel Interface and Network Channel Codes</u>	7-139	
7.3.1 Glossary of Channel Interface Codes and Options	7-139	
7.3.2 Impedance	7-144	
7.3.3 Digital Hierarchy Channel Interface Codes (4 DSX-*)	7-145	
7.3.4 Service Designator/Network Channel Code Conversion Table	7-146	
7.3.5 Compatible Channel Interfaces	7-148	
7.4 <u>Rate Regulations</u>	7-167	
7.4.1 Types of Rates and Charges	7-167	
7.4.2 Surcharge for Special Access Service	7-179	
7.4.3 Message Station Equipment Recovery Charge	7-183	
7.4.4 Minimum Periods	7-184	
7.4.5 Moves	7-185	
7.4.6 Reserved for Future Use	7-186	(C)
7.4.7 Facility Hubs	7-187	
7.4.8 Shared Use Analog and Digital High Capacity Services	7-190	
7.4.9 Reserved for Future Use	7-191	
7.4.10 Special Access Rate Exceptions	7-192	
7.4.11 WATS Access Line Service	7-193	
7.4.12 Reserved for Future Use	7-193	
7.4.13 DS3 High Capacity Services	7-197	
7.4.14 Shared Network Arrangement	7-203	
7.4.15 Lightwave Facilities	7-204	
7.4.16 Reserved for Future Use	7-205.1	(C)
7.4.17 Digital Data and DS1 High Capacity Services	7-209	
7.4.18 Voice Grade Service Term Pricing Plans	7-222	
7.4.19 Commitment Discount Plans	7-222	

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>	
7. <u>SPECIAL ACCESS SERVICE</u> (Cont'd)		
7.5 <u>Rates and Charges</u>	7-228	
7.5.1 Reserved for Future Use	7-228	
7.5.2 Reserved for Future Use	7-229	
7.5.3 Voice Grade Service	7-230	
7.5.3.1 WATS Access Line Service	7-237	
7.5.4 Reserved for Future Use	7-238	
7.5.5 Reserved for Future Use	7-239	(C)
7.5.6 Reserved for Future Use	7-246	
7.5.7 Reserved for Future Use	7-247	
7.5.8 Digital Data Service	7-248	
7.5.9 High Capacity Service	7-250	
7.5.10 Lightwave Facilities	7-270.1	
7.5.11 Reserved for Future Use	7-270.1	
7.5.12 IntelliMux Service	7-271	
7.5.13 Message Station Equipment Recovery Charge	7-272	
7.5.14 Special Access Surcharge	7-272	
7.5.15 Reserved for Future Use	7-272	
7.5.16 Term Pricing Plans (DDS & DS1)	7-273	
7.5.17 Reserved for Future Use	7-280	
7.5.18 Reserved for Future Use	7-281	
7.5.19 Reserved	7-286	
7.5.20 Reserved for Future Use	7-288	(C)
7.5.21 IntelliLight Entrance Facilities	7-290	
7.5.22 Reserved for Future Use	7-301	(C)
7.5.23 LAN Extension Service	7-303	
7.5.24 IntelliLight Optical Transport Service	7-303.3	
7.5.25 Verizon Optical Networking	7-304	
7.6 <u>Individual Case Filings</u>	7-310	
8. <u>SONET Special Access Services</u>	8-1	
8.1 <u>General</u>	8-1	
8.2 IntelliLight Broadband Transport (IBT)	8-6	(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

	<u>Page No.</u>
12. <u>SPECIALIZED SERVICE OR ARRANGEMENTS</u>	12-1
12.1 <u>General</u>	12-1
12.2 <u>Move Charges</u>	12-1
12.3 <u>Rates and Charges</u>	12-3
13. <u>ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS SERVICES</u>	13-1
13.1 <u>Additional Engineering</u>	13-1
13.1.1 Charges for Additional Engineering	13-1
13.2 <u>Additional Labor</u>	13-3
13.2.1 Overtime Installation	13-3
13.2.2 Overtime Repair	13-3
13.2.3 Standby	13-3
13.2.4 Testing and Maintenance with Other Telephone Companies	13-3.1
13.2.5 Other Labor	13-3.1
13.2.6 Charges for Additional Labor	13-4
13.3 <u>Miscellaneous Services</u>	13-7
13.3.1 Reserved for Future Use	13-7
13.3.2 Reserved for Future Use	13-7
13.3.3 Standard Jacks - Registration Program	13-7
13.3.4 Testing Services	13-25
13.3.5 Protective Connecting Arrangements	13-55
13.3.6 Provision of Access Service Billing Information	13-71
13.3.7 Reserved for Future Use	13-74
13.3.8 Reserved for Future Use	13-75
13.3.9 Originating Line Screening (OLS) Information	13-78
13.3.10 International Blocking	13-78
13.3.11 Billing Name and Address for Automatic Number Identification for Listed and Non-Published/Non-Listed Customers	13-79
13.3.12 900 Blocking Service	13-81
13.3.13 InterLATA Operator Services	13-82
13.3.14 ISP Traffic Origination Service	13-86
13.3.15 Optional Features for Payphone Access lines	13-87
13.3.16 Service Provider Number Portability	13-89
13.3.17 Long Distance Trouble Management Services (LDTMS)	13-98

(C)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

25. Commitment Discount Plans (Cont'd)

25.2	Reserved for Future Use	25-32	(C) (D)
			(D)
25.3	<u>National Discount Plan</u>	25-40	
25.3.1	General	25-40	
25.3.2	Subscription	25-50	
25.3.3	Qualifying Services	25-52	
25.3.4	Commitment Levels and Discount Tiers	25-56	
25.3.5	Application of Discount	25-63	
25.3.6	Special Access DS3 Channel Mileage Rates	25-73	
25.3.7	Annual True-Up	25-74	
25.3.8	Minimum Period	25-103	
25.3.9	Changes to Basic Service and/or Base Rates	25-104	
25.3.10	Sale of a Telephone Company Operating Territory	25-104	
25.3.11	Addition of an ACNA(s) to an Existing NDP	25-106	
25.3.12	Removal of an ACNA(s) as a Result of a Customer Sale	25-117	
25.3.13	Termination Liability	25-121	
25.3.14	Renewal and Termination of NDP	25-122	

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
 1300 I Street, NW, Washington, D.C. 20005

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 Customer Name Abbreviation
- AML - Actual Measured Loss
- ANI - Automatic Number Identification
- ANSI - American National Standard Institute
- ARC - Access Recovery Charge
- AT&T-C - AT&T Communications

- BAN - Billing Account Number
- BD - Business Day
- BHMC - Busy Hour Minutes of Capacity
- BSA - Basic Serving Arrangement
- BSE - Basic Service Element
- BVS - Billing Validation Service
- CAROT - Centralized Automatic Reporting on Trunks
- CCS - Common Channel Signaling
- CCSAS - Common Channel Signaling Access Service
- CFA - Connecting Facility Assignment
- CEC - Cellular Exchange Carrier
- CI - Channel Interface
- CLO - Control Link Oscillator
- CN - Charge Number
- CO - Central Office
- COCTS - Central Office Centrex
- Cont'd - Continued
- CPE - Customer Provided Equipment
- CSM - Customer Service Management Optional Feature
- CPN - Calling Party Number
- CSP - Carrier Selection Parameter
- Cts - Centrex
- DA - Directory Assistance
- dB - decibel
- dBrnC - Decibel Reference Noise C-Message Weighting
- dBrnC0 - Decibel Reference Noise C-Message Weighted 0
- dBv - Decibel(s) Relative to 1 volt (Reference)
- dBv1 - Decibel(s) Relating to 1 volt (Reference)
- dc - direct current
- DID - Direct Inward Dialing
- DNAL - Dedicated Network Access Link
- DSR - Verizon Dedicated SONET Ring

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(Issued under Transmittal No. 1400)

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ACCESS SERVICE

EXPLANATION OF ABBREVIATIONS

EDD - Envelope Delay Distortion
 ELEPL - Equal Level Echo Path Loss
 EML - Expected Measured Loss
 EPL - Echo Path Loss
 ERL - Echo Return Loss
 ESCON - Enterprise Systems CONnection
 ESS - Electronic Switching System
 ESSX - Electronic Switching System Exchange
 f - frequency
 F.C.C. - Federal Communications Commission
 FICON - Fibre CONnection
 FID - Field Identifier
 FX - Foreign Exchange
 GigE - Gigabit Ethernet
 HC - High Capacity

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Hz - Hertz
 IC - Interstate Customer
 ICB - Individual Case Basis
 ICL - Inserted Connection Loss
 IOF - Inter-Office Facility
 IP - Interconnection Point
 kbps - kilobits per second
 kHz - kilohertz
 LAN - Local Area Network
 LATA - Local Access and Transport Area
 LCC - Line Cost Charge
 LES - LAN Extension Service
 LIDB - Line Information Data Base
 Ma - milliamperes
 Mbps - Megabits per second
 MHz - Megahertz
 MMUC - Minimum Monthly Usage Charge
 MRC - Monthly Recurring Charge
 MRCCs - Maritime Radio Common Carriers
 MSA - Metropolitan Statistical Area
 MTS - Message Telecommunications Service(s)
 MTSO - Mobile Telephone Switching Office
 NDP - National Discount Plan
 N-MSA - Non-qualifying MSA
 NPA - Numbering Plan Area
 NRC - Nonrecurring Charge
 NTS - Non-Traffic Sensitive
 NXX - Three Digit Central Office Code
 OBSC - Out of Band Signaling Connection

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OTPL - Zero Transmission Level Point

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EXPLANATION OF ABBREVIATIONS

PBX	-	Private Branch Exchange	
PCM	-	Pulse Code Modulation	
PI	-	Priority Installation	
PLR	-	Private Line Ringdown	
POT	-	Point of Termination	
PR	-	Priority Restoration	
RCCs	-	Radio Common Carriers	
rms	-	root-mean-square	
RPON	-	Related Purchase Order Number	
RSM	-	Remote Switching Modules	
RSS	-	Remote Switching Systems	
SASG	-	Special Access Service Guarantee	(D)
SLA	-	Service Level Agreement	(D)
SLC	-	Subscriber Line Charge	(D)
SPOI	-	Signaling Point of Interface	(D)
SRL	-	Singing Return Loss	
SS7	-	Signaling System 7	
SSN	-	Switched Service Network	
STP	-	Signal Transfer Point	
SWC	-	Serving Wire Center	
S56	-	Switched 56 Kilobit Service	
TAS	-	Tandem Access Sectorization	
TASA	-	Tandem Access Sectorization Area	
TES	-	Telephone Exchange Service(s)	
TLL	-	Transaction Language 1	
TLP	-	Transmission Level Point	
TSPS	-	Traffic Service Position System	
TSP	-	Telecommunications Service Priority	(D)
			(D)
UPS	-	Uninterrupted Power Supply	
USOC	-	Uniform Service Order Code	
VG	-	Voice Grade	
V & H	-	Vertical & Horizontal	
WATS	-	Wide Area Telecommunications Service(s)	
WCN	-	With Calling Name	
WOCN	-	Without Calling Name	

REFERENCE TO OTHER TARIFFS

Whenever reference is made in this tariff to other tariffs, the reference is to the tariffs in force as of the effective date of this tariff, and to amendments thereto and successive issues thereof.

The following tariff is referenced in this tariff and may be obtained from the National Exchange Carrier Association on the Internet at neca.org. (D)

National Exchange Carrier Association, Inc.
Tariff F.C.C. No. 4

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ACCESS SERVICE

REFERENCE TO OTHER PUBLICATIONS

The following technical publications are referenced in this tariff and may be obtained from Telcordia Technologies, One Telcordia Drive, RRC 1B-180, Piscataway, NJ 08854-4156, (866)672-6997 or on the Internet at www.telcordia.com.

Technical Reference:

FR-64-CORE, Issue 3	Issued: April 2008	
GR-20-CORE, Issue 3	Issued: May 2008	
GR-54-CORE, Issue 1	Issued: December 1995	
GR-63-CORE, Issue 5	Issued: December 2017	(C)(x)
GR-253-CORE, Issue 4	Issued: December 2005	
GR-334-CORE, Issue 1	Issued: July 1994	(D)
GR-342-CORE, Issue 1	Issued: December 1995	
GR-394-CORE, Issue 8	Issued: November 2007	
GR-436-CORE, Issue 1	Issued: June 1994	
GR-499-CORE, Issue 4	Issued: November 2009	(C)(x)
GR-905-CORE, Issue 11	Issued: December 2008	
GR-954-CORE, Issue 4	Issued: August 2005	
GR-1060-CORE, Issue 1	Issued: April 1994	
GR-1083-CORE, Issue 5	Issued: September 2004	
GR-1110-CORE, Issue 4	Issued: December 2000	
GR-1244-CORE, Issue 3	Issued: May 2005	
GR-1248-CORE, Issue 4	Issued: November 1998	

(x) GR-63-CORE, Issue 5 replaces GR-63-CORE, Issue 3 in its entirety and GR-499-CORE, Issue 4, replaces GR-499-CORE, Issue 3, in its entirety.

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Vice President, Federal Regulatory
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ACCESS SERVICE

REFERENCE TO OTHER PUBLICATIONS (Cont'd)

Technical Reference: (Cont'd)

GR-1312-CORE, Issue 3	Issued: April 1999	
GR-1374-CORE, Issue 1	Issued: December 1994	
GR-2918-CORE, Issue 6	Issued: January 2003	
GR-2936-CORE, Issue 1	Issued: December 1997	
GR-2979-CORE, Issue 5	Issued: March 2005	(D)
PUB 62310	Issued: September 1983	
SR-3330, Issue 2	Issued: April 1997	(D)
		(D)
SR-ST5-000320	Issued: August 1990	
SR-TAP-000191, Issue 2	Issued: December 1998	
ST-TEC-000053, Issue 1	Issued: August 1989	
Telecommunications Transmission Engineering Volume 3 - Networks and Services (Chapters 6 and 7)		
TR-NPL-000157, Issue 2	Issued: April 1986	(T)(x)
TR-NWT-000335, Issue 3	Issued: May 1993	
TR-NWT-000341, Issue 2	Issued: February 1993	
TR-NWT-001112, Issue 1	Issued: June 1993	

(x) TR-NPL-000157, Issue 2 replaces TR-NPL-000157, Issue 1 in its entirety.

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Vice President, Federal Regulatory
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ACCESS SERVICE

REFERENCE TO OTHER PUBLICATIONS (Cont'd)

The following publications are referenced in this tariff and may be obtained from the Government Printing Office, Superintendent of Documents, Document Control Branch, 941 N. Capitol St., N.E., Washington, D.C. 20401.

Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook, National Communications System (NCS) H 3-1-2
Issued: December 2000

Telecommunication Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service User Manual, National Communications System (NCS) M 3-1-1
Issued: May 2000

The following technical publication is referenced in this tariff and may be obtained from the National Exchange Carrier Association on the Internet at neca.org. (D)
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PUB AS No. 1, Issue II
Issued: May 1984

The following publications, referenced in this tariff, may be obtained from the International Telecommunications Union (ITU), Place des Nations, CH-1211, Geneva 20, Switzerland or on the Internet at www.itu.int.net.

ITU-T G.707/Y.1322	Issued: January 2007
ITU-T G.959.1	Issued: December 2003
ITU-T G.692	Issued: October 1998 and Amendment 1 dated January 2005
ITU-T H.320 series Standards for Audio Narrowband Digital Networks	Visual Communications over Issued: March 2004

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Vice President, Federal Regulatory
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ACCESS SERVICE

REFERENCE TO TECHNICAL PUBLICATIONS AND INFORMATION PUBLICATIONS (Cont'd)

The following publications are referenced in this tariff and may be obtained from Institute of Electrical and Electronics Engineers, Inc., IEEE Standards Association, 445 Hoes Lane, P.O. Box 1331, Piscataway, NJ 08855-1331, or in electronic format on the Internet at www.ieee.org.

IEEE C95.1-2005

Issued: 2005

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The following publication, referenced in this tariff, may be obtained from the Verizon Telecommunications, 600 Hidden Ridge, MC-E03L08, Irving, TX 75038.

Technical Memorandum for Incidental InterLATA Call Management Signaling Service associated with the Verizon FCC Short Term Notice of Network Change dated March 2007
Issued: March 2007

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Vice President, Federal Regulatory
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ACCESS SERVICE

REFERENCE TO OTHER PUBLICATIONS (Cont'd)

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The Collocation Space Summary, which is referenced in this tariff, may be obtained from the Telephone Company's Internet website at <http://www22.verizon.com/wholesale/local/collocation/detail/physical-collocation-space-exhaust-list.html>.

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(Issued under Transmittal No. 1400)

Issued: December 2, 2019

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Vice President, Federal Regulatory
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ACCESS SERVICE

1. Application of Tariff

1.1 This tariff contains regulations, rates and charges applicable to the provision of Carrier Common Line, End User Access, Switched Access, Special Access Services that in each case are subject to Section 203 of the Communications Act (the "Act"), and other miscellaneous services, hereinafter referred to collectively as service(s), provided to customers by the following telephone companies of the Verizon Telephone Companies as issuing carriers: Verizon Pennsylvania LLC, Verizon New Jersey Inc., Verizon Delaware LLC, Verizon Washington, D.C. Inc., Verizon Maryland LLC, and Verizon Virginia LLC, hereinafter referred to (individually and collectively, as applicable) as the Telephone Company.

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The Special Access Service regulations, rates and charges located in this tariff are for Non-Competitive End User Channel Terminations (and associated optional features and functions).¹ In some instances, this tariff refers to Special Access Services in general terms, including references to competitive Special Access Services such as transport and channel terminations other than Non-Competitive End User Channel Terminations that are provided outside this tariff. Any references to Special Access Services provided outside of this tariff are solely to assist in understanding the manner in which the Telephone Company offers such services in connection with tariffed services and shall not be construed to mean that such services are offered under this tariff or are subject to Section 203 of the Act.

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(N)

1.2 The provision of such services by the Telephone Company as set forth in this tariff does not constitute a joint undertaking with the customer for the furnishing of any service.

1.3 The operating territory of the Telephone Company is the entire state of Delaware and the locations set forth in Section 14 following for the states of Maryland, New Jersey, Pennsylvania, Virginia, and the District of Columbia.

(T)

1.4 References in this tariff to local general services tariffs constitute the referencing of any state jurisdiction tariff approved by a state regulatory commission, or its equivalent (e.g., product guide), for any of the issuing carriers mentioned in 1.1 above.

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¹ Special Access Services not subject to Section 203 of the Act, including services detariffed in compliance with FCC Orders 17-43 (released April 28, 2017) and 19-66 (released July 12, 2019), are provided outside this tariff and are governed by agreements, contracts and other documents including the Business Data Services Product Guide and associated terms that are available at verizon.com/productguides or other designated location.

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(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

1. Application of Tariff (Cont'd)

1.5 References in this tariff to Interstate Special Construction Tariffs refer to the following tariff as effective in their respective territories:

(M)

Tariff F.C.C. NO. 21 for Verizon Washington, D.C. Inc., Verizon Maryland LLC, Verizon Virginia LLC, Verizon New Jersey Inc., Verizon Pennsylvania LLC, and Verizon Delaware LLC.

(M)

Material on this page formerly appeared on 6th Revised Page 1-1.

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

2. General Regulations

For Special Access Services, only Non-Competitive End-User Channel Terminations (and associated optional features and functions) are included in this tariff. General terms and conditions for the other Special Access Service components needed to complete a circuit are available as described in Section 1.1 preceding.

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2.1 Undertaking of the Telephone Company

2.1.1 Scope

- (A) The Telephone Company does not undertake to transmit messages under this tariff.
- (B) The Telephone Company shall be responsible only for the installation, operation and maintenance of the services it provides.
- (C) The Telephone Company will, for maintenance purposes, test its services only to the extent necessary to detect and/or clear troubles.
- (D) Services are provided 24 hours daily, seven days per week, except as set forth in other applicable sections of this tariff.
- (E) The Telephone Company does not warrant that its facilities and services meet standards other than those set forth in this tariff.

(This page filed under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

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ACCESS SERVICE

2. General Regulations (Cont'd)2.1 Undertaking of the Telephone Company (Cont'd)2.1.7 Changes and Substitutions (Cont'd)

metallic facilities for carrier or derived facilities used to provide other than metallic facilities, (B) change minimum protection criteria, (C) change operating or maintenance characteristics of facilities or (D) change operations or procedures of the Telephone Company. In case of any such substitution, change or rearrangement, the transmission parameters will be within the range as set forth in 6. and 7. following. The Telephone Company shall not be responsible if any such substitution, change or rearrangement renders any customer furnished services obsolete or requires modification or alteration thereof or otherwise affects their use or performance. If such substitution, change or rearrangement materially affects the operating characteristics of the facility, the Telephone Company will provide reasonable notification to the customer in writing. Reasonable time will be allowed for any redesign and implementation required by the change in operating characteristics. The Telephone Company will work cooperatively with the customer to determine reasonable notification requirements.

2.1.8 Refusal and Discontinuance of Service

- (A) Unless the provisions of 2.2.1(B) or 2.5 following apply, if a customer fails to comply with 2.1.6 preceding or 2.2.2, 2.3.1, 2.3.4, 2.3.5 or 2.4 following, including any payments to be made by the customer on the dates and times herein specified, the Telephone Company may, on thirty (30) calendar days written notice, discontinue provision of service and/or refuse additional applications for service, including the provision of Physically or Virtually Collocated Interconnection, and/or refuse to complete any pending orders for service, including the provision of Physically or Virtually Collocated Interconnection, by the noncomplying customer at any time thereafter. (T)
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Certain material previously found on this page can now be found on Original Page 2-139.

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

2. General Regulations (Cont'd)2.1 Undertaking of the Telephone Company (Cont'd)2.1.8 Refusal and Discontinuance of Service (Cont'd)

(C) In addition to and not in limitation of the provisions of 2.1.8(A) and 2.1.8(B) preceding, unless the provisions of 2.2.1(B) or 2.5 following apply, if a customer fails to comply with 2.4.1(B)(3) or with 2.4.1(A) following, including any payments to be made by it on the dates and times herein specified, the Telephone Company may take the actions specified in 2.1.8(A) and 2.1.8(B) with regard to services provided hereunder to that customer on fifteen (15) calendar days written notice, such notice period to start the day after the notice is sent by Overnight Delivery, if the customer has not complied with respect to amounts due in a subject bill and either

- (1) the Telephone Company has sent the subject bill to the customer within seven (7) business days of the bill date; or
- (2) the Telephone Company has sent the subject bill to the customer more than thirty (30) calendar days before notice under this section is given.

In all other cases, the Telephone Company will give thirty (30) calendar days written notice pursuant to 2.1.8(A) or 2.1.8(B). The Telephone Company will maintain records sufficient to validate the date upon which a bill was sent to a customer. Action will not be taken as specified in 2.1.8(A) or 2.1.8(B) with regard to the subject bill if the customer cures the noncompliance prior to the expiration of the fifteen (15) or thirty (30) day notice period, as applicable.

(D) If the Telephone Company provided notice pursuant to 2.1.8(A), (B), or (C) above, does not refuse additional applications for service, or discontinue the provision of the services on the date specified, and the customer's noncompliance continues, nothing contained herein shall preclude the Telephone Company's right to refuse additional applications for service or to discontinue the provision of the services, including the provision of Physically or Virtually Collocated Interconnection, to the noncomplying customer without further notice.

(E) Reserved.

(C)

Certain material previously found on this page can now be found on Original Page 2-139.

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

2. General Regulations (Cont'd)2.1 Undertaking of the Telephone Company (Cont'd)2.1.9 Limitation of Use of Metallic Facilities

Signals applied to a metallic facility shall conform to the limitations set forth in Technical Reference Publication AS No. 1. In the case of application of dc telegraph signaling systems, the customer shall be responsible, at its expense, for the provision of current limiting devices to protect the Telephone Company facilities from excessive current due to abnormal conditions and for the provision of noise mitigation networks when required to reduce excessive noise.

2.1.10 Notification of Service-Affecting Activities

The Telephone Company will provide the customer reasonable notification of service-affecting activities that may occur in normal operation of its business. Such activities may include, but are not limited to, equipment or facilities additions, removals or rearrangements, and routine preventative maintenance and switch replacements or retirements. Generally, such activities are not individual customer service specific, they affect many customer services. No specific advance notification period is applicable to all service activities. (T)
(C)
(D)

2.1.11 Coordination with Respect to Network Contingencies

The Telephone Company intends to work cooperatively with the customer to develop network contingency plans in order to maintain maximum network capability following natural or man-made disasters which affect telecommunications services.

2.1.12 Provision and Ownership of Telephone Numbers

The Telephone Company reserves the reasonable right to assign, designate or change telephone numbers, any other call number designations associated with Access Services, or the Telephone Company serving central office prefixes associated with such numbers, when necessary in the conduct of its business. Should it become necessary to make a change in such number(s), the Telephone Company will furnish to the customer six months' notice, of the effective date and an explanation of the reason(s) for such change(s). (T)

Certain material previously found on this page can now be found on Original Page 2-139.

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements (Cont'd)2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

(B) (Cont'd)

- (3) (a) All bills dated as set forth in (2) preceding for service provided to the customer by the Telephone Company, are due 31 days (payment date) after the bill day or by the next bill date (i.e., same date in the following month as the bill date) whichever is the shortest interval, except as provided herein, and are payable in immediately available funds. If such payment date would cause payment to be due on a Saturday, Sunday or Holiday (i.e., New Year's Day, Martin Luther King Jr. Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, Christmas Day, and a day when Washington's Birthday, Memorial Day or Columbus Day is legally observed), payment for such bills will be due from the customer as follows:

If such payment date falls on a Sunday or on a Holiday which is observed on a Monday, the payment date shall be the first non-Holiday day following such Sunday or Holiday. If such payment date falls on a Saturday or on a Holiday which is observed on Tuesday, Wednesday, Thursday or Friday, the payment date shall be the last non-Holiday day preceding such Saturday or Holiday.

- (b) Further, if any portion of the payment is received by the Telephone Company after the payment date as set forth in (a) preceding, or if any portion of the payment is received by the Telephone Company in funds which are not immediately available to the Telephone Company, then a late payment penalty shall be due to the Telephone Company. The late payment penalty shall be the portion of the payment not received by the payment date times a late factor. The late factor shall be

Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements (Cont'd)2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

- (C) Adjustments for the quantities of services established or discontinued in any billing period beyond the minimum period set forth for services in other sections of this tariff will be prorated to the number of days or major fraction of days based on a 30 day month. The Telephone Company will, upon request and if available, furnish such detailed information as may reasonably be required for verification of any bill.
- (D) When a rate as set forth in this tariff is shown to more than two decimal places, the charges will be determined using the rate shown. The resulting amount will then be rounded to the nearest penny (i.e., rounded to two decimal places).
- (E) When more than one copy of a customer bill for services provided under the provisions of this tariff is furnished to the customer, an additional charge applies for each additional copy of the bill as set forth in 13.3.7 following.

2.4.2 Minimum Periods

The minimum periods for which services are provided and for which rates and charges are applicable is one month except for those services set forth in 5.2.5(B), 7.2.5 (G), 7.2.14(C), 7.4.13, 7.4.16, 7.4.17, 7.5.5, 9.4(A) and 13.3.5(C)(1)(b),(c) and (d), 16.5, 16.6, 25.1.10, and 25.3.8 following.

(D)
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(D)

The minimum period for which service is provided and for which rates and charges are applicable for a Specialized Service or Arrangement provided on an individual case basis as set forth in 12. following, is one month unless a different minimum period is established with the individual case filing.

As specified in Section 5.2.6 following, when a service is discontinued prior to the expiration of the minimum period, charges are applicable whether the service is used or not, as follows:

(This page filed under Transmittal No. 1400)

Issued: December 2, 2019

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Vice President, Federal Regulatory
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ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements (Cont'd)2.4.7 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (Cont'd)

(B) Single Bill Arrangement for Service other than FGA and Lineside BSA (Cont'd)

(2) Ordering - The company that accepts the order from the customer will be determined as follows: (Cont'd)

(d) Trunkside BSA - 950 Option, Trunkside BSA-101XXXX Option, FGB or FGD ordered to an Access Tandem - The company where the Access Tandem is located will accept the order.

(e) WATS Access Line Service - When the WATS serving office and the end user end office are located in different Exchange Telephone Company operating territories, the company where the end office is located shall accept the order.

(f) Special Access Service Non-Competitive End User Channel Termination without Hub - Either company may accept the order. (C) (C)

(g) Special Access Service Non-Competitive End User Channel Termination with Hub - The company where the Hub is located shall accept the order. (C) (C)

(h) Common Channel Signaling Access Service - The company where the STP is located shall accept the order.

(i) Billing Validation Service - The company where the LIDB Service Control Point (SCP) is located shall accept the order.

The other company(ies) involved shall also receive a copy of the order from the customer.

(This page filed under Transmittal No. 1400)

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements (Cont'd)2.4.7 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (Cont'd)

(C) Multiple Bill Arrangement for Services other than FGA and Lineside BSA

(1) General - Separate bills will be rendered by the Exchange Telephone Companies for Access Service other than Lineside BSA or FGA if the administration of a single bill arrangement, as set forth in Sec. 2.4.7 B, is not utilized by the companies involved.

(2) Ordering - Each company will accept an order for service from the customer.

(3) Rating and Billing of Service - Each company will provide its portion of the Access Service based on the regulations, rates and charges contained in its Access Service tariff, subject to the following rules, as appropriate:

(a) The charges billed by this company for mileage sensitive rate elements, e.g., Dedicated Network Access link (fixed and per mile), Switched Transport (fixed and per mile), or Directory Assistance Transport, are determined as follows: (D)

(i) The total mileage for the service is computed using the V&H Coordinate Method set forth in National Exchange Carrier Association Tariff F.C.C. No. 4 (NECA No. 4).

(ii) A billing factor called the Border Interconnection Percentage (BIP) is determined from NECA No. 4 directly.

(iii) This company's rates and charges are then multiplied by the appropriate quantity(ies) and the billing factor to obtain the charges for this company.

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements (Cont'd)2.4.7 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (Cont'd)

(C) Multiple Bill Arrangement for Services other than Lineside BSA or FGA (Cont'd)

(3) Rating and Billing of Service (Cont'd)

(b) The application of nondistance sensitive rate elements varies according to the rate structure and the location of the facilities involved:

- (i) When rates and charges are listed on a per point of termination basis, this company's rates will be billed for the termination(s) within this company's operating territory.
- (ii) When rates and charges are listed on a per unit basis, e.g., central office bridging or multiplexing, this company's rates and charges will apply for units located in this company's operating territory.
- (iii) When rates and charges are developed on an individual case basis, such rates will be developed for the portion of the service provided by this company.
- (iv) When rates and charges are listed on a per service basis, these rates and charges will be billed.
- (v) When rates and charges are listed on a per line or trunk installed basis, this company's rates will be billed based on the number of lines or trunks specified by the customer on its order for access service placed with this company.
- (vi) When this company is an intermediate, non-terminating carrier in a given arrangement, direct trunked transport fixed charges will not apply. (C)

(This page filed under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

2.5 Connections

2.5.1 General

Equipment and Systems (i.e., terminal equipment, multiline terminating systems and communications systems) may be connected with Switched Access and Special Access Non-Competitive End User Channel Terminations furnished by the Telephone Company where such connection is made in accordance with the provisions specified in Technical Reference PUB AS No. 1, Issue II, and 2.1 preceding. (C)
(C)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Individual Case Basis

The term "Individual Case Basis" (ICB) 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.

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Interexchange Carrier (IC) or Interexchange Common Carrier

The terms "Interexchange Carrier" (IC) or "Interexchange Common Carrier" denotes any individual, partnership, association, joint-stock company, trust, governmental entity or corporation engaged for hire in interstate or foreign communication by wire or radio, between two or more exchanges.

Intermodulation Distortion

The term "Intermodulation Distortion" denotes a measure of the non-linearity of a channel. It is measured using four tones, and evaluating the ratios (in dB) of the transmitted composite four-tone signal power to the second-order products of the tones (R2), and the third-order products of the tones (R3).

Interstate Communications

The term "Interstate Communications" denotes both interstate and foreign communications.

Interstate IntraLATA

The term Interstate IntraLATA denotes physically interstate services between two points within the same LATA which are not used in connection with InterLATA channels.

Intrastate Communications

The term "Intrastate Communications" denotes any communications within the state subject to oversight by a state regulatory commission as provided by the laws of the state involved.

(This page filed under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

N-1 Carrier

Denotes the carrier that is delivering a call to the Telephone Company's switch and is responsible for determining the status and Location Routing Number of the dialed NXX.

Native Ethernet

Denotes an Ethernet transmission that is not carried within a SONENT signal.

Network Address

Numeric character string used to specify the location of the called customer.

Network Control Signaling

The term "Network Control Signaling" denotes the transmission of signals used in the telecommunications system which perform functions such as supervision (control, status, and charge signals), address signaling (e.g., dialing), calling and called number identifications, rate of flow, service selection error control and audible tone signals (call progress signals indicating re-order or busy conditions, alerting, coin denominations, coin collect and coin return tones) to control the operation of the telecommunications system.

Network Interface Device

The term "Network Interface Device" denotes any Company provided means of interconnection of end user customer premises wiring to the Local Exchange Carrier's distribution plant, such as a cross connect device used for that purpose.

Non-Competitive County

The term "Non-Competitive County" denotes the geographic unit of a county or county-equivalent that failed a competitive market test specified by the FCC (excluding those that were granted Phase II, Level 2 pricing flexibility prior to June 1, 2017).

(D)

Non-Competitive End User Channel Termination

The term "Non-Competitive End User Channel Termination" denotes a Special Access channel termination at an end user customer designated premises served by a wire center in a Non-Competitive County as listed in Section 14.8 following.

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(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

- 2. General Regulations (Cont'd)
- 2.7 Service Level Agreements (Cont'd)
- 2.7.1 Basic Service Level Agreements (Basic SLAs)

2.7.1.1 Credit Allowance for Service Interruptions

(A) General

A service is 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 Telephone Company personnel are notified by the customer that the service is inoperative.

When a Special Access service is provided entirely or in part under this tariff, and a service interruption credit applies, only a single credit allowance will be issued, per interruption, for such a service (thus, the customer will not receive a credit allowance under this tariff if the customer receives a credit allowance outside of this tariff for the same service interruption).

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(B) When a Credit Allowance Applies

Subject to Section 2.7.4(B) following, in case of an interruption to any service, credit allowance for the period of interruption shall be as follows:

- (1) For services other than those mentioned in 9.4(I)(1), (2), and (3), credits for interruption shall be:

(This page filed under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)2.7 Service Level Agreements (Cont'd)2.7.1 Basic Service Level Agreements (Basic SLAs) (Cont'd)

2.7.1.1 Credit Allowance for Service Interruptions (Cont'd)

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

(1) (Cont'd)

(a) Switched Access and Directory Assistance

No credit shall be allowed for an interruption of less than 24 hours. The customer shall be credited in increments of 24 hours at the rate of 1/30 of the monthly charge for the service for each period of 24 hours or major fraction thereof that the interruption continues. Each interruption in excess of twelve hours and up to 24 hours will result in a 24 hour credit being applied. For Switched Transport, the provisions as set forth in (b) following shall apply.

(b) Non-Competitive End User Channel Terminations, Switched Transport, or Packet Data Services (C)

No credit shall be allowed for an interruption of less than thirty (30) minutes except for IntelliLight® services. When service is interrupted for 30 minutes or more, credit is allowed for the portion of the service affected in 1/2 hourly multiples for each 1/2 hour period or major fraction thereof of interruption. Each interruption in excess of 15 minutes and up to 30 minutes will result in a 30 minute credit being applied. The amount of credit is the proportionate part of the monthly charge, based on 24 hour daily service.

When a service qualifies for Service Response Credits as set forth in Section 2.7.3.3 following, credit for an interruption in service under this section does not apply.

(This page filed under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

2.7 Service Level Agreements

2.7.1 Basic Service Level Agreements (Basic SLAs)

2.7.1.1 Credit Allowance for Service Interruptions (Cont'd)

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

(1) (Cont'd)

(b) Non-Competitive End User Channel Terminations,
Switched Transport, or Packet Data Services (C)
(Cont'd)

When a Switched Access direct trunked facility experiences an interruption of service, a credit will be applied for the facility itself. When a customer who has both Direct Trunked and Tandem Access facilities experiences an interruption of service, the customer will receive a credit based on the traffic on the out-of-service facility that is diverted to the tandem and charged at tandem rates.

The MOU credit will be derived by assuming 9000 MOU per trunk per month. Therefore, the daily credit would be limited to 300 MOU per trunk.

(This page filed under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

2.7 Service Level Agreements (Cont'd)

2.7.1 Basic Service Level Agreements (Basic SLAs) (Cont'd)

2.7.1.1 Credit Allowance for Service Interruptions (Cont'd)

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

(1) (Cont'd)

(b) Non-Competitive End User Channel Terminations, Switched Transport, or Packet Data Services (Cont'd) (C)

For example, if a DS1 carrying 24 trunks is out-of-service for 4 hours, the down-time is equal to 240 minutes. The customer would be credited for 240 MOU per working trunk. The 240 is less than the 300 MOU daily limit; therefore:

240 minutes out-of-service
X 24 trunks
5,760 MOU credit multiplied by tandem switching rate, fixed per MOU rate and the per mile per MOU rate.

If a DS1 carrying 24 trunks is out-of-service for 8 hours, the credit would be determined as follows:

8 hours X 60 minutes = 480 (total minutes out-of-service for one trunk). The daily MOU credit is limited to 300 per day. Since the out-of-service time exceeds the maximum daily credit, the customer will receive the maximum credit of 300 MOU multiplied by the number of working trunks.

This credit is only applicable if the customer has purchased tandem trunks to the tandem that serves the end office where the out-of-service Direct Trunked facility terminates.

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(This page filed under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)2.7 Service Level Agreements (Cont'd)2.7.1 Basic Service Level Agreements (Basic SLAs) (Cont'd)

2.7.1.1 Credit Allowance for Service Interruptions (Cont'd)

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

(1) (Cont'd)

(c) Special Federal Government Access Services and Specialized Service or Arrangements

Service interruptions for Special Federal Government Access Services and Specialized Service or Arrangements provided under the provisions of Sections 10 and 12 following shall be administered in the same manner as those set forth in this Section 2.7.1.1 unless other regulations are specified with the individual case filing.

(2) Credit allowances for interruptions to Switched Access Service and Directory Assistance Service apply to any applicable monthly rates.

(3) The credit allowance(s) for an interruption or for a series of interruptions shall not exceed the monthly rate for the service interrupted in any one monthly billing period.

(4) For Digital Data Access, DA1-4, High Capacity, HCl, Non-Competitive End User Channel Terminations, and for Switched Transport, any period during which the error performance is below that specified for the service will be considered as an interruption. (C)
(C)

(5) Reserved.

(6) For Lightwave Facilities, no credit shall be allowed for any interruption not reported by the customer; an interruption of less than 48 hours from the time of the customer's trouble report; or any interruption resulting from equipment furnished by the customer.

(This page filed under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

ACCESS SERVICE

2. General Regulations (Cont'd)

2.7 Service Level Agreements

2.7.1 Basic Service Level Agreements (Basic SLAs)

2.7.1.1 Credit Allowance for Service Interruptions (Cont'd)

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

- (7) For certain Special Access services, a Special Access Service Guarantee (SASG) credit allowance will apply in the event that such services experience a service interruption of four (4) or more consecutive hours except as specified in Section 2.7.4(B) following. The SASG credit allowance will apply to Voice Grade, WATS, monthly Digital Data (DDS), and High Capacity DS1 and DS3 Special Access services (collectively, Special Access Services). (D)

The customer has the option to subscribe to National SLA Plans as set forth in Section 2.7.3 following. When a customer subscribes to a National SLA Plan, SASG credit allowances under this Section 2.7.1.1(B)(7) do not apply to services covered by the National SLA Plan.

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If a Special Access Service is eligible for an SASG credit allowance, the Telephone Company shall provide the applicable credit amount as set forth in the table following. The Telephone Company shall bill customer the applicable monthly rate for the Special Access Service, and if customer is eligible to receive the SASG credit allowance, the customer shall receive the SASG credit in a later invoice. The SASG credit allowance is in addition to any other credit allowances available under this Section 2.7.1.1. The maximum amount of all credit allowances available for a Special Access Service for a given billing period shall not exceed the total applicable monthly charge paid by the customer for such Special Access Service. The monthly charge will consist of all applicable rate elements charged to the circuit experiencing the service interruption. The SASG credit allowance can only be applied once per month on a per circuit basis whether the circuit is provided entirely or in part under this tariff. For multi-point circuits, the SASG credit allowance will apply to each leg of the circuit that experiences a service interruption. (D) (D) (D) (D) (C) (C)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

2.7 Service Level Agreements (Cont'd)

2.7.1 Basic Service Level Agreements (Basic SLAs) (Cont'd)

2.7.1.1 Credit Allowance for Service Interruptions

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

(7) (Cont'd)

The SASG credit allowance for each applicable service is listed below:

<u>Service</u>	<u>SASG (per circuit)</u>
Voice Grade & WATS	
2-wire	20.00
4-wire	20.00
Digital Data/DDS	
2.4 Kbps	40.00
4.8 Kbps	45.00
9.6 Kbps	50.00
19.2 Kbps	55.00
56.0 Kbps	60.00
64.0 Kbps	65.00
High Capacity	
DS1	160.00
DS3	400.00

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(This page filed under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
 1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

2.7 Service Level Agreements (Cont'd)

2.7.1 Basic Service Level Agreements (Basic SLAs) (Cont'd)

2.7.1.1 Credit Allowance for Service Interruptions

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

(8) Reserved

(C)

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(9) Reserved

(C)

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(This page filed under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

2.7 Service Level Agreements

2.7.1 Basic Service Level Agreements (Basic SLAs)

2.7.1.1 Credit Allowance for Service Interruptions (Cont'd)

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

(10) For both Switched and Special IntelliLight Entrance Facilities (IEF), the following Special Access Service Guarantee, SASG, credit allowance applies: (D)

Any service outage of 4 hours or more due to a Company facility failure will result in a credit of 100% of the monthly rate for the applicable rate elements affected. Only one such credit is allowed in a single month's billing period.

(D)

(D)

(11) For those services provided in rate bands, only one credit is allowed in a single month's billing period. Credits for DS3 Entrance Facility Channel Terminations will be based upon the rate effective and rate band applicable to the customer at the time of service failure. (D)

(This page filed under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

2.7 Service Level Agreements (Cont'd)

(D)

(D)

(This page filed under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

2.7 Service Level Agreements (Cont'd)

2.7.1 Basic Service Level Agreements (Basic SLAs) (Cont'd)

2.7.1.1 Credit Allowance for Service Interruptions (Cont'd)

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(C) When A Credit Allowance Does Not Apply

Services will not be eligible for credits when any of the conditions set forth in Section 2.7.4(B) following exist.

(This page filed under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

2.7 Service Level Agreements (Cont'd)

(D)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)
|
(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

(D)

(D)

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)2.7 Service Level Agreements (Cont'd)2.7.4 When a Credit Allowance Does Not Apply (Cont'd)

(A) Missed Installation Due Dates/On Time Provisioning (Cont'd)

- (11) The customer requests Specialized Service or Arrangements as set forth in Section 12 following or services for which rates were developed on an individual case basis (ICB); or
- (12) The order is for Service Changes, or Moves as described in Section 7.4.1(C)(3) and 7.4.5(A) following, respectively; or (D)
- (13) Provision of service is delayed or prevented due to the Telephone Company's provision of National Security Emergency Preparedness telecommunications service as described in Section 10.8.1(D) following; or (D)
- (14) A delay or failure in the provision of service is required, permitted or excused by this Tariff; or
- (15) Provision of service is delayed or prevented due to acts of God or the public enemy, compliance with any law or any regulation or order of any governmental authority, acts of terrorism, war, rebellion, insurrection or sabotage or damage resulting therefrom, fires, floods, earthquakes, volcanic action, unusually severe weather, explosions, washouts, rules and regulations with regard to common carriers, accidents, epidemics, riots, strikes or other concerted acts of employees, whether direct or indirect, lockouts or other industrial disturbances, whether direct or indirect, worms, viruses or other contaminants that may cause damage to or disable software, computer or electronic systems, or any similar cause, or other causes beyond the Telephone Company's reasonable control.

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)

2.8 Sale or Transfer of a Verizon Operating Telephone Company's Assets and/or Stock to an Unaffiliated Third Party (Cont'd)

2.8.2 Undertaking of the Telephone Company Following a Transfer (Cont'd)

(A) (Cont'd)

(D)
(D)

- Directory Assistance Service as set forth in Section 9 following
- InterLATA Operator Services as set forth in Section 13.3.13 following
- Exchange Access Frame Relay Service Rate Stability Plan as set forth in Section 16.3.2 following
- Call Management Signaling Service as set forth in Section 20.1.2 following
- TCP/IP Data Aggregation Service as set forth in Section 22.1 following

In the event of a Transfer, the following applies.

- (1) The Telephone Company will, consistent with the service offering, determine if the customer satisfies the Minimum Requirement for the service offering with the reduced quantity of services the Telephone Company provides to the customer following the Transfer; and

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)2.9 Technology Migration (Cont'd)2.9.4 Service Under a Commitment Discount Plan#

(T)

(A) Effect on CDP True-Up for Each Service Type or Combined Service Type

In the first true-up following a Technology Migration and in all subsequent true-ups until the expiration of the current term commitment, the Telephone Company will include, for each Hi-Cap Disconnect that was replaced by a Replacing Service on or after December 2, 2010, the number of DS0 equivalents for the Hi-Cap Disconnect in the calculation of the average number of DS0 equivalents which were actually in service over the preceding six (6) months as if such Hi-Cap Disconnect had never occurred. Only those services that satisfy all of the requirements set forth in Section 2.9.6 following will be included in this calculation. The true-up process for a CDP is described in Section 25.1.7 following.

Upon renewal of the customer's CDP, the DS0 equivalents of each Technology Migration that occurred during the expiring term commitment will not be included in the true-up calculations of the renewal term. However, for each Hi-Cap Disconnect that is replaced by a Replacing Service during the renewal term, the Telephone Company will include the number of DS0 equivalents for such Technology Migration in the true-up calculations in the same manner that such DS0 equivalents were included in the expiring term commitment.

(B) The customer remains responsible for satisfying any Minimum Period obligations on the service(s) being disconnected.

Subject to Section 1.1 preceding, the Telephone Company manages a CDP as a single plan, and a true-up includes all of the CDP services included in that CDP.

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ACCESS SERVICE

2. General Regulations (Cont'd)2.9 Technology Migration (Cont'd)2.9.5 Service Under a National Discount Plan#

(T)

(A) Effect on NDP Annual True-Up

In the first Annual True-Up following a Technology Migration and in all subsequent Annual True-Ups until the expiration of the current term commitment, the Telephone Company will include the following in the calculation of the average number of equivalent DS1 CTs and equivalent DS1 CMs which were actually in service over the preceding twelve (12) months:

One hundred percent (100%) of the number of equivalent DS1 CTs and the number of equivalent DS1 CMs for each DS1 or DS3 Hi-Cap Disconnect that was replaced by a Replacing Service on or after December 2, 2010 as if such Hi-Cap Disconnect had never occurred; and

Upon renewal of the customer's NDP, the equivalent DS1 CTs and equivalent DS1 CMs of each Technology Migration that occurred during the expiring term commitment will not be included in the Annual True-Up calculations of the renewal term. However, for each Hi-Cap Disconnect that is replaced by a Replacing Service during the renewal term, the Telephone Company will include the number of equivalent DS1 CTs and the number of equivalent DS1 CMs for such Technology Migration in the Annual True-Up calculations in the same manner that such equivalent DS1 CTs and equivalent DS1 CMs were included in the expiring term commitment.

Only those services that satisfy all of the requirements set forth in Section 2.9.6 following will be included in this calculation. The Annual True-Up process for an NDP is described in Section 25.3.7 following.

(B) The customer remains responsible for satisfying any Minimum Period obligations on the service(s) being disconnected.

Subject to Section 1.1 preceding, the Telephone Company manages a National Discount Plan as a single plan, and the Annual True-Up includes all of the National Discount Plan services included in that National Discount Plan.

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ACCESS SERVICE

2. General Regulations (Cont'd)2.9 Technology Migration (Cont'd)2.9.6 Requirements For a Technology Migration (Cont'd)

(D) Terminating Location Requirements

Terminating locations include End User locations, Interexchange Carrier locations, physical or virtual CIS locations pursuant to Section 19 following, Primary Premises and Secondary Premises.

(1) One Hi-Cap Disconnect Replaced by One Replacing Service

The terminating location(s) of the Replacing Service must satisfy one of the following requirements:

- (a) For service provided between two End User locations, at least one of the locations of the Replacing Service must be the same as one of the locations of the Hi-Cap Disconnect; or (D)
- (b) For service provided between an Interexchange Carrier location or a physical or virtual CIS location and an End User location, one of the locations of the Replacing Service must be the same as the End User location of the Hi-Cap Disconnect; or
- (c) For a multiplexed facility provided between an Interexchange Carrier location, a physical or virtual CIS location, or an End User location and a Telephone Company Hub where multiplexing functions are performed, one of the locations of the Replacing Service must be the same as the Interexchange Carrier location, physical or virtual CIS location, or End User location, respectively, of the Hi-Cap Disconnect; or
- (d) For service provided between a Primary Premises and a Secondary Premises, one of the locations of the Replacing Service must be the same as the Secondary Premises location of the Hi-Cap Disconnect.

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1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

2. General Regulations (Cont'd)2.9 Technology Migration (Cont'd)2.9.6 Requirements For a Technology Migration (Cont'd)

(D) Terminating Locations (Cont'd)

- (2) Multiple Hi-Cap Disconnects Replaced by One or More Replacing Service(s)

When multiple Hi-Cap Disconnects are replaced by one or more Replacing Service(s), at least one of the locations for each of the Replacing Service(s) must be the same location as each of the End User locations or Secondary Premises, as applicable, of each of the Hi-Cap Disconnects, except where the locations involved are two (2) End User locations in which case at least one of the locations for each of the Replacing Service(s) must be the same as one of the End User locations of each of the Hi-Cap Disconnects. (D)

Example where both locations are End User locations: The customer has a DS1 High Capacity Service between locations A and B and a DS1 High Capacity Service between locations C and D. The two Replacing Services are between locations B and E and between locations D and F. Since each DS1 High Capacity Service has one location in common with its Replacing Service, this requirement is satisfied. (D)

Example where all locations are End User locations: The customer has three (3) DS1 High Capacity Services between locations A and B, C and D, and E and F. The two Replacing Services are between locations B and X and between locations D and Y. Since the Replacing Services do not have a common location with the DS1 High Capacity Service between locations E and F, this requirement is not satisfied. However, if the customer qualifies for a one-for-one replacement under (D)(1) preceding, this requirement would be satisfied for two of the DS1 High Capacity Services. The DS1 High Capacity Service between locations E and F, for which no common location exists, would not meet the requirements for a Technology Migration.

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ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service

This tariff contains ordering options for Switched Access Service and Special Access Service Non-Competitive End User Channel Terminations (and associated optional features and functions). Ordering options for the other Special Access Service components needed to complete a circuit are available as described in Section 1.1 preceding. (N)

5.1 General

This section sets forth the regulations and order related charges for Access Orders for Switched Access and Special Access Non-Competitive End User Channel Terminations. These charges are in addition to other applicable charges as set forth in other sections of this tariff. (T)
(C)

An Access Order is an order to provide the customer with Switched Access Service or Special Access Non-Competitive End User Channel Terminations or to provide changes to existing services. (C)
(C)

5.1.1 Ordering Conditions

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.

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 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.

Orders for Lineside BSA and Feature Group A Switched Access Service shall be in lines.

Orders for Trunkside BSA - 950 Option and Feature Group B Switched Access Service shall be in trunks.

The order date, which is known as the Application Date, is the date on which the Telephone Company receives a firm commitment and sufficient information from the customer to allow processing of the Access Order. The customer is advised of the critical events in the provisioning process, the Application Date, the Scheduled Issue Date, the Design Layout Report Date, the Records Issue Date, Wired and Office Tested Date, Plant Test Date and Service Date, at the time the Telephone Company gives the customer a firm confirmation. This firm order confirmation is forwarded to the customer on the date which all information to process the ASR is available.

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ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)5.2 Access Order

An Access Order is used by the Telephone Company to provide a customer Access Service as follows:

- Switched Access Services as set forth in Section 6 following,
- Special Access Services as set forth in Section 7 following,
- Packet Data Services as set forth in Section 16 following,
- Other Services as set forth in Section 5.1.2 preceding.

- (A) When a customer requests new or additional Switched Access Services, one or more access orders may be required. The number of orders required is dependent on the type of services and/or facilities being requested.

When placing an order for service, the customer shall specify, at a minimum, information for the Entrance Facility, as described in (1) following, Direct Trunked Transport Facility, as described in (2) following, and/or Tandem Switched Transport, as described in (3) following. This information is in addition to the basic Lineside or Trunkside Switched Access Service arrangement (BSA or FG) as described in (4) and (5) following respectively.

- (1) When the customer orders an Entrance Facility for Switched Access Service (as described in Section 6.1.2 following), the customer must specify the customer-designated premises and the type of facility, IEF, DS3, DS1, or Voice Grade, being requested between the customer's premises and the serving wire center (SWC) of that premises. The customer shall specify their facility terminating interface and the appropriate multiplexing options if desired at the SWC. (D)
- (2) When the customer orders Direct Trunked Transport (as described in Section 6.1.2 following) for Lineside or Trunkside Access, the customer must specify whether the Entrance Facility that interfaces with the Direct Trunked Transport facility is new or existing. If the Entrance Facility is new, the customer shall order the Entrance Facility as described in (1) preceding. If the Entrance Facility is existing, the customer shall provide the Circuit Identification of the existing facilities that will be utilized for the Direct Trunked Transport. The Entrance Facility capacity must be the same capacity as the Direct Trunked Transport or higher. The customer shall specify the type of Direct Trunked Transport facility, DS3, DS1, or Voice Grade, being requested between the SWC of the customer's premises and the end office switch and any multiplexing options desired at the end office. In addition, the customer must order Lineside or Trunkside Access at the same time as described in (4) and (5) following. (D)

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ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)5.2 Access Order (Cont'd)

In addition, the customer shall also specify, for out of band signaling connections the level of diversity in its network as defined in Verizon Supplement Common Channel Signaling (CCS) Network Interface Specification, Issue 1, and in Technical Reference GR-905-CORE, Issue 11. Customers ordering Billing Validation Service are subject to the requirements specified in 2.3.9, 2.3.10(A)(4), and 2.3.10(A)(8).

- For Billing Validation Service, the customer shall work cooperatively with the Telephone Company to determine the number of out of band signaling connections required to handle the signaling for Billing Validation Service.
- When the office to which the customer is ordering service is a remote switching system (RSS) or remote switching module (RSM), the customer must also specify the end office that serves as the host switch for the RSS or RSM.
- When a customer orders Trunkside BSA-101XXXX Option or FGD, the customer is responsible to assure that sufficient access facilities have been ordered to handle its traffic.
- Non-Competitive End User Channel Termination connections with other network services, such as WATS Access Connection (WAC) may be ordered separately by a customer other than the customer which orders the Switched Access Service. (C)
- For the WATS Access Connection (WAC), used for the provision of WATS Access Line Service which provides transmission of interstate or international traffic (only in conjunction with Trunkside BSA-101XXXX Option and Feature Group D service), the customer shall specify the premises at which the WAC terminates, the type of line (i.e., two wire or four wire), the type of calling, (i.e., originating or terminating), the desired type of Code Screening (i.e., bound or unbound), the Network Channel Interface, the Technical Specifications Package, and any other service options. For WATS Access Line Service combined with Lineside BSA, Trunkside BSA - 950 Option, Feature Group A, or Feature Group B, when the end user's serving wire center is not a WSO or, if there is not sufficient capacity in the WSO, the Telephone Company will use the nearest WSO where capacity exists. For WATS Access Line Service combined with Trunkside BSA- 101XXXX Option or Feature Group D, when the customer's premises is not served by a Feature Group D office, the Telephone Company will use the nearest Trunkside BSA-101XXXX Option or Feature Group D office to provide service. Certain Trunkside BSA-101XXXX Option and Feature Group D offices, i.e., DMS 10 and #5ESS, do not have the WATS capability. The Telephone Company will use the nearest equipped Trunkside BSA-101XXXX Option or Feature Group D office to provide the service. The customer will be notified of the change and order modification charges will not apply.

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ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order (Cont'd)

- For Non-Competitive End User Channel Terminations, the customer must specify the customer premises or Hubs involved, the type of service (e.g. Voice Grade, High Capacity, etc.), the channel interface, technical specification package and options desired, and the Percent Interstate Usage (PIU) as greater than or less than 10%, in accordance with Section 2.3.12, preceding. For multipoint services, the channel interface at each premises may, at the request of the customer, be different; but all such interfaces shall be compatible. For multiplexed High Capacity systems ordered to Facility Hubs, the customer must designate Hubs, specify Connecting Facility Assignment (CFA), and control channel assignment and routing of the subtending services. Voice Grade services that are ordered with compatible digital interfaces but without channel and assignment data will be provisioned, where facilities permit, on Telephone Company DS1 facilities inventory. (C)
(C)
(D)
(D)

(D)
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(D)

- When establishing Non-Competitive End User Channel Terminations under a Shared Network Arrangement, the Host Subscriber and the Service User must coordinate with each other the design, testing and maintenance of the service; additionally, the service user must provide to the Telephone Company the Connecting Facility Assignment (CFA) and the High Capacity Billing Account Number (HBAN) of the Host Subscriber. (C)

Upon receipt of an ASR with the required fields populated indicating a signed letter of authorization exists for a Shared Network Arrangement from the Host Subscriber, the Telephone Company will undertake to connect the Service User's circuits to the Host's service and to establish and maintain separate billing for the Service User's portion of the service. In the event that the Service User's is requesting a subtending circuit from a Host Subscriber's multiplexer which is, in term, part of a separate Shared Network Arrangement with a third-party Host (a cascading Shared Network Arrangement), the Service User must also obtain and provide to the Telephone Company the appropriate HBAN and CFA of the third-party Host, in order to identify the complete circuit for purposes of maintenance and testing continuity.

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1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)5.2 Access Order (Cont'd)

To estimate the amount of traffic to be generated to or from each end office subtending the entry switch or tandem, the BHMC may be determined by the customer in the following manner. For each day the customer shall determine the highest number of minutes of use for a single hour (e.g., 55 minutes in the 10-11 AM hour). The customer shall, for the same hour period (i.e. busy hour) pick the twenty consecutive business days in a calendar year which add up to the largest number of minutes of use. Both originating and terminating minutes shall be included. The customer shall then determine the average busy hour minutes of capacity (i.e. BHMC) by dividing the largest number of minutes of use figure for the same hour period for the consecutive twenty business day period by 20. This computation shall be performed for each end office subtending an entry switch or tandem to which service is ordered. When Switched Access Service is ordered in trunks, the trunks may be determined by the customer in the following manner. For each day the customer shall determine the highest number of trunks in use for a single hour. The customer shall, for the same hour period (i.e., busy hour), pick the twenty consecutive business days in a calendar year which add up to the largest number of trunks in use. The customer shall then determine the average busy hour trunks by dividing the largest number of trunks in use figure, for the same hour period, for the consecutive twenty business day period by 20. This computation shall be performed for each end office and/or access tandem the customer wishes to serve.

Where the Non-Competitive End User Channel Termination is exempt from the Special Access Surcharge as set forth in Section 7.4.2, following, the customer shall furnish with the order the certification as set forth in Section 7.4.2, following. (C)

5.2.1 Access Order Service Date Intervals

Access Service is provided with one of the following Service Date Intervals:

- Standard Interval
- Negotiated Interval

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Vice President, Federal Regulatory (T)
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ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)5.2 Access Order (Cont'd)5.2.1 Access Order Service Date Intervals (Cont'd)

To the extent the Access Service can be made available with reasonable effort, the Telephone Company will provide the Access Service in accordance with the customer's requested interval, subject to the following conditions:

(A) Standard Interval

The Telephone Company shall publish or make available to requesting customers a schedule of Standard Intervals applicable for Switched and Special Access Services. The schedule specifies the services and the quantities of services that can be provided in the Standard Intervals. Individual copies of the "Verizon Schedule of Standard Intervals" will be made available to customers upon request. (T)
(C)

Access Services provided in a Standard Interval will be installed during Telephone Company business days. If a customer requests that installation be done outside of scheduled work hours, and the Telephone Company agrees to this request, the customer will be subject to applicable Additional Labor Charges as set forth in 13.2.6 following.

(B) Negotiated Interval

The Telephone Company will negotiate a Service Date interval with the customer when:

- (1) There is no Standard Interval for the service, or
- (2) The customer requests a Service Date before or beyond the applicable Standard Interval Service Date, or
- (3) The quantity of Access Services ordered exceeds the quantities specified in the Standard Intervals.

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ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order (Cont'd)

5.2.1 Access Order Service Date Intervals (Cont'd)

(B) Negotiated Interval (Cont'd)

The Telephone Company will offer a Service Date based on the type and quantity of Access Services the customer has requested. The Negotiated Interval may not exceed by more than six months the Standard Interval Service Date, or, when there is no Standard Interval, the Telephone Company offered Service Date.

(D)
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(D)

All services for which rates are applied on an individual case basis are provided with a Negotiated Interval.

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1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order (Cont'd)

5.2.2 Access Order Modifications

The customer may request a modification of its Access Order at any time prior to notification by the Telephone Company that service is available for the customer's use or prior to the Service Date, whichever occurs first. The Telephone Company will endeavor to accommodate a requested modification when it is able to do so with the normal work force assigned to complete such an order within normal business hours. If the modification cannot be made with the normal work force during normal business hours, the Telephone Company will notify the customer. If the customer still desires the Access Order modification, the Telephone Company will schedule a new Service Date. All charges for Access Order modifications will apply on a per occurrence basis. (C)

Any increase in the number of Special Access Service Non-Competitive End User Channel Terminations, Switched Access Service lines, trunks, Switched Transport facilities, or out of band signaling connections will be treated as a new Access Order (for the increased amount only). (C)

If order modifications are necessary to satisfy the transmission performance for a Special Access Service Non-Competitive End User Channel Termination ordered by a customer, these changes will be made without order modification charges being incurred by the customer. (C)

(A) Service Date Change Charge

- (1) For Special Access Service Non-Competitive End User Channel Terminations, Access Order Service Dates for the installation of new services, but the new Service Date may not exceed the original Service Date by more than 30 calendar days except as specified following. When, for any reason, a customer or a customer's end user indicates that service cannot be accepted for a period not to exceed 30 calendar days, and the Telephone Company accordingly delays the start of service, a Service Date Change Charge will apply. (C)

If a customer or a customer's end user is unable to accept service within 30 calendar days of the original Service Date, the customer may elect one of the following options:

- (a) the customer may take no action, and the order will be cancelled by the Telephone Company on the 31st day with the appropriate Cancellation Charge as set forth in 5.2.3 following applied; or
- (b) the customer may choose to commence billing for the service on the 31st day.

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1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order (Cont'd)

5.2.2 Access Order Modifications (Cont'd)

(A) Service Date Change Charge (Cont'd)

- (3) A new Service Date may be established that is prior to the original standard or negotiated interval Service Date if the Telephone Company determines it can accommodate the customer's request without delaying Service Dates for orders of other customers. If the Service Date is changed to an earlier date, the customer will be notified by the Telephone Company that a Special Handling Charge as set forth in (D) following will apply. Such charges will apply in addition to the Service Date Change Charge.
- (4) Except as otherwise specified in (A)(1) preceding, a Service Date Change Charge will apply, on a per order per occurrence basis, for each Service Date changed.

When a Special Access Service is provided entirely or in part under this tariff, the Service Date Change Charge under this tariff will apply. (N)

The applicable charge is:

	<u>USOC</u> <u>OMC</u>	<u>Charge</u>	
Service Date Change Charge, Special Access Service, per order Price Cap		\$150.00	(D)
All other services, per order		150.00	

(B) Partial Cancellation Charge

Any decrease in the number of ordered Non-Competitive End User Channel Terminations, Switched Access Service lines, trunks, or out of band signaling connections (OBSC) ordered will be treated as a partial cancellation and the charges as set forth in 5.2.3(B) following will apply. (C)

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ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)5.2 Access Order (Cont'd)5.2.2 Access Order Modifications (Cont'd)(C) Design Change Charges

The customer may request a design change to the service ordered. A design change is any change to an Access Order which requires engineering review. An engineering review is a review by the Telephone Company, of the service ordered and the requested changes to determine what change in the design, if any, are necessary to meet the changes requested by the customer. Design changes include such things as the addition or deletion of optional features or functions or a change in the type of Transport Termination (Switched Access only), type of channel interface, type of Interface Group or technical specification package. Design changes do not include a change of customer premises, end user premises, end office switch, Feature Group, Lineside BSA, Trunkside BSA, Switched Transport facilities, or Non-Competitive End User Channel Terminations type. Changes of this nature will require the issuance of a new order and the cancellation of the original order with appropriate cancellation charges applied. (C)
(C)

The Telephone Company will review the requested change to determine if it can be accommodated and if a new Service Date is required. The Design Change Charge will apply on a per order, per occurrence basis, for each order requiring a design change. The applicable charge is:

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ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order (Cont'd)

5.2.2 Access Order Modifications (Cont'd)

(C) Design Change Charges (Cont'd)

When a Special Access Service is provided entirely or in part under this tariff, the Design Change Charge under this tariff will apply. (N)
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 (N)

	<u>USOC</u> <u>H28</u>	<u>Charge</u>	
Design Change Charges, Special Access Service, per order Price Cap		\$150.00	
All other services, per order		150.00	(D)

If a change of Service Date is required, the Service Date Change Charge as set forth in (A) preceding will also apply.

(D) Special Handling Charge

A Special Handling Charge will apply when a customer requests a Service Date that is earlier than the Standard Interval Service Date for the Access Service ordered. A customer may also request an earlier Service Date on negotiated interval Access orders.

The request for an earlier Service Date may be received from the customer prior to the issuance of an Access order, or after the Access order has been issued but prior to the Service Date.

The Telephone Company maintains exclusive right to accept or deny the request to expedite. If, upon reviewing availability of equipment and scheduled work load, the Telephone Company agrees to provide service on an expedited basis and the customer accepts this proposal, a Special Handling Charge will apply.

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ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order (Cont'd)

5.2.2 Access Order Modifications (Cont'd)

(D) Special Handling Charge (Cont'd)

When a Special Access Service is provided entirely or in part under this tariff, the Special Handling Charge under this tariff will apply. (N)
 |
 (N)

The nonrecurring Special Handling Charge to be applied to all Switched and Special Access orders processed on an expedited basis is as follows:

	<u>USOC</u>	<u>Charge</u>	
Special Handling Charge, Special Access Service Price Cap	EOD	\$557.00	
All other services, per order		557.00	(D)

The Special Handling Charge will be billed in addition to the normal nonrecurring Access service charge and will be applied on a per order per occurrence basis.

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ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order (Cont'd)

5.2.3 Cancellation of an Access Order (Cont'd)

(B) (Cont'd)

(3) (Cont'd)

	<u>APP</u>	<u>SID</u>	<u>DLRD</u>	<u>RID</u>	<u>WOT</u>	<u>PTD</u>
FGA ¹	0%	9%	19%	37%	100%	100%
FGB ²	0%	8%	17%	32%	100%	100%
FGD ⁴	0%	7%	18%	32%	100%	100%
CCSAS	0%	7%	18%	32%	100%	100%
OTS	0%	7%	18%	32%	100%	100%
R/T*	0%	20%	50%	75%	90%	100%
MT DNAL	0%	22%	39%	39%	68%	100%
S56	0%	7%	18%	32%	100%	100%
VG ⁶	0%	8%	17%	17%	74%	100%
WAC	0%	7%	18%	32%	100%	100%
DA	0%	10%	21%	21%	70%	100%
HC	0%	6%	21%	21%	74%	100%

(D)

(D)

1 and Lineside BSA
 2 and Trunkside BSA - 950 Option
 4 and Trunkside BSA-101XXXX Option
 6 and Voice Grade DNAL

* Trunk Routing/Switch Translation (R/T) installation orders are those that require translations software changes only. Routing/Translation Software installation includes, but is not limited to, 900 NXX code changes.

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ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order (Cont'd)

5.2.3 Cancellation of an Access Order (Cont'd)

(B) (Cont'd)

- (4) When a customer cancels an Access Order, or part of an Access Order, before the Service Date, the Telephone Company will apply cancellation charges to the order, unless the order is cancelled because the Telephone Company missed the Service Date.

When a Special Access Service is provided entirely or in part under this tariff, the Cancellation Charges under this tariff will apply. (N) (N)

Charges for the cancellation of a service are based on the amount of provisioning completed at the time of the request to cancel: (D)

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(Issued under Transmittal No. 1400)

Issued: December 2, 2019

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order (Cont'd)

5.2.3 Cancellation of an Access Order (Cont'd)

(B) (Cont'd)

(4) (Cont'd)

	<u>APP</u>	<u>SID</u>	<u>DLRD</u>	<u>RID</u>	<u>WOT</u>	<u>PTD</u>	
FGA ¹	\$0	\$75.00	\$187.50	\$375.00	\$562.50	\$750.00	
FGB ²	\$0	\$75.00	\$187.50	\$375.00	\$562.50	\$750.00	
FGD ⁴	\$0	\$75.00	\$187.50	\$375.00	\$562.50	\$750.00	
CCSAS	\$0	\$75.00	\$187.50	\$375.00	\$562.50	\$750.00	
							(D)
OTS	\$0	\$75.00	\$187.50	\$375.00	\$562.50	\$750.00	
R/T	\$0	\$70.00	\$175.00	\$262.50	\$315.00	\$350.00	
S56	\$0	\$75.00	\$187.50	\$375.00	\$562.50	\$750.00	
DA	\$0	\$75.00	\$187.50	\$375.00	\$562.50	\$750.00	
MT DNAL	\$0	\$20.00	\$50.00	\$100.00	\$150.00	\$200.00	(D)
VG ⁶	\$0	\$75.00	\$187.50	\$375.00	\$562.50	\$750.00	(D) (D)
WAC	\$0	\$70.00	\$175.00	\$350.00	\$525.00	\$700.00	(T) (D)
							(D) (D)
							(D) (D)

1 and Lineside BSA
 2 and Trunkside BSA - 950 Option

4 and Trunkside BSA-101XXXX Option
 6 and Voice Grade DNAL

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(Issued under Transmittal No. 1400)

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Vice President, Federal Regulatory
 1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order (Cont'd)

5.2.3 Cancellation of an Access Order (Cont'd)

(B) (Cont'd)

(4) (Cont'd)

	<u>APP</u>	<u>SID</u>	<u>DLRD</u>	<u>RID</u>	<u>WOT</u>	<u>PTD</u>	
<u>DDS</u>	\$0	\$75.00	\$187.50	\$375.00	\$562.50	\$750.00	(T)
							(D)
<u>HC (all zones)</u>							
- DS1	\$0	\$75.00	\$187.50	\$800.00	\$1200.00	\$1600.00	
- DS3	\$0	\$200.00	\$500.00	\$1500.00	2000.00	\$2500.00	

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(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
 1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order (Cont'd)

5.2.3 Cancellation of an Access Order (Cont'd)

(B) (Cont'd)

(4) (Cont'd)

	<u>APP</u>	<u>SID</u>	<u>DLRD</u>	<u>RID</u>	<u>WOT</u>	<u>PTD</u>	
Special Access IEF¹ (per STS1)							(T)
\$0	\$200.00	\$500.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	
Switched Access IEF (per STS1)							
\$0	\$200.00	\$500.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	(D)

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(D)

¹ Price Bands 4, 5, and 6

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(Issued under Transmittal No. 1400)

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Effective: December 17, 2019

Vice President, Federal Regulatory
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ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)

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(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)5.2 Access Order (Cont'd)5.2.3 Cancellation of an Access Order (Cont'd)

- (C) No cancellation charges apply when a customer cancels an order requesting disconnection of service. (T)
(T)

5.2.4 Selection of Facilities For Access Orders

- (A) When there are analog or digital high capacity facilities to a Hub as described in Section 5.2.8 following, on order or in service for the customer's use, the customer may request a specific channel or transmission path be used to provide the Switched Access Service or Special Access Non-Competitive End User Channel Termination requested in an Access Order. The Telephone Company will make a reasonable effort to accommodate the customer request. (D)
(C)
(C)
- (B) For all other Access Orders, the option to request a specific transmission path or channel is not provided except as provided for under Special Facilities Routing as set forth in 11. following.

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)5.2 Access Order (Cont'd)5.2.5 Minimum Period

- (A) Except as set forth in (B) following, 7.2.5 (G), 7.2.11(D), 7.2.14(C), 7.2.15(C), 7.2.16, 7.4.13, 7.4.17, 8.2(C)(1), 9.4(A), and 16.5, 16.6, 16.7, 25.1.10 and 25.3.8 following, the minimum period for which Access Service is provided and for which charges are applicable, is one month. (D)
- (B) Reserved. (C)
- (C) Service Rearrangements as set forth in 6.8.1(C)(2) following for Switched Access Services may be made without a change in minimum period requirements. (D)
- (D) Changes other than those identified in 6.8.1(C)(2) or 7.4.1(C)(3) following 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. (D)

The changes listed below are those which will be treated as a discontinuance and installation of service except as specified in 2.1.2(A) preceding and for which a new minimum period is to be established.

- (1) A change of customer of record (i.e., Access Service is provided to and billed to a different customer)
- (2) A move to a different building as set forth in 6.8.7(B) or 7.4.5(B) following
- (3) A change in type of service (i.e., Switched Access to Special Access, one type of Special Access to another, or one type of Switched Access Feature Group to another except as set forth in 6.8.6 following)
- (4) A change in the type of Special Access Service Channel Termination and IEF Terminations (D)
- (5) A change in Switched Access Service or Directory Assistance Service Interface Group
- (6) Change in Switched Access Service traffic type
- (7) Change from two-point to multipoint Special Access Service or from multipoint to two-point Special access service.

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order (Cont'd)

5.2.6 Minimum Period Charges

When Access Service is disconnected prior to the expiration of the minimum period, charges are applicable for the balance of the minimum period. A disconnect constitutes facilities being returned to available inventory.

Except as specifically stated in other sections of this tariff, the Minimum Period Charge for monthly billed services will be determined as follows:

- (A) For Switched Access Service, the charge is equal to the applicable minimum monthly charge for the capacity as set forth in 6.8.4 following.
- (B) For Switched Transport facilities and Special Access Non-Competitive End User Channel Terminations, the charge for a month or fraction thereof is the applicable monthly rates for the service as set forth in 6.9, 7.5 and 8.2 following, except for DS3 Switched Access Entrance Facility channel terminations, which are calculated using the rate band determined by the last count taken. When service is provided under a DS3 TPP, DS3 High Capacity TPP, Commitment Discount Plan, or National Discount Plan, the discount percentage specified in Section 6.8.22, Section 7.4.13(B), Section 25.1, or Section 25.3 following, respectively, shall be applied to the applicable monthly rates.
- (C) For Packet Data Services, the charge for a month or fraction thereof is the applicable monthly rates for the service as set forth in 16 following.

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 (D)

The Minimum Period Charge is in addition to all applicable nonrecurring charges for the service.

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
 1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.2 Rate Categories (Cont'd)(A) Switched Transport (Cont'd)(1) Entrance Facility Rate Category

An Entrance Facility provides the communication path between a customer's premises and the Telephone Company SWC of that premises for the sole use of the customer. The Entrance Facility category is comprised of a Voice Grade rate, a DS1 rate, a DS3 rate, or an IntelliLight Entrance Facilities (IEF) rate, plus IEF Interface when appropriate. An Entrance Facility is required whether the customer's premises and the SWC are located in the same or different buildings. The types of facilities available for Entrance Facilities are described in 6.2.5 following. (D)

(2) Direct Trunked Transport Rate Category

Direct Trunked Transport provides the transmission path from the SWC of the customer's premises to an end office or from the SWC to a tandem or in the case of voice grade service used for FGA/Lineside BSA, from the SWC to the Dial Tone Office (DTO). This transmission path is dedicated to the use of a single customer.

The Direct Trunked Transport rate category is comprised of a monthly fixed rate and a monthly per mile rate based on the facility provided (i.e., Voice Grade, DS1, or DS3). The fixed rate provides the circuit equipment at the ends of the transmission links. The per mile rate provides the transmission facilities, including intermediate transmission circuit equipment, between the end points of the circuit. The Direct Trunked Transport rate is the sum of the fixed rate and the per mile rate. For purposes of determining the per mile rate, mileage shall be measured as airline mileage between the SWC of the customer's premises and the end office or directly to the access tandem using the V&H coordinates method. The types of facilities available for Direct Trunked Transport are described in 6.2.5 following. (D)

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1300 I Street, NW, Washington, DC 20005 (T)

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements
(Cont'd)6.2.5 Switched Transport Facilities

Customers requesting Lineside or Trunkside Switched Access service must specify the type of Collocated Interconnection Cross-Connect Service and SPOT Bay Frame and Terminations pursuant to Section 19 following, Entrance Facility, or DS3, DS1, or Voice Grade between the customer's facilities or Collocated Interconnected arrangement and the SWC. (See Note below.)

The customer must also specify if Direct Trunked Transport or Tandem Switched Transport is desired. Tandem Switched Transport is not available for Lineside Switched Access Service. If Direct Trunked Transport is requested, the customer must specify the type of Direct Trunked Transport facility, DS3, DS1, or Voice Grade to be utilized. If Tandem Switched Transport is requested, the Telephone Company shall determine the type of facilities to be utilized from the SWC of the customer's facilities to the end office, via the access tandem, based on the customer's order for service on a busy hour minutes of capacity or on a per trunk basis. (D)

There are several types of facilities, IEF, DS3, DS1, or Voice Grade, available to the customer for Entrance Facilities and Direct Trunked Transport facilities for Lineside or Trunkside Switched Access service. Following is a brief description of each type of facility. Each type, as well as Collocated Interconnection Cross-Connect Service and SPOT Bay Frame and Terminations as specified in Section 19 following, has its own characteristics and is available with multiplexing options as set forth in 6.1.2(A)(7)(b) preceding. (D)

(a) Voice Grade Facility

A Voice Grade facility is an electrical communications path, which provides voice-frequency transmission in the nominal frequency range of 300 to 3000 Hz and may be terminated two-wire or four-wire. Compatible Interface Groups are described in 6.1.2(A)(6) preceding.

Note: See Section 19 following for further information.

(Issued under Transmittal No. 1400)

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements
(Cont'd)

6.2.5 Switched Transport Facilities (Cont'd)

(d) IntelliLight Entrance Facilities (IEF)

IEF facilities are available for Entrance Facilities and Direct Trunk Transport. An IEF facility is capable of providing unlimited quantities of STS1s, STS3s or STS12s. An IEF facility may require both a termination and an interface. IEF facilities are described in more detail in Section 6.8.25 following.

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(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.8 Rate Regulations (Cont'd)6.8.1 Description and Application of Rates and Charges (Cont'd)(A) Monthly Rates (Cont'd)(1) DS3 Entrance Facility Channel Terminations (Cont'd)

The following Switched and Special Access channel termination rate elements are eligible for inclusion in the Telephone Company's monthly count:

- DS3 Switched Access Entrance Facilities channel terminations (electrical and optical) as described in Section 6.9.1 following
- interstate DS3 High Capacity Special Access Service channel terminations at a primary premises provided by the Telephone Company. (T)
(D)
(C)

Before the first billing period of each month, the Telephone Company will count all eligible DS3 Switched Access Entrance Facility channel terminations that are in service between the same two locations (e.g., a customer-designated premises and the same serving wire center). If that customer-designated premises is a primary premises for Special Access Service, as defined in Section 7.4.1 following, the Telephone Company will also count all eligible DS3 High Capacity Special Access Services that are in service. The results are added to obtain the total count for a particular customer-designated premises and determines the applicable rate band. This step is repeated for each customer-designated premises.

When a facility carries both Switched and Special Access service under a Shared Use Arrangement as set forth in Section 6.8.17 following, each channel termination will be counted as either Switched Access or Special Access, but the total number of such circuits will be counted in determining the rate band charged.

(This page filed under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.8 Rate Regulations (Cont'd)6.8.1 Description and Application of Rates and Charges (Cont'd)

(D) Application of Rates (Cont'd)

(5) (Cont'd)

(a) Entrance Facility

The Entrance Facility monthly rate provides for the communication path between a customer's premises and the SWC of that premises and is assessed based on the capacity of the facilities provided (e.g., Voice Grade, DS1, DS3, or IEF). When Lineside Switched Access service is ordered, the Voice Grade Entrance Facility rate is assessed for each Lineside service requested unless the customer requests an Entrance Facility of higher capacity. The Entrance Facility rate is assessed when the customer premises and the SWC are in the same building. The Entrance Facility rate is in addition to the rates assessed for Direct Trunked Transport and Tandem Switched Transport. Rates and charges are set forth in Section 6.9 following. (D)

(b) Direct Trunked Transport

The Direct Trunked Transport monthly rate provides for the transmission facilities between the SWC of the customer's facilities to the end office or the access tandem based on the capacity of the facility requested, Voice Grade, DS1, or DS3. When Lineside Switched Access service is ordered, the Voice Grade Direct Trunked Transport rate is assessed for each Lineside service requested unless the customer requests a Direct Trunked Transport facility of higher capacity. There are two rates that apply, a fixed rate and a rate per mile. The Direct Trunked Transport rate is in addition to the Entrance Facility rate. Mileage measurement is described in Section 6.8.13 following. Rates and charges are set forth in Section 6.9 following. (D)

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Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.2 Minimum Periods

- (A) The minimum service period for Switched Transport entrance facilities and direct trunked transport are as follows:
 - DS1: 2 months
 - DS3: 12 months
 - IEF: 12 months
- (B) When service is provided under a Commitment Discount Plan as set forth in Section 25 following, the minimum period for service provided under a Commitment Discount Plan is one (1) year from the date that such service is installed in lieu of the minimum period which would normally apply to that service. Commitment Discount Plan minimum period regulations are specified in Section 25.1.10 following.
- (C) All other Switched Access Service is provided for a minimum period of one month.
- (D) When service is disconnected prior to the expiration of the minimum period, charges are applicable for the balance of the minimum period. Customers may at any time change their service payment option to a Term Payment Plan without assessment of the minimum service charge.

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Vice President, Federal Regulatory
 1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.8 Rate Regulations (Cont'd)6.8.10 Application of Rates for Extension Service (Cont'd)

Lineside BSA and Feature Group A extensions in different LATAs or in a different state in the same LATA are provided and charged for as Special Access Service. The rate elements which apply are: A Voice Grade Channel Termination, Channel Mileage, if applicable, and Signaling Capability, if applicable. All appropriate monthly rates and nonrecurring charges for interstate Voice Grade Special Access Service provided by the Telephone Company will apply. Such extensions are ordered as set forth in 5.2 preceding. (C)

6.8.11 Message Unit Credit

Calls from end users to the seven digit local telephone numbers associated with Lineside BSA and Feature Group A Switched Access Service are subject to Telephone Company general services tariffs charges (including message unit and toll charges as applicable). The monthly bills rendered to customers for their Lineside BSA and Feature Group A Switched Access Service will include a credit as defined in 2.6 preceding to reflect any message unit charges collected from their end users under the Telephone Company's local general services tariffs. The credit will apply for recorded originating usage for the Lineside BSA and FGA service provided. No credit will apply for any terminating Lineside BSA and FGA access minutes. The Message Unit Credit for originating Lineside BSA and FGA access minutes is as set forth in 6.9.5 following.

6.8.12 Local Information Delivery Services

Calls over Switched Access in the terminating direction to certain community information services will be rated under the applicable rates for Switched Access Service as set forth in 6.9 following. In addition, the charges per call as specified under the Telephone Company's local general services tariffs, e.g., 976 Network Services, will also apply.

(This page filed under Transmittal No. 1400)

Issued: December 2, 2019

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.16 Reserved

6.8.17 Shared Use High Capacity Services

Shared use occurs when Special Access service and Switched Access Service are provided over the same High Capacity service through a common interface. The facility will be ordered, provisioned and rated at Switched Access (i.e., Entrance Facility, Direct Trunked Transport, as appropriate and Multiplexing, as appropriate, between the customer designated facilities and the Telephone Company SWC or Hub. When the customer chooses to use a portion of the available capacity for providing Special Access Service, then as each circuit is activated for Special Access Service, the Switched Access High Capacity Entrance Facility, Direct Trunked Transport, and multiplexer rates will be adjusted accordingly (e.g., for a VG capacity Special Access 1/24th of a DS1 service, 1/672nd of a DS3 service, etc.). Special Access Service rates and charges will apply for each circuit of the shared use facility that is used to provide a Special Access Service when the original service is ordered as Switched Access.

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The nonrecurring charge that applies when the shared use facility is installed will be the nonrecurring charge associated with the appropriate Switched Access Services. Switched Access Service rates and charges as set forth in 6.9 following, will apply for each circuit of the Shared Use Facility that is used to provide a Switched Access Service when the base service is ordered as Switched Access. The spare channels will be assigned to either Switched Access or Special Access for rating purposes depending on how the customer ordered the service: i.e., Switched Access or Special Access respectively.

The customer must place an order for each individual Switched or Special Access Service using the Shared Use Facilities and specify the circuit assignment for each service.

(This page filed under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory (T)
1300 I Street, NW, Washington, DC 20005 (T)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.22 DS3 Service Arrangement Term Pricing Plan (TPP)# (Cont'd)

(C) TPP Termination Without Liability (Cont'd)

(1) (Cont'd)

For TPPs established prior to December 17, 2019, in the event that the Telephone Company initiates a rate increase and the total discounted monthly rate for the affected service increases by eight percent (8%) or more, the customer may cancel its TPP for the affected service without termination liability. The customer must exercise its option to cancel the TPP for the affected service within thirty (30) days of the date of the effective rate increase. (C)

Service availability limited. Refer to # footnote on Page 6-237.

(This page filed under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.24 Reserved

6.8.25 IntelliLight Services

(A) General

The Telephone Company's IntelliLight Services are a family of optional Switched Access high capacity services provided using SONET-based technology. IntelliLight Services include the following Switched Access services:

- IntelliLight Entrance Facilities (IEF), as set forth in (C)(5) following

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IntelliLight services are designed to meet customer requirements for reliable and survivable networks.

IntelliLight services are provided on SONET facilities. There are no provisions within the SONET standard for asynchronous DS1 to DS3 multiplexing.

Technical specifications are delineated in the following Technical References:

GR-253-CORE, Issue 4
"Synchronous Optical Network (SONET) Transport Systems: Common Generic Criteria"

GR-1374-CORE, Issue 1
"SONET Inter-Carrier Interface Physical Layer Generic Criteria for Carriers"

ANSI T1.105.01-2000 (R2005) "Synchronous Optical Network (SONET) - Basic Description including Multiplex Structure, Rates and Formats"

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Issued: December 2, 2019

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.8 Rate Regulations (Cont'd)6.8.25 IntelliLight Services (Cont'd)

(B) Definitions (Cont'd)

OC12/3 (OC12 over 3): a node designation that denotes a ring line rate of OC12, but with port interface capability and capacity equal to OC3. An OC12 DSR could have one, some or all OC12/3 nodes.

OC12+3, OC48+3, OC192+3, OC192+12, and OC192+48: designations for nodes in ring-on-ring designs; the higher speed ADM is part of the true ring, and the lower speed ADM is connected for the purpose of mapping lower speed services onto the STS1s of the OC12, 48, or 192. Both nodes, the lower and higher speed node, of a ring-on-ring arrangement must be located in the same customer premises or wire center.

Port: a DSR rate element that denotes the interface at which a channelized or lower speed service terminates or originates at a DSR node.

SONET (Synchronous Optical NETwork): an international standard for the transmission of high capacity bandwidth over optical facilities. This synchronous transmission platform utilizes a modular multiplexing approach. Because of the large bandwidth, some of the payload is used to monitor, protect, manage and improve the transmission of the signal.

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Transmuxing: the function of a DSR DS3 Transmux port that performs a DS3 to DS1 conversion at a DSR Enhanced Node. The DS3 to DS1 conversion allows a single DSR DS3 Transmux port (which includes a DS3 Transmux Facility to which the DS1 circuits are mapped) to be a facility associated with up to twenty-eight (28) VT1.5 mapped DSR DS1 ports. Such DS3 Transmux Facility will be provisioned upon ordering the associated DS1 Transmux port. Transmuxing within the DSR network retains DS1 visibility allowing for full, proactive maintenance capability of the DS1 signals.

Virtual Tributary (VT): A SONET structure designed for transport of sub-STs1 payloads. A DS1 is mapped into the SONET format using a VT1.5 as a packaging mechanism that is internal to the SONET signal.

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.25 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(2) Reserved

(C)

(D)

(D)

(Issued under Transmittal No. 1400)

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

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(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

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(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

- 6. Switched Access Service (Cont'd)
- 6.8 Rate Regulations (Cont'd)

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(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

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(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

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(Issued under Transmittal No. 1400)

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Effective: December 17, 2019

Vice President, Federal Regulatory
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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

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(D)

(Issued under Transmittal No. 1400)

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ACCESS SERVICE

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ACCESS SERVICE

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ACCESS SERVICE

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6.8 Rate Regulations (Cont'd)

(D)

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ACCESS SERVICE

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6.8 Rate Regulations (Cont'd)

(D)

(D)

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ACCESS SERVICE

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6.8 Rate Regulations (Cont'd)

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(D)

(Issued under Transmittal No. 1400)

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1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.25 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(3) Reserved

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(This page filed under Transmittal No. 1400)

Issued: December 2, 2019

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Vice President, Federal Regulatory (T)
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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.25 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

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(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.25 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

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(This page filed under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory (T)
1300 I Street, NW, Washington, DC 20005 (T)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.25 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

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(This page filed under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory (T)
1300 I Street, NW, Washington, DC 20005 (T)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.25 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

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(D)

(This page filed under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory (T)
1300 I Street, NW, Washington, DC 20005 (T)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.25 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(4) Reserved for Future Use

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(This page filed under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory (T)
1300 I Street, NW, Washington, DC 20005 (T)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

(D)

(D)

(This page filed under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory (T)
1300 I Street, NW, Washington, DC 20005 (T)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.25 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(5) IntelliLight Entrance Facilities (IEF)# (Cont'd)

(b) Service Description (Cont'd)

Each IEF Termination can be connected to other Switched Access entrance facilities via the Telephone Company's interoffice facilities (IOF). The IOF transport for IEF Terminations are DS3s.

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Interoffice mileage, when applicable, will apply at detariffed channel mileage rates for the appropriate High Capacity service being transported over the IOF. An IEF Termination with an IEF DS3 Interface is transported in the IOF as DS3 service, and is billed at DS3 channel mileage rates.

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Service availability limited. Refer to # footnote on Page 6-290.

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.25 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(5) IntelliLight Entrance Facilities (IEF)# (Cont'd)

(c) Optional Features and Functions

Survivability from the IEF SWC to other network service locations can be obtained through the purchase of service options. An option which enhances survivability through diversity is Alternate Serving Wire Center, ASWC; see High Capacity Service Optional Features and Functions, Section 6.1.2(A)(8). (D)

DS1s multiplexed into a DS3 occurs outside the SONET network, and requires DS3 to DS1 multiplexing at the wire center; see Optional Features in Section 6.1.2(A)(8) preceding. (D)

Service availability limited. Refer to # footnote on Page 6-290.

(Issued under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

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1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.9 Rates and Charges (Cont'd)

6.9.1 Switched Transport (Cont'd)

6.9.1.5 Reserved for Future Use

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(This page filed under Transmittal No. 1400)

Issued: December 2, 2019

Effective: December 17, 2019

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.9 Rates and Charges (Cont'd)

6.9.1 Switched Transport (Cont'd)

6.9.1.6 Reserved for Future Use

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(D)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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(D)

(D)

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