

**ISSUING CARRIERS**

**NAME OF COMPANY**

**PREVIOUS TARIFF CANCELLED**

Bixby Telephone Company  
6 East Breckenridge  
Bixby, OK 74008-0098

Ellijay Telephone Company  
224 Dalton Street  
P.O. Box O  
Ellijay, GA 30540

Brindlee Mountain Telephone LLC  
113 South Main Street  
Arab, AL 35016

Otelco Telephone LLC  
505 3<sup>rd</sup> Avenue East  
Oneonta, AL 35121

(D)  
|  
(D)

Saco River Telephone LLC  
56 Campus Drive  
New Gloucester, ME 04260

Etex Telephone Cooperative, Inc.  
Highway 155 North  
P.O. Box 180  
Gilmer, TX 75644

Transmittal No. 197

**ISSUING CARRIERS**

**NAME OF COMPANY**

**PREVIOUS TARIFF CANCELLED**

TDS Telecom Companies-Group D, Comprised of the Following Issuing Carriers (Cont'd)

Virginia Telephone Company d/b/a TDS Telecom  
525 Junction Road  
P.O. Box 5158  
Madison, WI 53705-0158

Waunakee Telephone Company LLC d/b/a TDS Telecom  
525 Junction Road  
P.O. Box 5158  
Madison, WI 53705-0158

Wilton Telephone Company, Inc. d/b/a TDS Telecom  
525 Junction Road  
P.O. Box 5158  
Madison, WI 53705-0158

Hancock Rural Telephone Corporation d/b/a NineStar Connect  
2243 East Main Street  
Greenfield, IN 46140

Piedmont Rural Telephone Cooperative, Inc.  
201 Anderson Drive  
Laurens, SC 29360

Ringgold Telephone Company  
6203 Alabama Highway  
P.O. Box 869  
Ringgold, GA 30736

Star Telephone Membership Corp.  
3900 North US Highway 421  
Clinton, NC 28328

Winnebago Cooperative Telecom Association  
704 East Main  
Lake Mills, IA 50450

(N)

(N)

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**ISSUING CARRIERS**

**NAME OF COMPANY**

**PREVIOUS TARIFF CANCELLED**

Total Communications, Inc.  
101 South Ochelata Street  
Ochelata, OK 74051

Pine Telephone Company  
Second & Park Drive  
P.O. Box 548  
Broken Bow, OK 74728

Moundridge Telephone Company  
109 North Christian Avenue  
P.O. Box 960  
Moundridge, KS 67107-0960

The Pioneer Telephone Association, Inc.  
d/b/a Pioneer Communications  
120 West Kansas Avenue  
P.O. Box 707  
Ulysses, KS 67880-0707

(N)

(N)

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Title Page 1 to 17-1850 of this tariff and Supplement 10 are effective as of the date shown. Original and revised pages as named below contain all changes that are in effect on the date hereof.

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Title	1st	0-16	3rd	0-24.35	Original
Title 2	25th	0-17	2nd	0-24.36	1st*
Title 3	5th	0-18	Original	0-24.37	1st
Title 4	4th	0-19	4th	0-24.38	Original
Title 5	1st	0-20	2nd	0-24.39	1st
Title 6	Original	0-21	Original	0-24.40	Original
Title 7	2nd*	0-22	4th	0-24.41	Original
Title 8	Original	0-23	8th	0-24.42	Original*
Title 9	Original	0-23.1	7th	0-24.43	Original*
Title 10	1st*	0-24	4th	0-24.44	Original*
Title 11	Original*	0-24.1	4th	0-24.45	Original*
0-1	191st*	0-24.2	1st	0-24.46	Original*
0-1.1	24th*	0-24.3	5th	0-24.47	Original*
0-2	30th*	0-24.4	2nd	0-24.48	Original*
0-3	52nd*	0-24.5	2nd	0-24.49	Original*
0-3.1	4th	0-24.6	2nd	0-24.50	Original*
0-4	77th*	0-24.7	2nd	0-25	1st
0-4.1	69th*	0-24.8	1st	0-26	3rd*
0-4.1.1	2nd	0-24.9	2nd	0-27	4th
0-4.2	63rd	0-24.10	2nd	0-27.1	Original
0-4.3	74th	0-24.11	3rd	0-28	2nd
0-4.4	67th	0-24.12	1st	0-29	2nd
0-4.4.1	7th	0-24.13	1st	0-30	1st
0-4.5	62nd	0-24.14	2nd	0-31	1st
0-4.6	68th	0-24.15	1st	0-32	3rd
0-4.7	23rd	0-24.16	2nd	0-32.1	Original
0-4.8	13th	0-24.17	4th	0-33	1st
0-4.9	19th	0-24.18	3rd	0-34	Original
0-4.10	8th	0-24.19	5th	1-1	1st
0-4.11	1st	0-24.20	Original		
0-4.12	2nd	0-24.21	1st		
0-4.13	1st	0-24.22	1st		
0-4.14	1st	0-24.23	Original		
0-4.15	Original	0-24.24	Original		
0-4.16	Original	0-24.25	Original		
0-5	Original	0-24.26	Original		
0-6	1st	0-24.27	Original		
0-7	9th	0-24.28	Original		
0-7.1	2nd	0-24.29	Original		
0-8	7th	0-24.30	Original		
0-9	7th	0-24.31	Original		
0-9.1	2nd	0-24.32	Original		
0-10	1st	0-24.33	Original		
0-11	2nd	0-24.34	Original		
0-12	4th				
0-13	2nd				
0-14	1st				
0-15	Original				

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President  
7852 Walker Drive, Greenbelt, Maryland 20770

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2-2	Original	2-37.1	1st*	2-75	3rd
2-3	Original	2-38	Original	2-76	3rd
2-4	Original	2-39	Original	2-77	6th
2-5	Original	2-40	Original	2-77.1	1st
2-6	Original	2-41	Original	2-78	5th
2-7	Original	2-42	Original	2-79	2nd
2-8	1st	2-43	Original	3-1	5th
2-9	1st	2-44	Original	3-2	3rd
2-9.1	1st	2-45	Original	3-3	2nd
2-9.2	Original	2-46	1st	3-4	2nd
2-10	1st	2-47	Original	3-5	3rd
2-11	1st	2-48	1st	3-6	2nd
2-12	Original	2-49	1st	3-7	3rd
2-13	Original	0	1st	3-8	3rd
2-14	Original	2-51	1st*	3-9	2nd
2-15	Original	2-52	1st	3-10	2nd
2-16	Original	2-53	3rd	3-11	2nd
2-17	Original	2-54	1st	3-12	3rd
2-18	1st	2-55	2nd	3-13	2nd
2-19	3rd	2-56	3rd	3-14	3rd
2-19.1	Original	2-57	3rd	3-15	2nd
2-19.2	Original	2-57.1	Original	3-16	2nd
2-20	3rd	2-57.2	Original	3-17	2nd
2-20.1	2nd*	2-57.3	1st*	3-18	2nd
2-21	4th	2-57.4	Original*	3-19	2nd
2-22	2nd	2-58	1st	3-20	2nd
2-22.1	Original	2-59	4th	3-21	3rd
2-23	2nd	2-60	5th	3-22	3rd
2-24	2nd	2-60.1	4th	3-23	3rd
2-25	3rd	2-61	2nd	3-24	3rd
2-25.1	Original	2-62	1st	3-25	4th
2-25.2	Original	2-63	2nd	3-26	Original
2-25.3	Original	2-64	3rd	4-1	1st
2-26	2nd	2-64.1	2nd	4-2	Original
2-27	1st	2-65	4th	4-3	1st
2-27.1	Original	2-66	1st	4-4	1st
2-28	1st	2-67	2nd	4-5	Original
2-29	1st	2-67.1	Original	4-6	1st
2-30	1st	2-68	2nd	4-7	3rd
2-31	Original	2-68.1	1st	4-8	2nd
2-32	1st	2-69	1st		
2-32.1	Original	2-70	2nd		
2-32.2	Original	2-70.1	1st		
2-33	1st	2-71	3rd		
2-33.1	Original	2-71.1	2nd		
2-34	5th	2-72	4th		
2-35	1st	2-73	4th		
2-36	3rd*	2-73.1	Original		

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5-2	1st	6-10.5	3rd	6-56	Original
5-3	1st	6-10.6	1st*	6-57	Original
5-4	1st	6-10.7	Original*	6-58	3rd*
5-5	3rd*	6-10.8	Original*	6-59	Original
5-5.1	2nd	6-11	3rd*	6-60	Original
5-6	1st	6-12	3rd*	6-61	Original
5-7	4th*	6-12.1	Original*	6-62	Original
5-8	2nd	6-13	2nd	6-63	Original
5-9	2nd*	6-14	2nd	6-64	Original
5-10	1st*	6-15	Original	6-65	Original
5-11	Original	6-16	Original	6-66	Original
5-12	1st	6-17	1st	6-67	Original
5-12.1	Original	6-18	Original	6-68	2nd
5-12.2	Original	6-19	Original	6-69	2nd*
5-12.3	Original	6-20	1st	6-70	Original
5-13	1st*	6-21	3rd	6-71	Original
5-14	Original	6-21.1	Original	6-72	Original
5-14.1	1st	6-22	Original	6-73	Original
5-14.2	1st	6-23	Original	6-74	Original
5-15	Original	6-24	Original	6-75	Original
5-16	1st	6-25	Original	6-76	1st
5-17	Original	6-26	2nd	6-77	Original
5-18	6th	6-27	Original	6-78	Original
5-18.1	3rd	6-28	Original	6-79	Original
5-18.1.1	1st	6-29	Original	6-80	Original
5-19	6th	6-29.1	1st*	6-81	2nd
5-20	2nd	6-30	2nd	6-82	1st*
5-21	Original	6-31	2nd*	6-83	Original
5-22	1st	6-31.1	Original	6-84	1st
5-23	4th*	6-32	Original	6-85	Original
5-24	Original	6-33	1st	6-86	1st
5-25	1st	6-34	2nd	6-87	Original
5-26	2nd	6-35	3rd	6-88	1st
6-1	3rd	6-35.1	Original	6-89	1st
6-2	3rd*	6-36	3rd	6-90	1st
6-2.1	Original*	6-36.1	2nd	6-91	Original
6-3	1st	6-37	Original	6-92	1st
6-4	3rd*	6-38	Original	6-93	Original
6-5	Original	6-39	Original	6-94	1st
6-6	1st	6-40	Original	6-95	2nd
6-7	4th*	6-41	1st	6-96	2nd
6-7.1	3rd	6-42	Original	6-97	2nd
6-8	1st	6-43	1st	6-98	2nd*
6-9	5th*	6-44	1st	6-99	Original
6-10	3rd*	6-45	1st	6-100	3rd*
6-10.1	2nd*	6-46	1st	6-100.1	Original*
6-10.1.1	Original*	6-47	Original	6-101	2nd
6-10.1.2	Original*	6-48	3rd	6-102	1st
6-10.1.3	Original*	6-49	3rd	6-103	Original
6-10.2	5th*	6-50	2nd	6-104	1st
6-10.3	4th	6-51	2nd	6-105	Original
		6-52	2nd	6-106	Original
		6-53	1st*	6-107	Original
		6-54	Original	6-108	Original
				6-109	3rd
				6-110	1st

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6-112	1st	7-3.6.1	3rd	7-34.2	4th
6-113	1st	7-3.6.2	Original	7-34.3	3rd
6-114	Original	7-3.6.3	Original	7-34.3.1	1st
6-115	2nd	7-3.6.4	Original	7-34.3.2	Original
6-116	Original	7-3.6.5	Original*	7-34.3.3	Original
6-117	1st	7-3.7	5th	7-34.3.4	Original
6-118	1st	7-4	1st	7-34.4	4th
6-119	2nd	7-5	1st	7-34.5	Original
6-120	1st	7-5.1	Original	7-34.6	Original
6-121	1st	7-6	2nd	7-34.7	Original
6-122	1st	7-6.1	Original	7-34.8	Original
6-123	3rd	7-7	1st	7-34.9	Original
6-123.1	Original	7-8	2nd	7-34.10	1st
6-123.2	Original	7-9	Original	7-34.11	1st
6-124	Original	7-10	2nd	7-35	1st
6-125	1st	7-10.1	Original	7-36	2nd
6-126	2nd	7-10.2	Original	7-37	1st
6-127	1st	7-10.3	Original	7-38	1st
6-128	1st	7-11	Original	7-39	2nd
6-129	1st	7-12	1st	7-39.1	2nd
6-130	1st	7-13	2nd	7-39.2	Original
6-130.1	Original*	7-13.1	5th	7-40	1st
6-130.2	Original*	7-13.2	2nd	7-41	1st
6-130.3	Original*	7-13.3	Original	7-42	Original
6-131	2nd	7-14	2nd	7-43	Original
6-132	1st	7-14.1	Original	7-44	Original
6-133	1st	7-14.2	1st	7-45	Original
6-134	1st	7-14.3	Original	7-46	Original
6-135	2nd	7-15	1st	7-47	Original
7-1	2nd	7-16	Original	7-48	Original
7-2	1st	7-17	Original	7-49	Original
7-3	2nd	7-18	Original	7-50	Original
7-3.1	6th	7-19	Original	7-51	Original
7-3.2	6th	7-20	Original	7-52	Original
7-3.2.1	2nd*	7-21	3rd	7-53	1st
7-3.2.2	Original	7-22	4th	7-54	1st
7-3.2.3	Original*	7-23	1st	7-55	Original
7-3.3	8th	7-24	1st	7-56	Original
7-3.3.1	3rd	7-25	1st	7-57	1st
7-3.3.2	1st	7-26	2nd	7-58	2nd
7-3.3.3	Original	7-27	3rd	7-58.1	5th
7-3.3.4	Original	7-27.1	Original	7-58.2	Original
7-3.3.5	Original*	7-27.2	1st	7-59	4th
7-3.4	11th	7-28	2nd	7-59.1	Original
7-3.4.1	3rd	7-29	1st	7-60	3rd
7-3.4.2	2nd*	7-30	2nd	7-61	2nd
7-3.4.3	Original	7-30.1	Original	7-61.1	2nd
7-3.4.4	Original	7-30.2	Original	7-61.2	4th
7-3.4.5	Original*	7-30.3	Original	7-61.3	Original
7-3.5	13th	7-30.4	Original	7-61.4	Original
7-3.5.1	3rd	7-31	1st	7-61.5	Original
7-3.5.2	Original	7-32	2nd	7-61.6	Original
7-3.5.3	Original	7-33	1st	7-61.7	Original
7-3.5.4	Original	7-34	2nd	7-62	2nd
7-3.5.5	Original*			7-63	Original

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15-12	Original	16-1.1.4	Original	16-27.1.1	Original
15-13	Original	16-1.1.5	Original*	16-27.1.2	Original
15-14	Original	16-1.2	Original	16-27.1.3	Original
15-15	Original	16-2	2nd	16-27.1.4	2nd
15-16	Original	16-3	Original	16-27.1.5	Original*
15-17	Original	16-4	1st	16-27.2	3rd
15-18	Original	16-4.1	Original	16-28	2nd
15-19	Original	16-5	1st	16-29	3rd
15-20	Original	16-5.1	Original	16-30	2nd
15-21	Original	16-6	2nd	16-31	2nd
15-22	1st	16-7	2nd	16-32	2nd
15-23	Original	16-8	1st	16-33	2nd
15-24	1st	16-8.1	Original	16-34	5th
15-25	1st	16-8.2	Original	16-35	2nd
15-26	1st	16-9	Original	16-36	6th
15-27	1st	16-10	Original	16-37	3rd
15-28	Original	16-11	Original	16-38	5th
15-29	Original	16-11.1	Original	16-38.1	Original
15-30	Original	16-11.2	Original	16-38.2	Original
15-31	Original	16-11.3	Original	16-38.3	Original
15-32	Original	16-11.4	Original	16-38.4	Original
15-33	Original	16-12	10th	16-38.5	Original
15-34	1st	16-12.1	3rd	16-38.6	Original
15-35	Original	16-12.2	1st	16-38.7	Original
15-35.1	Original	16-13	3rd	16-38.8	Original
15-36	Original	16-14	3rd	16-39	4th
15-37	1st	16-15	2nd	16-39.1	Original
15-38	1st	16-16	1st	16-40	3rd
15-39	Original	16-17	1st	16-40.1	1st
15-40	1st	16-18	Original	16-40.2	1st
15-41	Original	16-19	1st	16-40.3	1st
15-42	Original	16-20	1st	16-40.4	1st
15-43	Original	16-20.1	Original	16-40.5	2nd
15-44	Original	16-20.2	Original	16-40.5.0	Original
15-45	1st	16-20.3	1st	16-40.5.01	Original
15-46	Original	16-20.4	Original	16-40.5.02	Original
15-47	Original	16-20.5	Original	16-40.5.1	2nd
15-48	Original	16-21	3rd	16-40.5.2	1st
15-49	Original	16-22	Original	16-40.5.2.1	Original
15-50	Original	16-23	Original	16-40-5.2.2	Original
15-51	Original	16-24	1st	16-40.5.2.3	Original
15-52	Original	16-25	Original	16-40.5.3	1st
15-53	Original	16-26	1st	16-40.6	1st
15-54	Original	16-27	13th	16-40.7	2nd
15-55	1st	16-27.0	Original	16-40.7.1	Original
16-1	5th	16-27.0.1	Original	16-40.8	1st
16-1.1	3rd	16-27.0.2	Original	16-40.9	Original
16-1.1.1	Original	16-27.0.3	2nd		
16-1.1.2	Original	16-27.0.4	Original*		
		16-27.1	6th		
		16-27.1.1	Original		

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16-40.11	2nd	16-50.12	Original	16-78.3	Original
16-40.12	1st	16-50.13	Original	16-78.4	Original
16-40.12.1	Original*	16-50.14	Original	16-78.5	Original
16-40.12.2	Original*	16-50.15	Original	16-78.6	Original
16-40.12.3	Original*	16-51	2nd	16-78.7	Original
16-40.12.4	Original*	16-51.1	Original	16-78.8	Original
16-40.13	2nd	16-51.2	Original	16-78.9	Original
16-40.14	4th	16-52	2nd	16-78.10	Original
16-40.15	4th	16-52.1	Original	16-78.11	Original
16-40.16	2nd	16-53	Original	16-78.12	Original
16-40.17	2nd	16-54	Original	16-78.13	Original
16-40.18	2nd	16-55	1st	16-78.14	Original
16-40.19	2nd	16-55.1	Original	16-78.15	Original
16-40.20	2nd	16-55.2	1st	16-78.16	Original
16-40.21	2nd	16-55.3	Original	16-79	9th
16-40.22	2nd	16-56	Original	16-79.1	2nd
16-40.23	2nd	16-57	1st	16-79.2	Original
16-40.24	2nd	16-58	1st	16-80	3rd
16-40.25	2nd	16-59	1st	16-81	4th
16-40.26	Original	16-60	1st	16-81.1	2nd
16-40.27	Original	16-60.1	Original	16-82	3rd
16-40.28	Original	16-60.2	Original	16-83	5th
16-40.29	Original	16-60.3	Original	16-84	3rd
16-40.30	Original	16-61	6th	16-84.1	1st
16-40.31	Original	16-61.0	Original	16-85	3rd
16-41	6th	16-61.0.1	Original	16-86	4th
16-41.1	5th	16-61.0.2	Original	16-87	4th
16-41.2	2nd	16-61.0.3	Original	16-88	2nd
16-41.3	1st	16-61.0.4	Original*	16-89	4th
16-42	2nd	16-61.1	Original	16-90	2nd
16-43	1st	16-62	2nd	16-91	3rd
16-44	2nd	16-63	Original	16-92	3rd
16-45	2nd	16-64	Original	16-92.1	Original
16-46	2nd	16-65	Original	16-92.2	Original
16-47	1st	16-66	Original	16-93	2nd
16-48	1st	16-67	Original	16-94	2nd
16-49	2nd	16-68	Original	16-95	2nd
16-49.1	1st	16-69	Original	16-96	2nd
16-50	3rd	16-70	Original	16-97	2nd
16-50.1	2nd	16-71	3rd	16-98	2nd
16-50.2	2nd	16-72	1st	16-99	2nd
16-50.3	2nd	16-72.1	3rd	16-100	2nd
16-50.4	1st	16-72.1.1	Original	16-101	2nd
16-50.5	1st	16-72.2	Original	16-102	2nd
16-50.6	1st	16-73	2nd	16-103	Original
16-50.7	Original	16-74	Original	16-104	Original
16-50.8	Original	16-75	Original	16-105	Original
16-50.9	Original	16-76	Original	16-106	Original
16-50.10	Original	16-77	Original	16-107	Original
		16-78	1st	16-108	Original
		16-78.1	Original	16-109	Original
				16-110	Original

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**ACCESS SERVICE****EXPLANATION OF SYMBOLS**

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

**EXPLANATION OF ABBREVIATIONS**

ADA	- Abbreviated Dialing Arrangement	
ADM	- Add/Drop Multiplexing	
ADSL	- Asymmetric Digital Subscriber Line	
AML	- Actual Measured Loss	
ANI	- Automatic Number Identification	
AP	- Program Audio	
AT&T	- American Telephone and Telegraph Company	
ATM	- Asynchronous Transfer Mode	
ATM-CRS	- Synchronous Transfer Mode Cell Relay Access Service	
BHMC	- Busy Hour Minutes of Capacity	
CBR	- Constant Bit Rate	
CDP	- Customer Designated Premises	
CCS	- Common Channel Signaling	
CI	- Channel Interface	
CIR	- Committed Information Rate	
CN	- Charge Number	
CO	- Central Office	
Cont'd	- Continued	
CPE	- Customer Provided Equipment	
CPN	- Calling Party Number	
CSP	- Carrier Selection Parameter	
DA	- Directory Assistance	
dB	- decibel	
dBrnC	- Decibel Reference Noise C-Message Weighting	
dBrnC0	- Decibel Reference Noise C-Message Weighted O	
dc	- direct current	
DDD	- Direct Distance Dialing	
DSL	- Digital Subscriber Line	
EAS	- Extended Area Service	
EDD	- Envelope Delay Distortion	
EML	- Expected Measured Loss	
EPL	- Echo Path Loss	
ERL	- Echo Return Loss	
ESALT	- Ethernet Switched Access Local Transport	(N)
ESS	- Electronic Switching System	
ESSX	- Electronic Switching System Exchange	
f	- frequency	
F.C.C.	- Federal Communications Commission	

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2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.11 Jurisdictional Report and Certification Requirements (Cont'd)

(C) Jurisdictional Reports - Switched Access (Cont'd)

(2) Use of PIU Factors (Cont'd)

(iii) For terminating Feature Group D access minutes used in conjunction with Ethernet Switched Access Local Transport as described in Section 6.1.1(A) following, or Internet Protocol Gateway Access Service (IPG) as described in Section 16.9, following, the Telephone Company will apply a default PIU of 50% to the customer's terminating access minutes.

(C)  
(C)  
(C)

The Telephone Company developed PIU factor(s) described in this section will only be used for minutes of use for which the Telephone Company does not have sufficient call detail to determine the jurisdiction until such time as the customer provides updated PIU factor(s) for these services.

(b) Separate PIUs are required for flat rated Entrance Facilities, Direct Trunked Transport Facilities, and Switched Access Services Optional Features and Functions. The PIU factor(s) for use with such flat rated elements will reflect the combination of originating and terminating traffic of all services using such facilities.

If the customer fails to provide a PIU factor on its order for service, the Telephone Company will apply the PIU factor it developed pursuant to (2)(a), above, against the customer's flat rated Switched Access Services to apportion those charges between the jurisdictions.

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**ACCESS SERVICE**2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.4 Credit Allowance for Service Interruptions (Cont'd)(B) When a Credit Allowance Applies (Cont'd)

Credit allowances are computed as follows:

- (1) Special Access Service other than Program Audio and Video, flat rated Switched Access Service and Digital Subscriber Line Access Service rate elements

Except as provided in Section 6.9.3(E), following, for Ethernet Switched Access Local Transport Real Time Class of Service/Quality of Service and Section 16.4.4(A)(3), following, for Ethernet Transport Service Real Time Class of Service/Quality of Service, for Special Access Services other than Program Audio and Video Services, and for flat rated Switched Access Service rate elements (i.e., Entrance Facility, Direct Trunked Transport and Multiplexing, Add/Drop Multiplexing, Customer Node, and Customer Premises Port) and for Digital Subscriber Line Access Service, no credit shall be allowed for an interruption of less than 30 minutes. The customer shall be credited for an interruption of 30 minutes or more at the rate of 1/1440 of the monthly charges for the facility or service for each period of 30 minutes or Major Fraction Thereof that the interruption continues.

(C)  
—  
(C)

The monthly charges used to determine the credit shall be as follows:

- (a) Two-point Services

For two-point services, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., two channel terminations, channel mileage and optional features and functions).

- (b) Multipoint Services

For multipoint services, the monthly charge shall be only the total of all the monthly rate element charges associated with that portion of the service that is inoperative (i.e., a channel termination per customer designated premises, channel mileage and optional features and functions).

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

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

(1) Special Access Service other than Program Audio and Video and flat rated Switched Access Service and Digital Subscriber Line rate elements (Cont'd)

(d) Flat Rated Switched Access Service and Digital Subscriber Line Access Service rate elements

Except as provided for in Section 6.9.3(E), following, for Ethernet Switched Access Local Transport Real Time Class of Service/Quality of Service, for flat rated Switched Access Service rate elements, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., Entrance Facility, Direct Trunked Transport and Multiplexing). For flat rated Digital Subscriber Line Access Service, the monthly charge shall be the total of the monthly rate element charge for the Digital Subscriber Line Access Service.

(C)  
|  
(C)

(e) Public Packet Data Network Services

Except as provided for in Section 16.4.4(A)(3), following, for Ethernet Transport Service Real Time Class of Service/Quality of Service, for Public Packet Data Network Services rate elements, the monthly charge shall be the total of all monthly rate element charges associated with the services.

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Certain material currently on this page formerly appeared on 2nd Revised Page 2-37

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**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.7 Access Services Provided by More Than One Telephone Company

(B) Meet Point Billing (Cont'd)

(2) Multiple Bill Option (Cont'd)

- prepare its own bill;
- determine its charge(s) for Local Transport, Directory Transport, and/or Channel Mileage as set forth in (3) following;
- determine and include all recurring and nonrecurring rates and charges of its access tariff;
- reflect its Billing Account Reference (BAR) and all connecting company Billing Account Cross Reference (BACR) code(s);
- forward its bill to the customer.

The customer will remit payment directly to each Bill Rendering Company.

(3) Determination of Meet Point Billed Local Transport and Channel Mileage Charges

Except as specified in (j) below for Ethernet Switched Access Local Transport, each Telephone Company's portion of the Local Transport and Channel mileage will be developed as follows:

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- (a) Determine the appropriate Local Transport or Channel Mileage by computing the number of airline miles between the Telephone Company premises (end office, access tandem or serving wire centers for

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**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.7 Access Services Provided by More than One Telephone Company

(B) Meet Point Billing (Cont'd)

(3) Determination of Meet Point Billed Local Transport and Channel Mileage Charges (Cont'd)

(i) Example 2 - Switched Access (Cont'd)

- Telephone Company A charges are:

End Office charges  
= 9,000 min. x EO rate

Tandem Switched Facility charge  
= 9,000 min. x 23 mi. x TSF rate x 80%

Tandem Switched Termination charge  
= 1 termination x 9,000 min. x TST rate

(j) For Ethernet Switched Access Local Transport (ESALT):

- When ESALT is jointly provided with a Telephone Company in an adjacent operating territory, each of the two Telephone Companies involved (i.e., the company with the ESALT SWC and the company with the SWC serving the customer designated premises) will bill one ESALT Direct Trunked Termination (ESALT DTT) monthly rate element, one ESALT Direct Trunked Facility (ESALT DTF)-E2 monthly rate element, one ESALT DTT nonrecurring charge and one Access Order Charge. The company with the SWC serving the customer designated premises will also bill the customer the applicable monthly and nonrecurring charges for the ESALT Entrance Facility (EF) rate element.
- When ESALT is jointly provided with a Telephone Company in a non-adjacent operating territory and the airline distance between the ESALT SWC and the SWC serving the customer designated premises is 50 airline miles or less as measured using the V&H coordinates method, each of the two

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**ACCESS SERVICE**2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.7 Access Services Provided by More than One Telephone Company(B) Meet Point Billing (Cont'd)(3) Determination of Meet Point Billed Local Transport and Channel Mileage Charges (Cont'd)

## (j) For Ethernet Switched Access Local Transport (ESALT): (Cont'd)

Telephone Companies involved (i.e., the company with the ESALT SWC and the company with the SWC serving the customer designated premises) will bill one ESALT DTT monthly rate element, one ESALT DTF-E3 monthly rate element, one ESALT DTT nonrecurring charge and one Access Order Charge. The company with the SWC serving the customer designated premises will also bill the customer the applicable monthly and nonrecurring charges for the ESALT Entrance Facility (EF) rate element.

- When ESALT is jointly provided with a Telephone Company in a non-adjacent operating territory and the airline distance between the ESALT SWC and the SWC serving the customer designated premises is between 51 and 75 airline miles as measured using the V&H coordinates method, each of the two Telephone Companies involved (i.e., the company with the ESALT SWC and the company with the SWC serving the customer designated premises) will bill one ESALT DTT monthly rate element, one ESALT DTF-E4 monthly rate element, one ESALT DTT nonrecurring charge and one Access Order Charge. The company with the SWC serving the customer designated premises will also bill the customer the applicable monthly and nonrecurring charges for the ESALT Entrance Facility (EF) rate element.

The applicable monthly and nonrecurring charges will be based on the ESALT bandwidth capacity ordered by the customer.

When required, charges for Tandem Switched Transport mileage between the ESALT SWC and end office(s) will be determined based on the provisions in (a) through (c) above.

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**ACCESS SERVICE**5. Access Ordering (Cont'd)5.2 Ordering Requirements5.2.1 Switched Access Service

Except as provided for in Section 5.2.1(E), following, when ordering Switched Access service, the customer must specify whether the service is to be provided as (1) Direct Trunked Transport to the end office, (2) Direct Trunked Transport to a tandem which connects with Tandem Switched Transport from the tandem to the end office or (3) Tandem Switched Transport to the end office. When all or a portion of service is ordered as Direct Trunked Transport, the customer must specify the type and quantity of Direct Trunked Transport facility (e.g., Voice Grade or High Capacity DS1 or DS3).

Except as provided for in Section 5.2.1(E), following, the Customer must also specify the type of Entrance Facility to be used for Switched Access (e.g., Voice Grade or High Capacity). For High Capacity Entrance Facilities, the customer must specify the facility assignment and the channel assignment for each trunk.

With the exception of Ethernet Switched Access Local Transport (ESALT) Direct Trunked Transport, Direct Trunked Transport is available at all tandems and at all end offices except those end offices identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4 as not having the capability to provide Direct Trunked Transport. ESALT Direct Trunked Transport is only available at those suitably equipped tandems and end offices identified by the Telephone Company in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4. Direct Trunked Transport is not available: (1) from end offices that provide equal access through a Centralized Equal Access arrangement, or (2) from end offices that lack recording or measurement capability. (C) (C) (C) | (C)

Normally, Direct Trunked Transport of originating 800 calls from an end office is available only from Service Switching Point (SSP) equipped end offices. However, certain non-SSP equipped end offices can accommodate direct trunking of originating 800 calls. These end offices are also identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC., TARIFF F.C.C. No. 4.

When the customer has both Tandem Switched Transport and Direct Trunked Transport at the same end office, the customer will be provided Alternate Traffic Routing as set forth in 6.4.6 following.

At the customer's request, its Local Transport may be connected to the Entrance Facility of another customer, providing the other customer submits a Letter of Authorization for this connection and assumes full responsibility for the cost of the Entrance Facility.

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**ACCESS SERVICE**5. Access Ordering (Cont'd)5.2 Order Requirements (Cont'd)5.2.1 Switched Access Service (Cont'd)(C) Feature Group C, Feature Group D, Interim NXX Translation, Operator Transfer Service and SS7 Signaling

The ordering requirements for Feature Group D Switched Access Service used in conjunction with Internet Protocol Gateway Access Service are specified in Section 5.2.1(E), following. The ordering requirements for Feature Group D Switched Access Service used in conjunction with ESALT are specified in section 5.2.1(F), following.

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When placing an order for Feature Group C and D Switched Access Service, the customer shall provide:

- The number of BHMC from the customer designated premises to the end office or Operator Transfer Service location by Feature Group and by type of BHMC or
- The number of trunks desired between customer designated premises and an entry switch or Operator Transfer Service location;
- The number of BHMC or trunks required for or to be converted to an SS7 Signaling capability;
- Optional Features;
- Interim NXX Translation options;
- Operator Transfer Service option;
- A projected Percentage of Interstate Use (PIU) as set forth in 2.3.11 preceding; and
- For Feature Group D switched access service to a Wireless Switching Center (WSC) directly interconnected to a Telephone Company access tandem office, the customer shall provide information to the Telephone Company indicating the NXX code(s) to be accessed.

When BHMC information is provided it is used to determine the number of transmission paths as set forth in 6.2.5 following.

The BHMC may be determined by the customer in the following manner. For each day (8 am to 11 pm, Monday through Friday, excluding national holidays), the customer shall determine the highest number of minutes of use for a single hour (e.g., 55 minutes in the 10-11 a.m. hour). The customer shall, for the same hour period (i.e., busy hour) for each of twenty consecutive business days, pick the 20 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 20 business day period by 20. This computation shall be performed for each end office the customer wishes to serve. These determinations thus establish the forecasted BHMC for each end office.

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**ACCESS SERVICE**

5. Access Ordering (Cont'd)

5.2 Ordering Requirements (Cont'd)

5.2.1 Switched Access Service (Cont'd)

(C) Feature Group C, Feature Group D, Interim NXX Translation Operator Transfer Service And SS7 Signaling (Cont'd)

For the Operator Transfer Service Option ordered in conjunction with Feature Group C or Feature Group D Switched Access Service as set forth in 6.7.1 and 6.8.1 following, the customer must specify the number of trunks or BHMCs desired between its premises and the Telephone Company operator services location.

Operator Transfer Service is provided at operator services locations as set forth in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4.

(D) SS7 Optional Feature

When Feature Group C or D is ordered with the SS7 optional feature, in addition to information listed in 5.2.1(C) preceding, the customer shall specify a reference to existing signaling connections or reference a related SS7 signaling connection order. When ordering SS7 signaling, the customer shall provide the Signaling Transfer Point codes, location identifier codes and circuit identifier codes. In addition, the customer shall work cooperatively with the Telephone Company to determine the number of SS7 signaling connections required to handle its signaling traffic.

For 800 Data Base Access Service, as described in 6.1.3(A) & (C) following, the customer must order FGC or FGD to those access tandems or end offices designated as Service Switching Points (SSP) for 800 data base service or to those non-SSP equipped end offices that can accommodate direct trunking of originating 800 calls. SSP equipped end offices and access tandems and non-SSP equipped end offices that can accommodate direct trunking of originating 800 calls are designated in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4, WIRE CENTER INFORMATION. All traffic originating from end offices not equipped to provide SS7 signalling and routing or not able to accommodate direct trunking of originating 800 calls require routing via an access tandem where SSP functionality is available.

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**ACCESS SERVICE**5. Access Ordering (Cont'd)5.2 Ordering Requirements (Cont'd)5.2.1 Switched Access Service (Cont'd)(E) Internet Protocol Gateway Access Service

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When placing an order for Feature Group D Switched Access Service for use in conjunction with Internet Protocol Gateway Access Service (IPG) as described in Section 16.9, following, the customer shall provide:

- the number of BHMC between the IPG gateway SWC and each end office to which the IPG customer wants to terminate interexchange voice traffic originated on its IP based network and/or receive interexchange voice traffic originated on the Telephone Company's network and
- a projected Percentage of Interstate Use (PIU) as set forth in Section 2.3.11, preceding.

BHMC information is used to determine the number of transmission paths as set forth in Section 6.2.5, following.

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(F) Ethernet Switched Access Local Transport

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When placing an order for Ethernet Switched Access Local Transport (ESALT) and required Feature Group D Switched Access Service as described in Section 6.1, following, the customer must specify:

- The customer designated premises;
- The number and bandwidth capacity for each ESALT Entrance Facility and, where required, the number, type and bandwidth capacity for each ESALT Direct Trunked Facility, ESALT Direct Trunked Termination and ESALT Class of Service/Quality of Service;
- The type of signaling interface and bearer channel format requested that are compatible with the Technical Reference transmission standards listed in Section 6.1.1(A), following;
- The number of BMHC between the ESALT SWC and each end office to which the customer wants to terminate interexchange voice traffic originated on its IP based network and/or receive interexchange voice traffic originated on the Telephone Company's network; and
- A projected Percentage of Interstate Use (PIU) as set forth in Section 2.3.11, preceding.

BHMC information is used to determine the number of transmission paths as set forth in Section 6.2.5, following.

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**ACCESS SERVICE**5. Access Ordering (Cont'd)5.2 Ordering Requirements (Cont'd)5.2.3 WATS or WATS-Type Services

Special Access Service may be ordered for connection with FGA, FGB, FGC or FGD Switched Access Service at Telephone Company designated WATS Serving Offices (WSOs) for the provision of WATS or WATS-type Services and may be ordered separately by a customer other than the customer which orders the FGA, FGB, FGC or FGD Switched Access Service. For the Special Access Service the customer shall specify:

- the customer designated premises at which the Special Access service terminates;
- the type of line (i.e., two-wire or four-wire);
- the type of calling (i.e., originating, terminating or two-way); and
- type of Supervisory Signaling.

When the optional screening, switching and/or recording functions are not provided at the customer serving wire center, Channel Mileage, as set forth in 7.2.1 following, must be ordered between that wire center and the nearest WSO where the screening, switching and/or recording functions can be provided.

5.2.4 Mixed Use Facilities - Switched and Special Access

Mixed use is the provision of both Switched and Special Access Services over the same High Capacity facilities. Mixed use facilities to a hub will be ordered and provided as Special Access Service. Where mixed use is employed, individual services utilizing these facilities must be ordered either as Switched Access Service or Special Access Service as further elaborated and set forth in 6.4.7 and 7.2.7 following. When placing the order for the individual service(s), the customer must specify a channel assignment for each service ordered.

Mixed use is also the provision of both Ethernet Switched Access Local Transport (ESALT) and Ethernet Transport Service (ETS) over the same Ethernet Transport Service facilities. Mixed use facilities to an ETS SWC will be ordered and provided as Ethernet Transport Service. Where mixed use is employed, individual services utilizing these facilities must be ordered either as ESALT or ETS as set forth in Sections 6.4.7 and 16.4.4(D), following.

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7852 Walker Drive, Greenbelt, Maryland 20770

**ACCESS SERVICE**5. Access Ordering (Cont'd)5.5 Minimum Periods and Cancellations5.5.1 Minimum Periods

The minimum period for part-time Video and Program Audio Special Access Services is one day even though the service will be provided only for the duration of the event specified on the order (e.g., 1/2 hour, 2 hours, 5 hours, etc.).

The minimum period for Switched Access High Capacity DS3 Entrance Facilities and Direct Trunked Transport is as set forth in 6.1.3 following. The minimum period for Ethernet Switched Access Local Transport is as set forth in Section 6.1.3(A)(2) following. The minimum period for High Capacity DS1 and DS3 Special Access Services and the Frame Relay Access Service 1.544 Mbps Port is as set forth in 7.2.8 following. The minimum period for Asynchronous Transfer Mode Cell Relay Access Service is as set forth in Section 16.7.4(C), following. The minimum period for Ethernet Transport Service is as set forth in Section 16.4.5(C), following. The minimum period for Internet Protocol Gateway Access Service is as set forth in Section 16.9.4(C), following.

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Switched Access usage rate services (i.e., End Office Common Line, Tandem Switched Transport, and Residual Interconnection Charge) have no minimum period. The minimum period for which all other Access Service is provided and for which charges are applicable, is one month.

5.5.2 Development of Minimum Period Charges

When Access Service is disconnected after commencement of service but 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.

The Minimum Period Charge for monthly billed services will be determined as follows:

- (A) For Switched Access Service, the charge for a month or fraction thereof is equal to the applicable recurring charges plus any nonrecurring and/or Special Construction charge(s) that may be due; and
- (B) For Special Access Service, flat rated Switched Access Service and Public Packet Data Network Service the charge for a month or fraction thereof is the applicable monthly rates for the appropriate channel type plus any optional features, nonrecurring and/or special construction charge(s) that may apply.

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Description and Provision of Switched Access Service Arrangements

(A) Description

Switched Access Service is provided in four different Feature Group arrangements which are service categories of standard and optional features. These are differentiated by their technical characteristics, e.g., line side vs. trunk side connection at the Telephone Company first point of switching. They are also differentiated by optional feature availability and the manner in which the end user accesses them in originating calling, e.g., with or without access codes of various lengths and digits.

Except as provided in Section 6.8.1(M), following, the provision of each Feature Group requires Local Transport facilities including an Entrance Facility where required and the appropriate End Office functions. In addition, Special Access Service may, at the option of the customer, be connected with Feature Groups A, B, C, or D at Telephone Company designated WATS Serving Offices. In addition, IPG may, at the option of the customer, be connected with Feature Group D at Telephone Company designated IPG SWCs.

Where suitable facilities exist, the Ethernet Switched Access Local Transport (ESALT) option enables the customer to handoff IP formatted traffic to the Telephone Company at the designated end office, host office or tandem office location where the Telephone Company will convert the customer's traffic to TDM format for termination to local exchange service end users over the Telephone Company's local network. This option also enables the Telephone Company to convert traffic originated from its local exchange service end users from TDM format to IP format at the designated end office, host office or tandem office and handoff that IP formatted traffic to the customer designated premises.

There are three specific transmission specifications (i.e., Types A, B and C) that have been identified for the provision of Feature Groups. Except as specified below for ESALT, the technical specifications for the Entrance Facility and Direct Trunked Transport are the same as those set forth in Section 7 following for Voice Grade, High Capacity and Synchronous Optical Channel Services. The specifications provided are dependent on the Interface Group and the routing of the service, i.e., whether the service is routed directly to the end office or via an access tandem. The parameters for the transmission specifications are set forth in 15.1.2 following.

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**ACCESS SERVICE**6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.1 Description and Provision of Switched Access Service Arrangements(A) Description (Cont'd)

The technical specifications for the ESALT Entrance Facility and Direct Trunked Transport are as set forth in the Technical References listed below. The transmission quality of ESALT is not guaranteed and is offered to customers at a best effort level.

- IEEE Standard 802.3 – 2008;
- IETF RFC 3261 – June 2002;
- IETF RFC 3262 - June 2002;
- IETF RFC 3263 – June 2002;
- IETF RFC 3264 – June 2002;
- IETF RFC 3265 – June 2002;
- IETF RFC 3550 – July 2003;
- ITU-T G.711 – November 1988;
- ITU-T G.723.1 – May 2006;
- ITU-T G.729 – January 2007;
- ITU-T G.7041/Y.1303 – August 2005;
- ITU-T G.8040/Y.1340 – September 2005;
- ITU-T H.225.0 – May 2006;
- ITU-T H.245 – June 2008; and/or
- ITU-T H.323 – June 2006.

The specifications provided are dependent on the Interface Group and the routing of the service, i.e., whether the service is routed directly to the end office or via an access tandem. The parameters for the transmission specifications are set forth in Section 15.1.2, following.

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**ACCESS SERVICE**6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.1 Description and Provision of Switched Access Service Arrangements (Cont'd)(B) Manner of Provision

Switched Access is furnished in either quantities of lines or trunks, or in busy hour minutes of capacity (BHMCs). FGA Access and FGB Access are furnished on a per-line or per-trunk basis respectively. FGC Access and FGD Access are furnished on a BHMC basis and on a per trunk basis as set forth in 5.2 preceding. ESALT may only be used in conjunction with FGD Access.

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BHMCs are differentiated by type and directionality of traffic carried over a Switched Access Service arrangement. Differentiation of traffic among BHMC types is necessary for the Telephone Company to properly design Switched Access Service to meet the traffic carrying capacity requirement of the customer.

There are three major BHMC categories identified as: Originating, Terminating and Directory Assistance. Originating BHMCs represent access capacity within a LATA for carrying traffic from the end user to the customer or when used in conjunction with Internet Protocol Gateway Access Service, Originating BHMCs represent capacity within the operating territory of the Telephone Company for carrying traffic between the end user and an IPG SWC; Terminating BHMCs represent access capacity within a LATA for carrying traffic from the customer to the end user; or when used in conjunction with Internet Protocol Gateway Access Service, Terminating BHMCs represent capacity within the operating territory of the Telephone Company for carrying traffic between the end user and an IPG SWC; and, Directory Assistance BHMCs represent access capacity within a LATA for carrying Directory Assistance traffic from the customer to a Directory Assistance location. When ordering capacity for FGC Access or FGD Access in BHMCs, the customer must at a minimum specify such access capacity in terms of Originating BHMCs and/or Terminating BHMCs.

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Local Transport

The Local Transport rate category establishes the charges related to the transmission and tandem switching facilities between the customer designated premises and the end office switch(es), which may be a Remote Switching Module(s) or WATs Serving Office, where the customer's traffic is switched to originate or terminate the customer's communications. When used in conjunction with IPG as specified in Section 16.9, following, the Local Transport rate category establishes the charges related to the transmission and tandem switching facilities between the IPG SWC and the end office switch(es) to terminate the customer's communications. Mileage measurement rules are set forth in Section 6.4.6, following and in this section.

Local Transport is a two-way voice frequency transmission path composed of facilities determined by the Telephone Company. The two-way voice frequency transmission path permits the transport of calls in the originating direction (from the end user end office switch to the customer designated premises) and in the terminating direction (from the customer designated premises to the end office switch), but not simultaneously. The voice frequency transmission path may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz. The customer must specify the choice of facilities (i.e., Voice Grade 2 or 4 wire or High Capacity DS1 or DS3, Synchronous Optical Channel OC3 or OC12 or ESALT 2 Mbps, 10 Mbps, or 50 Mbps) to be used in the provision of the Direct Trunked Transport or Entrance Facility.

High Capacity DS1 or DS3, Synchronous Optical Channel and ESALT facilities are only available at wire centers identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4, WIRE CENTER INFORMATION.

Except when ordering ESALT or Local Transport associated with IPG, the customer must specify when ordering (1) whether the service is to be directly routed to an end office switch or through an access tandem switch, and (2) the type of Direct Trunked Transport and whether it will overflow to Tandem Switched Transport when service is directly routed to an end office, (3) the type of Entrance Facility, (4) the directionality of the service, and (5) when multiplexing is required, the hub(s) at which the multiplexing will be provided. When ordering ESALT, the customer must specify: (1) the ESALT-equipped SWC and (2) the end office switch(es) to which the customer wants to terminate interexchange voice traffic originated on its IP based network and/or receive interexchange voice traffic originated on the Telephone Company's network. When ordering Local Transport associated with IPG, the customer must specify when ordering (1) the IPG switch and (2) the end office switch(es) to which the IPG customer wants to terminate interexchange voice traffic originated on its IP based network and/or receive interexchange voice traffic originated on the Telephone Company's network.

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Local Transport (Cont'd)

Local Transport is provided at the rates and charges set forth in 17.2.2 following. The application of these rates with respect to individual Feature Groups is as set forth in 6.4.1(C) following .

When more than one Telephone Company is involved in providing the Switched Access Service, the Local Transport rates are applied as set forth in 2.4.7 preceding.

The Local Transport Rate Category includes the following classes of rate elements: (1) Entrance Facility, (2) Direct Trunked Transport, (3) Tandem Switched Transport, (4) Multiplexing, (5) Add/Drop Multiplexing, (6) Customer Node, (7) Interface Groups, (8) Nonchargeable Optional Features, and (9) Chargeable Optional Features. (T)  
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(1) Entrance Facility

The Entrance Facility recovers a portion of the costs associated with a communications path between a customer designated premises and the serving wire center of that premises. Included as part of the Entrance Facility is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the customer designated premises and the type of signaling capability, if any.

Eight types of Entrance Facility are available: (1) Voice Grade 2 or 4 wire (an analog channel with an approximate bandwidth of 300 to 3000 Hz), (2) High Capacity DS1 (an isochronous serial digital channel with a rate of 1.544 Mbps) (3) High Capacity DS3 (and isochronous serial digital channel with a rate of 44.736 Mbps), (4) Synchronous Optical Channel OC3-a synchronous optical channel with a rate of 155.52 Mbps, (5) Synchronous Optical Channel OC12-a synchronous optical channel with a rate of 622.08 Mbps, (6) ESALT 2 Mbps (an Ethernet packet based channel with a rate of 2 Mbps), (7) ESALT 10 Mbps (an Ethernet packet based channel with a rate of 10 Mbps and (8) ESALT 50 Mbps (an Ethernet packet based channel with a rate of 50 Mbps). The minimum period for which a High Capacity DS3, Synchronous Optical Channel or Ethernet Switched Access Local Transport Entrance Facility is provided is twelve months. (C)  
(C)

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**ACCESS SERVICE**6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Local Transport (Cont'd)(1) Entrance Facility (Cont'd)

One charge applies for each Entrance Facility that is terminated at a customer designated premises. This charge specified in Section 17.2.2 following will apply even if the customer designated premises and the serving wire center are collocated in a Telephone Company building.

A customer's Local Transport may be connected to the Entrance Facility of another customer, providing the other customer submits a letter of authorization for this connection and assumes full responsibility for the cost of the Entrance Facility.

(2) Direct Trunked Transport

The Direct Trunked Transport rate elements recover a portion of the cost associated with a communications path or circuits dedicated to the use of a single customer between:

- the serving wire center and an end office,
- the serving wire center and a tandem,
- the serving wire center and a hub,
- a hub and an end office,
- the serving wire center and an ADM equipped wire center where add/drop multiplexing functions are performed,
- an ADM equipped wire center and an end office.

Except as specified above for High Capacity DS3, Synchronous Optical Channel and Ethernet Switched Access Local Transport, Direct Trunked Transport is available to all tandems and to all end offices except those end offices identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4, WIRE CENTER INFORMATION as not having the capability to provide Direct Trunked Transport.

Direct Trunked Transport is not available: (1) from end offices that provide equal access through a centralized equal access arrangement, (2) from end offices that lack recording or measurement capability.

Normally, Direct Trunked Transport of originating 800 series type calls from an end office is available only from Service Switching Point (SSP) equipped end offices. However, certain non-SSP equipped end offices can accommodate direct trunking of originating 800 series type calls. These end offices are also identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC., TARIFF F.C.C. No. 4.

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Local Transport (Cont'd)

(2) Direct Trunked Transport (Cont'd)

Eight types of Direct Trunked Transport are available: (1) Voice Grade (an analog channel with an approximate bandwidth of 300 to 3000 Hz), (2) High Capacity DS1 (an isochronous serial digital channel with a rate of 1.544 Mbps), and (3) High Capacity DS3 (an isochronous serial digital channel with a rate of 44.736 Mbps), (4) Synchronous Optical Channel OC3-a synchronous optical channel with a rate of 155.52 Mbps, (5) Synchronous Optical Channel OC12-a synchronous optical channel with a rate of 622.08 Mbps, (6) ESALT 2 Mbps (an Ethernet packet based channel with a rate of 2 Mbps), (7) ESALT 10 Mbps (an Ethernet packet based channel with a rate of 10 Mbps) and (8) ESALT 50 Mbps (an Ethernet packet based channel with a rate of 50 Mbps). The minimum period for which a High Capacity DS3 or Ethernet Switched Access Local Transport Direct Trunked Transport is provided is twelve months.

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(C)

High Capacity DS3 Direct Trunked Transport can not be terminated at end offices that are not identified as hub offices that provide DS3 to DS1 multiplexing. Synchronous Optical Channel Service OC3 or OC12 Direct Trunked Transport can not be terminated as end offices that are not identified as ADM equipped wire centers that provide OC3 to DS1 or OC12 to OC3 Add/Drop Multiplexing. ESALT 2 Mbps, 10 Mbps or 50 Mbps Direct Trunked Transport can not be terminated at end offices, host offices or tandem offices that are not identified as ESALT-equipped wire centers in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4, WIRE CENTER INFORMATION. Additionally, DS1 Direct Trunked Transport can not be terminated at end offices that are not identified as hub offices that provide DS1 to Voice Grade multiplexing or are not electronic end offices. Offices that provide multiplexing and add/drop multiplexing functions are identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4, WIRE CENTER INFORMATION.

(C)  
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(C)

Except as specified below for ESALT, Direct Trunked Transport rates consist of a Direct Trunked Facility rate specified in Section 17.2.2 following which is applied on a per mile basis and a Direct Trunked Termination rate which is applied at each end of each measured segment of the Direct Trunked Facility (e.g., at the end office, hub, tandem, and serving wire center).

(C)

Certain material previously found on this page now appears on Original Page 6-10.1.3.

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Local Transport (Cont'd)

(2) Direct Trunked Transport (Cont'd)

Direct Trunked Transport rates for ESALT consist of: 1) an ESALT Direct Trunked Facility (DTF) rate specified in Section 17.2, following, which is applied on a per facility basis based on the capacity ordered by the customer (i.e., 2 Mbps, 10 Mbps or 50 Mbps) and on whether the ESALT DTF is provided entirely within the Telephone Company's operating territory or jointly provided with another telephone company to a serving wire center located outside of the Telephone Company's operating territory and 2) an ESALT Direct Trunked Termination (DTT) rate specified in Section 17.2, following, which is applied at each end of the ESALT DTF (i.e., at the serving wire center serving the customer's designated premises and either the end office, host office, or tandem office) at the same capacity as the capacity of the associated ESALT Direct Trunked Facility segment.

The type of ESALT Direct Trunked Facility required will depend upon the configuration of the customer's service as follows:

- ESALT DTF-E1 is required when the ESALT SWC and SWC serving the customer designated premises are located within the Telephone Company's operating territory.
- ESALT DTF-E2 is required when the customer designated premises is located outside of the Telephone Company's operating territory in an adjacent operating territory and the ESALT is jointly provided with another telephone company.

(N)

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Transmittal No. 197

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Local Transport (Cont'd)

(2) Direct Trunked Transport (Cont'd)

- ESALT DTF-E3 is required when the customer designated premises is located outside of the Telephone Company's operating territory in a non-adjacent operating territory where the airline distance between the ESALT SWC and SWC serving the customer designated premises is 50 airline miles or less and the ESALT is jointly provided with another telephone company.
- ESALT DTF-E4 is required when the customer designated premises is located outside of the Telephone Company's operating territory in a non-adjacent operating territory where the airline distance between the ESALT SWC and SWC serving the customer designated premises is between 51 and 75 airline miles and the ESALT is jointly provided with another telephone company. When the customer designated premises is located in a non-adjacent operating territory, ESALT is not available when the airline distance between the SWC serving the customer designated premises and the ESALT SWC is greater than 75 airline miles.

(N)

(N)

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Local Transport (Cont'd)

(2) Direct Trunked Transport (Cont'd)

When the Direct Trunked Facility mileage is zero, neither the Direct Trunked Facility rate nor the Direct Trunked Termination rate will apply.

The minimum period for which High Capacity DS3, Synchronous Optical Channel or Ethernet Switched Access Local Transport Direct Trunked Transport is provided is twelve months.

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Certain material on this page formerly appeared on 1st Revised Page 6-10.1

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**ACCESS SERVICE**6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Local Transport (Cont'd)(2) Direct Trunked Transport (Cont'd)

The Direct Trunked Facility rate recovers a portion of the costs of transmission facilities, including intermediate transmission network equipment, between the end points of the interoffice circuits. (C)

The Direct Trunked Termination rate specified in Section 17.2.2 following recovers a portion of the costs of the network equipment that is necessary for the termination of each end of the Direct Trunked Facility. (C)

(3) Tandem Switched Transport

The Tandem Switched Transport rate elements recover tandem switching costs and a portion of the costs associated with the communications path between a tandem and an end office on circuits that are switched at a tandem switch, or between a host and a remote switch.

Tandem Switched Transport rates consist of a Tandem Switching rate, a Tandem Switched Facility rate, and a Tandem Switched Termination rate. The Tandem Switching rate is applicable at the Tandem, when a customer orders Direct Trunk Transport to the tandem and Tandem Switched Transport from the tandem to the end office.

In those instances where an SSP equipped end office is capable of handling 800 SAC Traffic on a direct trunked basis but incapable of handling 888 SAC traffic on a direct trunked basis, a full credit will be provided for Tandem Switched Transport Charges associated with FGC and FGD service for 888 SAC traffic delivered at the tandem.

This results in all 800 series traffic being rated as direct trunked transport regardless of whether the SSP equipped end office is capable of handling 888 SAC traffic on a direct trunked basis. Those SSP equipped end offices that cannot accommodate direct trunking of originating 888 SAC traffic are identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4, WIRE CENTER INFORMATION.

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**ACCESS SERVICE**6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Local Transport (Cont'd)(4) Multiplexing (T)

DS3 to DS1 Multiplexing charges specified in Section 17.2.2 following apply when a High Capacity DS3 Entrance Facility or High Capacity DS3 Direct Trunked Facility is connected with High Capacity DS1 Direct Trunked Transport. The DS3 to DS1 multiplexer will convert a 44.736 Mbps channel to 28 DS1 channels using digital time division multiplexing. DS1 to Voice Grade Multiplexing charges apply when a High Capacity DS1 Entrance Facility or High Capacity DS1 Direct Trunked Facility is connected with Voice Grade Direct Trunked Transport. However, a DS1 to Voice Grade Multiplexing charge does not apply when a High Capacity DS1 Entrance Facility or High Capacity DS1 Direct Trunked Transport is terminated at an electronic end office and only Switched Access Service is provided over the DS1 facility (i.e., Voice Grade Special Access channels are not derived). The DS1 to Voice Grade multiplexer will convert a 1.544 Mbps channel to 24 Voice Grade channels.

Multiplexing is only available at wire centers identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C NO. 4, WIRE CENTER INFORMATION.

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**ACCESS SERVICE**6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Local Transport (Cont'd)(5) Add/Drop Multiplexing

Add/Drop Multiplexing provides a type of multiplexing function in connection with Synchronous Optical Channel Service that allows lower level signals to be added or dropped from a high speed optical carrier channel within a Telephone Company wire center.

The Add/Drop Multiplexing Central Office Port charge specified in Section 17.2.2, following, applies to the interface provided at a Telephone Company wire center for the purpose of adding or dropping lower capacity services from Synchronous Optical Channel Entrance Facilities or Direct Trunked Transport. Central Office Ports are available at the following speeds:

<u>Central Office Port</u>	<u>Speed</u>
OC3	155.52 Mbps
DS3	44.736 Mbps
DS1	1.544 Mbps

OC12 service may only be multiplexed to OC3 channels.

When an OC3 channel is derived from an OC12 service and is further multiplexed to obtain DS3 service, a DS3 port charge will apply in addition to the OC3 port charge.

When a DS3 channel is derived from an OC3 service and is further multiplexed to obtain DS1 service, a DS3 to DS1 Multiplexing charge will apply in addition to the DS3 port charge.

When a DS1 channel is directly derived from an OC3 service, a DS1 port charge will apply.

When a DS1 channel is further multiplexed to a lower level signal, a DS1 to Voice Grade Multiplexing charge will also apply.

Add/Drop Multiplexing is only available at wire centers identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4 WIRE CENTER INFORMATION.

Transmittal No. 197

**ACCESS SERVICE**

6. Switched Access Service (Cont'd )

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Local Transport (Cont'd)

(6) Customer Node

A Customer Node charge specified in Section 17.2.2, following, applies when the Telephone Company provides terminal equipment at the customer designated premises for termination of a Synchronous Optical Channel Entrance Facility. Such equipment may be used to convert the signal from an optical to electrical format. The Customer Node charge is determined by the level of optical service (i.e., OC3 or OC12) delivered to the premises. Each Customer Node must be configured with one or more Customer Premises Ports.

Customer Premises Port charges specified in Section 17.2.2, following, apply in conjunction with the Customer Node charge. Each Customer Premises Port provides the interface to derive a lower capacity service at the customer premises. The type and quantity of ports is determined by the customer and is based on the type of Customer Node selected and the number of DS1, DS3, STS-1 and/or OC3 channels ordered. Customer Premises Ports are available at the following speeds:

<u>Customer Premises Port</u>	<u>Speed</u>
OC3	155.52 Mbps
STS-1	51.84 Mbps
DS3	44.736 Mbps
DS1	1.544 Mbps

(N)

(N)

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**ACCESS SERVICE**6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Local Transport (Cont'd)(7) Interface Groups (T)

Ten Interface Groups are provided for terminating the Entrance Facility at the customer's designated premises. Technical specifications concerning the available interface groups are set forth in 15.1 following.

(8) Nonchargeable Optional Features (T)

Where transmission facilities permit, the individual transmission path between the customer's designated premises and the first point of switching, may at the option of the customer, be provided with the following optional features as set forth and described in 15.1.1(E) following.

- Supervisory Signaling
- Customer Specified Entry Switch Receive Level
- Customer Specification of Local Transport Termination

In addition to the above, Shared SONET Interoffice Ring Transport (SSRIT) is available as a nonchargeable optional feature with High Capacity DS3 or Synchronous Optical Channel Local Transport service from wire centers identified in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4, WIRE CENTER INFORMATION. The SSRIT feature is set forth and described in Sections 7.10.3(H) and 7.11.3(D), following.

(N)

(N)

When a customer subscribes to Common Channel Signaling Network Connection Service (CCSNC Service), the following optional features are made available and are described in 6.9.1 following.

- Signaling System 7 (SS7) Signaling
- Calling Party Number
- Carrier Selection Parameter
- Charge Number Parameter

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Local Transport (Cont'd)

(9) Chargeable Optional Features

(T)

Common Channel Signaling, Signaling System 7 (CCS/SS7) Network Connection (CCSNC) Service provides a signaling path between a customer's designated Signaling Point of Interface (SPOI) and a Telephone Company's Signaling Transfer Point (STP). CCSNC is provided as set forth in 6.9.5 following.

800 Series Data Base Access Service is provided to all customers in conjunction with FGC and FGD switched access service. A Basic or Vertical Feature Query charge, as set forth in 17.2.2 (B) following, is assessed for each query launched to the 800 series data base. The Basic Query provides the identification of the customer to whom the call will be delivered and includes area of service routing which allows routing of 800 series type calls by telephone companies to different interexchange carriers based on the Local Access Transport Area (LATA) in which the call originates. The Vertical Feature Query provides this same customer identification function in addition to vertical features which may include: (1) call validation (ensuring that calls originate from subscribed service areas); (2) POTS translation of 800 series numbers (which is generally necessary for the routing of 800 series type calls); (3) alternate POTS translation (which allows subscribers to vary the routing of 800 series type calls based on factors such as time of day, place of origination of the call, etc.); and (4) multiple carrier routing (which allows subscribers to route to different carriers based on factors similar to those in (3)).

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Certain material previously found on this page now appears on Original Page 6-12.1.

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Local Transport (Cont'd)

(7) Chargeable Optional Features (Cont'd)

When ordered for use with ESALT Direct Trunked Facility provided entirely within the Telephone Company's operating territory, the ESALT Real Time Class of Service/Quality of Service (RT CoS/QoS) option provides service performance commitments on transmissions using the Telephone Company's Ethernet local transport network. ESALT RT CoS/QoS is provided as set forth in Section 6.9.3(E), following.

(N)

When ordered for use with ESALT Entrance Facility, the ESALT Entrance Facility Protection (ESALT EFP) option provides backup protection using the Telephone Company's Ethernet local transport network. ESALT EFP is provided as set forth in Section 6.9.3(F), following.

(N)

(B) End Office

The End Office rate category establishes the charges related to the local end office switching and end user termination functions necessary to complete the transmission of Switched Access communications to and from the end users served by the local end office. The End Office rate category includes the Local Switching and Information Surcharge rate elements.

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Certain material currently found on this page previously appeared on 2nd Revised Page 6-12.

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.3 Obligations of the Customer (Cont'd)

6.3.5 Call Signaling

Depending on the signaling system used by the customer in its network, the customer's facilities shall transmit the following call signaling information to the Telephone Company on traffic the customer's end users originate which is handed off for termination on the Telephone Company's network.

(A) Signaling System 7 (SS7) Signaling

When the customer uses SS7 signaling, it will transmit the Calling Party Number (CPN) or, if different from the CPN, the Charge Number (CN) information in the SS7 signaling stream.

(B) Multi-Frequency (MF) Signaling

When the customer uses MF signaling, it will transmit the number of the calling party or, if different from the number of the calling party, the Charge Number (CN) information in the MF Automatic Number Identification (ANI) field.

(C) Internet Protocol (IP) Signaling

When the customer uses IP signaling, it will transmit the telephone number of the calling party or, if different from the telephone number, the billing number of the calling party.

When the customer uses IP signaling in conjunction with ESALT, it will transmit call signaling data that must either: 1) conform to an active 10-digit North American Numbering Plan or directory number which is associated with the geographic location of the originating calling party (i.e., Calling Party Number and/or Automatic Number Identification) or 2) represent IP equivalent call signaling that is mutually agreed upon by the customer and Telephone Company at the time the customer places its order for ESALT.

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.4 Rate Regulations (Cont'd)

6.4.1 Description and Application of Rates and Charges (Cont'd)

(B) Nonrecurring Charges (Cont'd)

(1) Installation of Service

A Local Transport nonrecurring installation charge, as set forth in 17.2.1(A) following, will be applied at the serving wire center for each Entrance Facility installed. Except as specified below for ESALT, when Direct Trunked Transport is ordered to the end office, a Local Transport nonrecurring trunk activation charge as set forth in 17.2.1(E) following, will be applied at each end office when ordered to the end office on a per order per end office basis or at the tandem when ordered to the tandem for each group of 24 Direct Trunked Transport trunks or fraction thereof that is activated (i.e., designated by the customer to be used to carry switched access). A maximum of 24 trunks can be activated on a DS1 facility and a maximum of 672 trunks can be activated on a DS3 facility.

(C)  
(C)

Except as specified below for ESALT, when Direct Trunked Transport is ordered to the access tandem, a Local Transport nonrecurring trunk activation charge, as set forth in Section 17.2.1(E), following, will be applied at the access tandem on a per order basis for each group of 24 Direct Trunked Transport trunks or fraction thereof that is activated at the access tandem.

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(N)

For example, if a customer orders a DS1 Entrance Facility and requests activation of 18 of the available circuits, the customer will be charged one Local Transport High Capacity DS1 Installation nonrecurring charge at the serving wire center and one Direct Trunked Transport Activated nonrecurring charge at the end office. If at a later date the customer requests the activation of three more circuits, the customer will then be charged an additional Direct Trunked Transport Activated nonrecurring charge. These charges are in addition to the Access Order charge as specified in 17.4.1(A) following .

An ESALT Direct Trunked Termination nonrecurring charge, as specified in Section 17.2.1, following, will be applied per ESALT Direct Trunked Termination installed.

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(N)

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.4 Rate Regulations (Cont'd)

6.4.7 Mixed Use

Mixed use occurs when Switched Access Service and Special Access Service are provided over the same High Capacity or Synchronous Optical Channel service facilities through a common interface. The regulations governing the provision of Mixed Use Facilities are set forth in 5.2.4 preceding and 7.2.7 following.

(C)  
(C)

Mixed use also occurs when Ethernet Switched Access Local Transport and Ethernet Transport Service (ETS) are provided over the same ETS facilities through a common interface. The regulations governing the provision of Mixed Use Facilities for these services are set forth in Section 5.2.4, preceding, and Section 16.4.4(D), following.

(N)  
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(N)

The Telephone Company will designate the first point(s) of switching and routing to be used where equal access traffic is provided through a centralized equal access arrangement. Those Telephone Company offices providing equal access through centralized arrangements are identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC . TARIFF F.C.C. NO. 4.

6.4.8 Message Unit Credit for Feature Group A

Calls from end users to the seven digit local telephone numbers associated with Feature Group A Switched Access Service are subject to Telephone Company local and/or general exchange service tariff charges (including message unit and toll charges as applicable). The monthly bills rendered to customers for their Feature Group A Switched Access Service will include a credit to reflect any message unit charges collected from their end users under the Telephone Company's local and/or general exchange service tariffs. When the customer is provided FGA service where measurement capability does not exist, the credit will apply to access minutes not to exceed the assumed originating access minutes. No credit will apply for any terminating FGA access minutes. The message unit credit for originating access minutes will be based on the generally applicable message unit charges of the Telephone Company.

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**ACCESS SERVICE**6. Switched Access Service (Cont'd)6.5 Description and Provision of Feature Group A (FGA) (Cont'd)6.5.1 Description (Cont'd)

(H) (Cont'd)

a separate account for (1) an operator surcharge, as set forth in the local exchange tariffs, for local operator assistance (0- and 0+) calls, (2) calls to certain community information services, for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 (DIAL IT) Network Services, and, (3) calls from a FGA line to another customer's service in accordance with that customer's applicable service rates when the Telephone Company performs the billing function for that customer.

(I) When a FGA switching arrangement for an individual customer (a single line or entire hunt group) is discontinued at an end office, an intercept announcement is provided. This arrangement provides, for a limited period of time, an announcement that the service associated with the number dialed has been disconnected.

(J) FGA will be provisioned over an Entrance Facility from the customer's premises to the customer's serving wire center.

FGA service, when used in the originating direction, will be provisioned as Direct Trunked Transport from the first point of switching (i.e., the end office switch where FGA switching dial tone is provided) to the customer's serving wire center.

FGA service, when used in the terminating direction, will be provisioned as Direct Trunked Transport from the customer's serving wire center to the first point of switching and provisioned as Tandem Switched Transport from the first point of switching to the terminating end office. The Tandem Switching charge will not apply.

(K) FGA service may not be used in conjunction with ESALT. (N)

Transmittal No. 197

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.6 Description and Provision of Feature Group B (FGB) (Cont'd)

6.6.1 Description (Cont'd)

- (H) When all FGB switching arrangements are discontinued at an end office and/or in a LATA, an intercept announcement is provided. This arrangement provides, for a limited period of time, an announcement that the service associated with the number dialed has been disconnected.
- (I) For FGB switched access service to a Wireless Switching Center (WSC) directly interconnected to a Telephone Company access tandem office, the customer will be billed only the Local Transport premium rate element for the FGB usage. The mileage used to determine the monthly rate for the local transport rate element is as set forth in 6.4.6(H) preceding.
- (J) FGB service may not be used in conjunction with ESALT. (N)

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**ACCESS SERVICE**6. Switched Access Service (Cont'd)6.7 Description and Provision of Feature Group C (FGC) (Cont'd)6.7.1 Description (Cont'd)

(G) The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGC switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGC switching arrangement provided. Different types of FGC or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.

(H) Unless prohibited by technical limitations the providers of MTS and WATS may, at their option, combine Interim NXX Translation traffic in the same trunk group arrangement with their non-Interim NXX Translation traffic. When required by technical considerations, or when provided to a customer other than the provider of MTS and WATS, or at the request of the customer (i.e., provider of MTS and WATS), a separate trunk group will be established for Interim NXX Translation traffic.

(I) Operator Transfer Service may be provided with FGC Switched Access Service at Telephone Company designated Operator Services locations.

The Telephone Company will provide Operator Transfer Service for calls originating from telephone numbers associated with exchange service lines in end offices subtending the Operator Services location. Operator Transfer Service is provided as set forth in 6.9.4 following.

(J) FGC switching is provided with multifrequency address signaling or out of band SS7 signaling where technically feasible. With multifrequency address signaling and SS7 signaling, up to 12 digits of the called party number dialed by the customer's end user using dual tone multifrequency or dial pulse address signals will be provided by Telephone Company equipment to the customer's premises where the Switched Access Service terminates. Such address signals will be subject to the ordinary transmission capabilities of the Local Transport provided.

(K) FGC service may not be used in conjunction with ESALT.

(N)

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.8 Description and Provision of Feature Group D (FGD) (Cont'd)

6.8.1 Description (Cont'd)

- (L) Operator Transfer Service (forwarding of 0- calls) may be provided with FGD Switched Access Service at Telephone Company designated Operator Services locations.

The Telephone Company will provide Operator Transfer Service for calls originating from telephone numbers associated with exchange service lines in end offices subtending the Operator Services location. Operator Transfer Service is provided as set forth in 6.9.4 following.

- (M) For FGD Switched Access Service between an end user's premises and an IPG SWC, the customer will be billed the applicable Local Switching, Information Surcharge and Tandem Switched Transport premium rate elements for its FGD usage. The mileage used to determine the monthly rate for the Tandem Switched Facility, when required, is as set forth in Section 6.4.6(J), preceding.

- (N) For FGD Switched Access Service between an end user's premises and an ESALT SWC, the customer will be billed the applicable Local Switching, Information Surcharge and Tandem Switched Transport premium rate elements for its FGD usage. The mileage used to determine the monthly rate for the Tandem Switched Facility, when required, is as set forth in Section 6.4.6, preceding.

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.8 Description and Provision of Feature Group D (FGD) (Cont'd)

6.8.2 Optional Features (Cont'd)

(B) Transport Termination Options

(1) Operator Trunk - Full Feature

The Operator Trunk optional feature is set forth in 6.9.2(C) following.

(C) Local Transport Options

(1) Supervisory Signaling

The Supervisory Signaling optional feature, due to its technical nature, is set forth in 15.1.1 following.

(2) Signaling System 7 (SS7)

The SS7 optional feature allows the customer to send and receive signals for out of band call set up and is available with Feature Group D. This option requires the establishment of a signaling connection between the customer's designated premises/ Signaling Point of Interface and a Telephone Company's Signaling Transfer Point (STP).

SS7 is provided in both the originating and terminating direction on FGD and each signaling connection is provisioned for two-way SS7 signaling information.

(3) Multifrequency Address Signaling

(4) Calling Party Number (CPN) Parameter

(5) Charge Number Parameter (CNP)

(6) Carrier Selection Parameter (CSP)

(D) Chargeable Optional Features

(1) Interim NXX Translation

The Interim NXX Translation Optional Feature is set forth in 6.9.3(A) following.

(2) ESALT Real Time Class of Service/Quality of Service (RT CoS/QoS)

The ESALT RT CoS/QoS optional feature is set forth in Section 6.9.3(E), following.

(3) ESALT Entrance Facility Protection (EFP)

The ESALT EFP optional feature is set forth in Section 6.9.3(F), following.

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7852 Walker Drive, Greenbelt, Maryland 20770

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.8 Description and Provision of Feature Group D (FGD) (Cont'd)

6.8.2 Optional Features (Cont'd)

(D) Chargeable Optional Features (Cont'd)

(4) Operator Transfer Service

The Operator Transfer Service Optional Feature is provided as set forth in Section 6.10.3(B), following.

(5) Common Channel Signaling/Signaling System 7 (CCS/SS7) Network Connection Service (CCSNC)

The CCSNC Optional Feature is provided as set forth in Section 6.10.3(C), following.

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Material currently found on this page formerly appeared on 2nd Revised Page 6-100.

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**ACCESS SERVICE**6. Switched Access Service (Cont'd)6.9 Chargeable and Nonchargeable Optional Features (Cont'd)6.9.3 Chargeable Optional Features (Cont'd)(E) Ethernet Switched Access Local Transport Real Time Class of Service/Quality of Service (ESALT RT CoS/QoS)

Where suitable facilities exist, the ESALT RT CoS/QoS option will be available for use on an ESALT Direct Trunked Facility (DTF). This optional arrangement is available only on that portion of the ESALT DTF provided by the Telephone Company within its operating territory. The ESALT RT CoS/QoS option is not available for use with jointly provided ESALT.

When ordered by the customer, the Telephone Company's network will transport the customer's traffic across its network to meet the frame delay, inter frame delay variation and frame loss ratio parameters specified in the following Technical References:

- IEEE Standard 802.1D-2004, Sections 7, 9, 17 and Annex G provided the customer's CPE populates the user priority value field with a value of 6 and
- Implementation Agreement MEF 23.1, January 2012, Table 7, Label H, Regional Performance Tier.

The capacity ordered for the ESALT RT CoS/QoS option must be equal to the full capacity of the associated ESALT DTF.

(N)

(N)

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**ACCESS SERVICE**6. Switched Access Service (Cont'd)6.9 Chargeable and Nonchargeable Optional Features (Cont'd)6.9.3 Chargeable Optional Features (Cont'd)(E) Ethernet Switched Access Local Transport Real Time Class of Service/Quality of Service (ESALT RT CoS/QoS) (Cont'd)

(N)

When one or more of the ESALT RT CoS/QoS performance criteria specified in the Technical References listed above is not met, the customer reports the performance failure to the Telephone Company and the performance failure does not result in a service interruption of the customer's ESALT, the following provisions will apply in lieu of the credit allowance provisions for service interruptions specified in Section 2.4.4, preceding.

- No credit will be applied for the performance failure when the Telephone Company restores the customer's service to the required ESALT RT CoS/QoS performance criteria levels within four hours after receipt of the trouble report from the customer or when the Telephone Company determines during its trouble investigation that the customer's equipment caused the performance failure.
- When the Telephone Company fails to restore the customer's service to the required ESALT RT CoS/QoS performance criteria levels within four hours after receipt of the trouble report and the trouble is found to be in the Telephone Company's network, the Telephone Company will provide the customer with a service credit equal to 144/1440 of the undiscounted monthly charges for the impacted ESALT DTF(s) and associated ESALT RT CoS/QoS option(s) for the initial four hour period and for each subsequent fractional four hour period until the performance failure is resolved. The total service credits due under this provision during a single billing month may not exceed the total undiscounted monthly charges for the impacted ESALT DTF(s) and associated ESALT RT CoS/QoS option(s).

A capacity based monthly recurring charge (i.e., 2 Mbps, 10 Mbps or 50 Mbps) applies to each ESALT RT CoS/QoS option ordered by the customer in addition to the applicable charges for the associated ESALT DTF. Charges for the ESALT RT CoS/QoS option are as specified in Section 17.2.2, following. An Access Order Charge applies to subsequently add the ESALT RT CoS/QoS option to an existing ESALT DTF. The Access Order Charge does not apply to remove the ESALT RT CoS/QoS option.

(N)

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**ACCESS SERVICE**6. Switched Access Service (Cont'd)6.9 Chargeable and Nonchargeable Optional Features (Cont'd)6.9.3 Chargeable Optional Features (Cont'd)(F) Ethernet Switched Access Local Transport Entrance Facility Protection (ESALT EFP) (Cont'd)

(N)

Where suitable facilities exist, an ESALT customer that requires stand-by capability on its ESALT Entrance Facility (EF) may order the ESALT EFP option.

This optional arrangement establishes a stand-by ESALT EF between the customer designated premises and the Telephone Company's suitably equipped serving wire center at the same bandwidth capacity as the customer's ESALT EF, which will be activated to restore service should a failure occur in the customer's ESALT EF. ESALT EFP is not available when the ESALT EF is used in conjunction with mixed use as described in Section 6.4.7, above.

When ordered by the customer, the Telephone Company's network will automatically redirect the customer's IP formatted traffic to the stand-by ESALT EF as described in Technical Reference IEEE Standard 802.1D-2004, Section 17.

A capacity based monthly recurring charge (i.e., 2 Mbps, 10 Mbps or 50 Mbps) and nonrecurring charge applies to each ESALT EFP option ordered by the customer in addition to the applicable charges for the associated ESALT EF. An Access Order Charge applies in addition to the ESALT EFP nonrecurring charge to subsequently add the ESALT EFP option to an existing ESALT EF. Charges for the ESALT EFP option are as specified in Section 17.2.2, following.

(N)

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**ACCESS SERVICE**7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.1 Channel Types (Cont'd)B. Issuing Carrier Special Access Offerings (Cont'd)

Issuing Carrier	State	Study Area Code	Metallic §7.4	Metallic DSL Access Connection §7.4(B)
TDS Telecom Companies-Group B <sup>(1)</sup>				
Arvig Telephone Company d/b/a TDS Telecom <sup>(1)</sup>	MN	361350	(1)	(1)
Badger Telecom, LLC d/b/a TDS Telecom <sup>(1)</sup>	WI	330844	(1)	(1)
Blue Ridge Telephone Company d/b/a TDS Telecom <sup>(1)</sup>	GA	220346	(1)	(1)
Bridge Water Telephone Company d/b/a TDS Telecom <sup>(1)</sup>	MN	361362	(1)	(1)
Central State Telephone Company, LLC d/b/a TDS Telecom <sup>(1)</sup>	WI	330859	(1)	(1)
Concord Telephone Exchange, Inc. d/b/a TDS Telecom <sup>(1)</sup>	TN	290559	(1)	(1)
Mid-Plains Telephone Company, LLC d/b/a TDS Telecom <sup>(1)</sup>	WI	330881	(1)	(1)
Mid-State Telephone Company d/b/a TDS Telecom <sup>(1)</sup>	MN	361433	(1)	(1)
Nelson-Ball Ground Telephone Company d/b/a TDS Telecom <sup>(1)</sup>	GA	220375	(1)	(1)
Quincy Telephone Company d/b/a TDS Telecom <sup>(1)</sup>	FL	210338	(1)	(1)
Quincy Telephone Company d/b/a TDS Telecom <sup>(1)</sup>	GA	220338	(1)	(1)
Stockbridge & Sherwood Telephone Company d/b/a TDS Telecom <sup>(1)</sup>	WI	330954	(1)	(1)
Strasburg Telephone Company d/b/a TDS Telecom <sup>(1)</sup>	CO	462207	(1)	(1)
Tellico Telephone Company, Inc. d/b/a TDS Telecom <sup>(1)</sup>	TN	290578	(1)	(1)
UTELCO, LLC d/b/a TDS Telecom <sup>(1)</sup>	WI	330963	(1)	(1)
Bixby Telephone Company	OK	431969	X	X
Ellijay Telephone Company	GA	220360	X	X
Brindlee Mountain Telephone LLC	AL	250283	X	X
Otelco Telephone LLC	AL	250312	X	X

(D)

(1) TDS Telecom Companies-Group B Special Access rates for 15 issuing carriers are pooled and listed under "TDS Telecom Companies-Group B" in Section 17.

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**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

B. Issuing Carrier Special Access Offerings (Cont'd)

Issuing Carrier	State	Study Area Code	Metallic §7.4	Metallic DSL Access Connection §7.4(B)
Saco River Telephone LLC	ME	100022	X	X
Etex Telephone Cooperative, Inc.	TX	442070	X	X
Hancock Rural Telephone Corporation d/b/a NineStar Connect	IN	320775	X	X
Piedmont Rural Telephone Cooperative, Inc.	SC	240538	X	X
Ringgold Telephone Company	GA	220382	X	X
Star Telephone Membership Corp.	NC	230502	X	X
Winnebago Cooperative Telecom Association	IA	351337	X	X
Winnebago Cooperative Telecom Association	MN	361337	X	X
Total Communications, Inc.	OK	432030	X	X
Total Communications, Inc.	KS	412030	X	X
Pine Telephone Company	OK	432017	X	X
Moundridge Telephone Company	KS	411808	X	X
The Pioneer Telephone Association, Inc. d/b/a Pioneer Communications	KS	411817	X	X

(N)

(N)

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**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

B. Issuing Carrier Special Access Offerings (Cont'd)

Issuing Carrier	Telegraph §7.5	Voice Grade §7.6	Program Audio §7.7	Video Service §7.8	Digital Data §7.9
Hancock Rural Telephone Corporation d/b/a NineStar Connect	X	X	X	X	X
Piedmont Rural Telephone Cooperative, Inc.	X	X	X	X	X
Ringgold Telephone Company	X	X	X	X	X
Star Telephone Membership Corp.	X	X	X	X	X
Winnebago Cooperative Telecom Association	X	X	X	X	X
Totah Communications, Inc.	X	X	X	X	X
Pine Telephone Company	X	X	X	X	X
Moundridge Telephone Company	X	X	X	X	X
The Pioneer Telephone Association, Inc. d/b/a Pioneer Communications	X	X	X	X	X

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(N)

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**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

B. Issuing Carrier Special Access Offerings (Cont'd)

Issuing Carrier	High Capacity DS1 §7.10	High Capacity DS3 §7.10	High Capacity DS1 DSL Access Connection §7.10.3(E),(F)	High Capacity DS3 DSL Access Connection §7.10.3(E),(F)	High Capacity Term Discounts §7.2.8
TDS Telecom Companies-Group B (Cont'd) <sup>(1)</sup>	(1)	(1)	(1)	(1)	(1)
Mid-Plains Telephone Company, LLC d/b/a TDS Telecom <sup>(1)</sup>	(1)	(1)	(1)	(1)	(1)
Mid-State Telephone Company d/b/a TDS Telecom <sup>(1)</sup>	(1)	(1)	(1)	(1)	(1)
Nelson-Ball Ground Telephone Company d/b/a TDS Telecom <sup>(1)</sup>	(1)	(1)	(1)	(1)	(1)
Quincy Telephone Company d/b/a TDS Telecom (FL) <sup>(1)</sup>	(1)	(1)	(1)	(1)	(1)
Quincy Telephone Company d/b/a TDS Telecom (GA) <sup>(1)</sup>	(1)	(1)	(1)	(1)	(1)
Stockbridge & Sherwood Telephone Company d/b/a TDS Telecom <sup>(1)</sup>	(1)	(1)	(1)	(1)	(1)
Strasburg Telephone Company d/b/a TDS Telecom <sup>(1)</sup>	(1)	(1)	(1)	(1)	(1)
Tellico Telephone Company, Inc. d/b/a TDS Telecom <sup>(1)</sup>	(1)	(1)	(1)	(1)	(1)
UTELCO, LLC d/b/a TDS Telecom <sup>(1)</sup>	(1)	(1)	(1)	(1)	(1)
Bixby Telephone Company	X	X	X	X	X
Ellijay Telephone Company	X	X	X	X	X
Brindlee Mountain Telephone LLC	X	X	X	X	X
Otelco Telephone LLC	X	X	X	X	X

(D)

(1) TDS Telecom Companies-Group B Special Access rates for 15 issuing carriers are pooled and listed under “TDS Telecom Companies-Group B” in Section 17.

**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

B. Issuing Carrier Special Access Offerings (Cont'd)

Issuing Carrier	High Capacity DS1 §7.10	High Capacity DS3 §7.10	High Capacity DS1 DSL Access Connection §7.10.3(E),(F)	High Capacity DS3 DSL Access Connection §7.10.3(E),(F)	High Capacity Term Discounts §7.2.8
Hancock Rural Telephone Corporation d/b/a NineStar Connect	X	X	X	X	X
Piedmont Rural Telephone Cooperative, Inc.	X	X	X	X	X
Ringgold Telephone Company	X	X	X	X	X
Star Telephone Membership Corp.	X	X	X	X	X
Winnebago Cooperative Telecom Association	X	X	X	X	X
Totah Communications, Inc.	X	X	X	X	X
Pine Telephone Company	X	X	X	X	X
Moundridge Telephone Company	X	X	X	X	X
The Pioneer Telephone Association, Inc. d/b/a Pioneer Communications	X	X	X	X	X

(N)

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**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

B. Issuing Carrier Special Access Offerings (Cont'd)

Issuing Carrier	SOCS Rate Regs. I – CT Without Mileage Charges §7.11.3	SOCS Rate Regs. II - CT With Mileage Charges §7.11.4. -	SOCS STS1 §7.11	SOCS OC3 §7.11	SOCS OC12 §7.11
Hancock Rural Telephone Corporation d/b/a NineStar Connect	X		X	X	X
Piedmont Rural Telephone Cooperative, Inc.	X		X	X	X
Ringgold Telephone Company	X		X	X	X
Star Telephone Membership Corp.	X		X	X	X
Winnebago Cooperative Telecom Association	X		X	X	X
Totah Communications, Inc.	X		X	X	X
Pine Telephone Company	X		X	X	X
Moundridge Telephone Company	X		X	X	X
The Pioneer Telephone Association, Inc. d/b/a Pioneer Communications	X		X	X	X

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**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

B. Issuing Carrier Special Access Offerings (Cont'd)

Issuing Carrier	SOCS Optional Rate Plan A 7.2.9.A	SOCS Optional Rate Plan B §7.2.9.B	SOCS OC3 DSL Access Connection §7.11.3(E),(F)	SOCS OC12 DSL Access Connection §7.11.3(E),(F)
Hancock Rural Telephone Corporation d/b/a NineStar Connect	X		X	
Piedmont Rural Telephone Cooperative, Inc.	X		X	
Ringgold Telephone Company	X		X	
Star Telephone Membership Corp.	X		X	
Winnebago Cooperative Telecom Association	X		X	
Totah Communications, Inc.	X		X	
Pine Telephone Company	X		X	
Moundridge Telephone Company	X		X	
The Pioneer Telephone Association, Inc. d/b/a Pioneer Communications	X		X	

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(N)

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**ACCESS SERVICE**16. Public Packet Data Network (Cont'd)16.1 Frame Relay Access Service (Cont'd)

Telephone Companies providing Frame Relay Access Service under this Section are indicated in the following table. (Cont'd)

Carrier	SAC	Stand-ard Ports	Chan-nelized End User Port	FRIC * FRAC	PVCs	DLCI	DSL Access Con-nection	Term Dis-counts
Hancock Rural Telephone Corporation d/b/a NineStar Connect	320775	X	X	X	X			X
Piedmont Rural Telephone Cooperative, Inc.	240538	X	X	X	X			X
Ringgold Telephone Company	220382	X	X	X	X			X
Star Telephone Membership Corp.	230502	X	X	X	X			X
Winnebago Cooperative Telecom Association	351337	X	X	X	X			
Winnebago Cooperative Telecom Association	361337	X	X	X	X			
Totah Communications, Inc.	432030	X	X	X	X			
Totah Communications, Inc.	412030	X	X	X	X			
Pine Telephone Company	432017	X	X	X	X			X
Moundridge Telephone Company	411808	X	X	X	X			X
The Pioneer Telephone Association, Inc. d/b/a Pioneer Communications	411817	X	X	X	X			X

(N)

(N)

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**ACCESS SERVICE**

16. Public Packet Data Network (Cont'd)

16.4 Ethernet Transport Service (Cont'd)

Telephone Companies providing Ethernet Transport Service (ETS) under this Section are indicated in the following table.

<u>Telephone Company</u>	<u>Study Area Code</u>	<u>Provides ETS without Meet Point Interface</u>	<u>Provides ETS with Meet Point Interface</u>	<u>ETS Term Discount Plan</u>	<u>VLAN Service</u>
Hancock Rural Telephone Corporation d/b/a NineStar Connect	320775	X		X	
Piedmont Rural Telephone Cooperative, Inc.	240538	X		X	
Ringgold Telephone Company	220382	X		X	
Star Telephone Membership Corp.	230502	X		X	
Winnebago Cooperative Telecom Association	351337	X		X	
Winnebago Cooperative Telecom Association	361337	X		X	
Total Communications, Inc.	432030	X		X	
Total Communications, Inc.	412030	X		X	
Pine Telephone Company	432017	X		X	
Moundridge Telephone Company	411808	X		X	
The Pioneer Telephone Association, Inc. d/b/a Pioneer Communications	411817	X		X	

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(N)

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**ACCESS SERVICE**

16. Public Packet Data Network (Cont'd)

16.4 Ethernet Transport Service (Cont'd)

Telephone Companies providing Ethernet Transport Service (ETS) under this Section are indicated in the following table. (Cont'd)

<u>Telephone Company</u>	<u>Study Area Code</u>	<u>ETS Term Discount Plan Options</u>	
		<u>ETS Volume Discount Plan</u>	<u>ETS Fixed Rate Option</u>
Hancock Rural Telephone Corporation d/b/a NineStar Connect	320775	X	
Piedmont Rural Telephone Cooperative, Inc.	240538	X	
Ringgold Telephone Company	220382	X	
Star Telephone Membership Corp.	230502	X	
Winnebago Cooperative Telecom Association	351337	X	
Winnebago Cooperative Telecom Association	361337	X	
Totah Communications, Inc.	432030	X	
Totah Communications, Inc.	412030	X	
Pine Telephone Company	432017	X	
Moundridge Telephone Company	411808	X	
The Pioneer Telephone Association, Inc. d/b/a Pioneer Communications	411817	X	

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(N)

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**ACCESS SERVICE**

16. Public Packet Data Network (Cont'd)

16.4 Ethernet Transport Service (Cont'd)

16.4.4 Rate Regulations (Cont'd)

(D) Mixed Use

(N)

Mixed use refers to a rate applicable when the customer orders Ethernet Transport Service between its CDP and an ETS-equipped SWC when the same customer also orders a portion of the available bandwidth capacity on its ETS Basic Port at that SWC as Ethernet Switched Access Local Transport (ESALT).

Mixed use is only available at SWCs designated by the Telephone Company in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. Tariff F.C.C. No. 4 as being both ETS and ESALT equipped.

Where suitable facilities exist, mixed use arrangements are available when provided by the Telephone Company within its serving territory and when jointly provided by the Telephone Company with another telephone company in an adjacent or non-adjacent serving territory as described for ESALT in Section 6.1, preceding.

Mixed use arrangements are not available when the customer uses ETS Interconnection Ports and associated Special Access Services. Mixed use arrangements are also not available when jointly provided with another telephone company in a non-adjacent serving territory where the number of miles between the ETS SWC serving the customer's CDP and the ESALT SWC is greater than 75 airline miles.

(N)

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**ACCESS SERVICE**16. Public Packet Data Network (Cont'd)16.4 Ethernet Transport Service (Cont'd)16.4.4 Rate Regulations (Cont'd)(D) Mixed Use (Cont'd)

The initial facilities between the CDP and ETS equipped SWC will be ordered, provided and rated as ETS (e.g., including where applicable based on its configuration, ETS Basic Ports, ETS Channel Terminations, ETS EVCs, optional features, etc.). The nonrecurring charges that apply when these components are installed will be the nonrecurring charges associated with the applicable ETS rate elements as specified in Section 17.4.8, following.

Rating as ETS will continue until such time as the customer places an order to activate a portion of the available ETS bandwidth capacity for use as ESALT. It is at this point the ETS facilities between the CDP and ETS-equipped SWC become mixed use subject to the following provisions.

As specified in Section 6.1, preceding, ESALT is available in increments of 2 Mbps, 10 Mbps and 50 Mbps. As each 2 Mbps, 10 Mbps or 50 Mbps increment of capacity on the customer's ETS Basic Port is activated for use as ESALT, the monthly rates for the applicable ETS rate elements for the shared mixed use facilities between the ETS/ESALT SWC and the CDP, excluding the monthly rate for the ETS Port Protection feature, will be reduced by a factor reflecting the capacity used for ESALT divided by the total capacity available on the mixed use facilities. The monthly rates for the ETS Port Protection feature and for other non-shared ETS rate elements used between the ETS/ESALT SWC and other locations will not be reduced by this adjustment factor.

(N)

(N)

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**ACCESS SERVICE**16. Public Packet Data Network (Cont'd)16.4 Ethernet Transport Service (Cont'd)16.4.4 Rate Regulations (Cont'd)(D) Mixed Use (Cont'd)

For example, the customer orders 10 Mbps on its existing 100 Mbps ETS Basic Port, 100 Mbps ETS Channel Termination and ETS Port Protection feature activated for use as ESALT at the ETS/ESALT SWC serving the CDP. In this example, the adjustment factor used would be 10% (i.e., 10 Mbps/100 Mbps), which would be applied to the undiscounted monthly rates for the 100 Mbps ETS Basic Port and the 100 Mbps ETS Channel Termination. This adjustment factor would not be applied to the monthly rate for the ETS Port Protection feature or to any other non-shared ETS rate elements ordered by the customer to connect to other locations.

If the ETS monthly charges for the shared mixed use facilities are subject to an ETS Term Discount Plan discount as set forth in Section 16.4.5, following, the ETS monthly charges for the shared ETS facilities will be reduced to reflect mixed use before any ETS Term Discount Plan discount is applied.

Switched Access Service rates and charges, as set forth in Section 17.2, following, will apply for each 2 Mbps, 10 Mbps or 50 Mbps increment of capacity on the customer's ETS Basic Port activated for use as ESALT. The Switched Access Service monthly rates for the ESALT components activated on shared mixed use ETS facilities will not be reduced to reflect mixed use and are not subject to any ETS Term Discount Plan discount.

(N)

(N)

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**ACCESS SERVICE**

16. Public Packet Data Network (Cont'd)

16.4 Ethernet Transport Service (Cont'd)

16.4.4 Rate Regulations (Cont'd)

(D) Mixed Use (Cont'd)

When the customer orders the activation of capacity of its existing ETS for use as ESALT, the customer must provide the information specified in Section 5.2.1(F), preceding, on its order. In addition to the applicable ESALT nonrecurring charges for the service components ordered, an Access Order Charge will apply per order. The customer may order multiple increments of capacity for use as ESALT on the same access order, in which case only one Access Order Charge will apply.

When the customer orders both ETS and ESALT installed at the same ETS/ESALT SWC at the same time, the Telephone Company will waive the Access Order Charge and associated ESALT nonrecurring charges that would otherwise apply for the service components ordered on the ESALT order provided the customer's ESALT and ETS orders cross reference each other. An Access Order Charge and associated ETS nonrecurring charges will apply for the service components ordered on the ETS order.

(N)

(N)

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**ACCESS SERVICE**16. Public Packet Data Network (Cont'd)16.7 Asynchronous Transfer Mode Cell Relay Access Service (ATM-CRS)

Telephone Companies providing Asynchronous Transfer Mode Cell Relay Access Service under this Section are indicated in the following table.

Carrier	SAC	Ports	DSL Access Service Connection	VPs	VCC	Inverse Multi-plexing	Term Discount
Hancock Rural Telephone Corporation d/b/a NineStar Connect	320775	X	X	X	X		
Piedmont Rural Telephone Cooperative, Inc.	240538	X	X	X	X		
Ringgold Telephone Company	220382	X	X	X	X		
Star Telephone Membership Corp.	230502	X	X	X	X		
Winnebago Cooperative Telecom Association	351337	X	X	X	X		
Winnebago Cooperative Telecom Association	361337	X	X	X	X		
Totah Communications, Inc.	432030	X	X	X	X		
Totah Communications, Inc.	412030	X	X	X	X		
Pine Telephone Company	432017	X	X	X	X		
Moundridge Telephone Company	411808	X	X	X	X		
The Pioneer Telephone Association, Inc. d/b/a Pioneer Communications	411817	X	X	X	X		

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