

ACCESS SERVICE
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Title Pages 1 and 2 and Pages 1 through 17-163 inclusive of this tariff are effective as of the date shown. Original and revised pages as named below and Supplement Nos. 1 contain all changes from the original Tariff that are in effect on the date hereof.

PAGE	NUMBER OF REVISION EXCEPT AS INDICATED	PAGE	NUMBER OF REVISION EXCEPT AS INDICATED	PAGE	NUMBER OF REVISION EXCEPT AS INDICATED
Title Page 1	Original	22	4th *	2-19	Original
Title Page 2	4th	23	4th *	2-19.1	1st
1	64th *	24	Original	2-19.1.1	Original
1.001	15th *	25	1st *	2-19.2	1st
1.0001	9th *	26	3rd *	2-19.3	Original
1.01	14th *	27	2nd *	2-19.4	1st
1.1	17th *	28	1st *	2-19.5	Original
1.2	6th *	29	1st *	2-20	Original
1.3	13th *	30	2nd *	2-21	1st *
1.4	Original	31	1st *	2-22	1st *
1.5	8th *	32	1st *	2-23	Original
1.6	Original	33	1st *	2-24	1st
2	Original	34	1st	2-25	1st
3	1st	1-1	2nd *	2-26	1st
4	2nd *	2-1	1st *	2-27	2nd *
5	1st *	2-2	Original	2-28	3rd
6	1st *	2-3	Original	2-29	3rd *
7	1st	2-4	Original	2-30	3rd *
8	Original	2-5	Original	2-30.1	2nd *
9	1st	2-6	Original	2-31	1st *
10	Original	2-7	Original	2-32	3rd
11	3rd *	2-8	Original	2-32.1	Original
12	Original	2-9	Original	2-33	3rd
13	Original	2-10	Original	2-34	1st
14	Original	2-11	Original	2-35	1st
15	3rd *	2-12	1st *	2-36	1st
16	1st *	2-13	Original	2-37	1st
17	5th *	2-14	Original	2-38	1st
18	Original	2-15	Original	2-39	3rd
19	Original	2-16	Original	2-40	2nd *
20	1st	2-17	1st	2-41	2nd *
21	2nd *	2-18	Original	2-42	2nd *

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2-44	2nd *	3-8	1st	5-28	3rd *
2-44.1	1st *	3-9	1st	6-1	1st
2-44.2	1st *	3-10	1st	6-2	Original
2-44.3	1st *	3-11	1st	6-3	Original
2-44.4	1st *	3-12	1st	6-4	Original
2-44.5	1st *	3-13	Original	6-5	1st
2-44.6	1st *	4-1	2nd	6-6	Original
2-44.7	1st *	4-2	1st	6-7	Original
2-44.8	1st *	4-3	1st	6-8	1st
2-45	2nd *	4-4	2nd	6-9	1st
2-46	1st *	4-5	2nd	6-10	1st
2-47	1st *	5-1	2nd *	6-11	Original
2-48	1st *	5-2	2nd *	6-12	2nd
2-49	1st *	5-2.1	1st *	6-13	Original
2-50	1st *	5-2.2	1st *	6-14	3rd
2-51	1st *	5-3	1st *	6-15	2nd
2-52	Original	5-4	Original	6-16	Original
2-53	1st *	5-5	Original	6-17	1st
2-54	1st *	5-6	Original	6-18	Original
2-55	1st *	5-7	Original	6-19	Original
2-56	Original	5-8	3rd *	6-20	2nd
2-57	Original	5-9	2nd *	6-21	2nd
2-58	Original	5-10	3rd *	6-22	2nd *
2-59	1st *	5-11	2nd *	6-23	1st
2-60	2nd *	5-12	Original	6-24	1st
2-61	1st *	5-13	2nd *	6-25	Original
2-62	Original	5-14	2nd *	6-26	Original
2-63	1st *	5-15	1st	6-27	Original
2-64	1st *	5-16	Original	6-28	Original
2-65	1st	5-17	1st *	6-29	1st
2-66	2nd	5-18	2nd *	6-30	2nd
3-1	1st	5-19	2nd *	6-31	Original
3-2	Original	5-20	2nd *	6-32	Original
3-3	Original	5-21	Original	6-33	1st
3-4	Original	5-22	2nd *	6-34	1st
3-5	Original	5-23	2nd	6-35	Original
3-6		5-24	2nd *	6-36	Original
		5-25	2nd *	6-37	Original
		5-26	2nd *	6-38	Original
		5-26.1	Original	6-39	Original

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6-41	Original	6-82	Original	6-125	Original
6-42	Original	6-83	Original	6-126	Original
6-43	Original	6-84	Original	6-127	Original
6-44	Original	6-85	Original	6-128	Original
6-45	Original	6-86	1st	6-129	Original
6-46	Original	6-87	Original	6-130	Original
6-47	Original	6-88	Original	6-131	Original
6-48	Original	6-89	Original	6-132	Original
6-49	Original	6-90	Original	6-133	Original
6-50	1st	6-91	Original	6-134	Original
6-51	1st	6-92	Original	6-135	Original
6-52	1st	6-93	Original	6-136	Original
6-53	1st	6-94	Original	6-137	Original
6-54	1st	6-95	Original	6-138	Original
6-55	1st	6-96	Original	6-139	Original
6-56	1st	6-97	Original	6-140	Original
6-57	1st	6-98	Original	6-141	Original
6-58	1st	6-99	Original	6-142	Original
6-59	1st	6-101	Original	6-143	Original
6-60	1st	6-102	Original	6-144	Original
6-61	1st	6-103	Original	6-145	Original
6-62	Original	6-104	1st	6-146	Original
6-63	Original	6-105	Original	6-147	Original
6-64	Original	6-106	Original	6-148	Original
6-65	Original	6-107	Original	6-149	Original
6-66	1st	6-108	Original	6-150	1st
6-67	Original	6-109	Original	6-151	1st
6-68	1st	6-110	Original	7-1	3rd *
6-69	Original	6-111	Original	7-1.1	Original *
6-70	Original	6-112	Original	7-1.2	Original *
6-71	Original	6-113	Original	7-1.3	Original *
6-72	Original	6-114	1st	7-1.4	Original *
6-73	Original	6-115	Original	7-2	6th *
6-74	Original	6-116	Original	7-3	4th *
6-75	Original	6-117	Original	7-4	4th *
6-76	Original	6-118	Original	7-5	3rd*
6-77	Original	6-119	Original	7-6	Original
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6-79	Original	6-121	Original	7-8	2nd *
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7-11	1st *	7-47	2nd	7-55.15	1st
7-12	1st *	7-47.1	1st	7-55.15.1	2nd
7-13	1st	7-47.2	1st	7-55.15.2	2nd
7-14	1st	7-47.3	1st	7-55.15.3	1st
7-15	1st	7-47.4	1st	7-55.16	1st
7-16	1st *	7-47.5	1st	7-55.17	1st
7-17	1st *	7-48	1st	7-55.18	1st
7-18	2nd *	7-49	2nd	7-55.19	1st
7-19	3rd *	7-50	4th	7-55.20	1st
7-20	2nd *	7-51	2nd	7-55.21	1st
7-21	2nd *	7-52	1st	7-55.22	1st
7-22	2nd *	7-53	1st	7-55.23	4th
7-23	2nd *	7-54	1st	7-55.24	1st
7-24	1st *	7-55	1st	7-55.25	1st
7-25	1st *	7-55.1	1st	7-55.26	1st
7-26	1st *	7-55.2	3rd	7-55.27	1st
7-27	3rd *	7-55.3	1st	7-55.28	1st
7-28	1st *	7-55.4	2nd	7-55.29	1st
7-29	Original	7-55.5	1st	7-56	1st *
7-30	3rd *	7-55.6	1st	7-57	Original
7-31	2nd *	7-55.7	Original	7-58	Original
7-32	3rd *	7-55.8	1st	7-59	Original
7-33	1st *	7-55.9	1st	7-60	1st *
7-34	1st *	7-55.10	1st	7-61	1st *
7-35	2nd *	7-55.10.0	1st	7-62	1st *
7-36	2nd *	7-55.10.1	2nd	7-63	1st *
7-37	1st	7-55.10.2	1st	7-64	1st *
7-38	2nd *	7-55.10.3	2nd	7-65	Original
7-39	Original	7-55.10.3.1	1st	7-66	Original
7-40	Original	7-55.10.3.2	1st	7-67	Original
7-41	Original	7-55.10.4	1st	7-68	Original
7-42	Original	7-55.10.5	1st	7-69	1st *
7-43	2nd	7-55.11	4th	7-70	Original
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7-74	2nd *	7-107	1st	10-2	Original
7-75	1st *	7-108	1st	10-3	Original
7-76	1st *	7-109	1st	10-4	Original
7-77	3rd *	7-110	1st	10-5	Original
7-77.1	1st	7-111	1st	10-6	2nd *
7-78	1st *	7-112	1st	10-7	1st
7-79	1st *	7-113	1st	10-8	1st
7-80	1st *	7-114	1st	10-8.1	1st *
7-81	1st *	7-115	1st	10-8.2	1st *
7-82	1st *	7-116	1st	10-8.3	1st *
7-83	1st *	7-117	1st	10-8.4	1st *
7-84	3rd *	7-118	1st	10-8.5	1st *
7-85	3rd *	7-119	1st	10-9	1st *
7-86	3rd *	7-120	1st	10-10	1st
7-87	3rd *	7-121	1st	11-1	1st *
7-87.1	2nd *	7-122	1st	11-2	Original
7-88	3rd *	7-123	1st	12-1	Original
7-89	3rd *	8-1	Original	13-1	1st *
7-90	2nd	9-1	Original	13-2	1st *
7-91	1st	9-2	Original	13-3	Original
7-92	1st	9-3	Original	13-4	Original
7-93	1st	9-4	Original	13-5	Original
7-94	2nd	9-5	Original	13-6	Original
7-95	2nd	9-6	Original	13-7	Original
7-96	4th	9-7	Original	13-8	1st *
7-97	2nd	9-8	Original	13-9	Original
7-98	2nd	9-9	Original	13-10	1st *
7-98.1	1st	9-10	Original	13-11	Original
7-98.2	1st	9-11	Original	13-12	Original
7-99	3rd	9-12	Original	13-12.1	Original
7-100	5th	9-13	Original	13-12.2	Original
7-101	1st	9-14	Original	13-13	Original
7-102	1st	9-15	1st	13-14	Original
7-103	1st	9-16	Original	13-15	Original
7-104	1st	9-17	Original	13-16	Original
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13-20	Original	15-31	1st *	16-11	1st *
13-21	Original	15-32	Original	16-12	2nd *
13-22	1st	15-33	1st *	16-13	2nd *
13-23	1st	15-34	1st *	16-14	2nd *
13-24	Original	15-35	1st *	16-15	2nd *
13-25	Original	15-36	1st *	16-16	2nd *
13-26	Original	15-37	1st *	16-17	2nd *
13-27	Original	15-38	Original	16-18	1st *
13-28	Original	15-39	2nd *	16-19	2nd *
13-29	Original	15-40	1st *	16-20	2nd *
14-1	Original	15-41	1st *	16-21	1st *
15-1	Original	15-42	Original	16-22	1st *
15-2	Original	15-43	2nd *	16-23	1st *
15-3	Original	15-44	1st *	16-24	2nd *
15-4	Original	15-45	Original	16-25	2nd *
15-5	Original	15-46	1st *	16-26	3rd *
15-6	Original	15-47	Original	16-27	3rd *
15-7	Original	15-48	Original	16-28	2nd *
15-8	Original	15-49	Original	16-29	2nd *
15-9	Original	15-50	Original	16-30	2nd *
15-10	Original	15-51	Original	16-31	2nd *
15-11	Original	15-52	Original	16-32	2nd *
15-12	Original	15-53	Original	16-33	2nd *
15-13	Original	15-54	Original	16-34	2nd *
15-14	Original	15-55	Original	16-35	2nd *
15-15	Original	15-56	Original	16-36	2nd *
15-16	Original	15-57	1st *	16-37	2nd *
15-17	Original	15-58	Original	16-38	2nd *
15-18	Original	15-59	1st *	16-39	2nd *
15-19	Original	15-60	Original	16-40	2nd *
15-20	Original	15-61	Original	16-41	2nd *
15-21	Original	16-1	3rd *	16-42	2nd *
15-22	Original	16-2	1st *	16-43	2nd *
15-23	Original	16-3	2nd *	16-44	2nd *
15-24	Original	16-4	2nd *	16-45	2nd *
15-25	1st *	16-5	2nd *	16-46	2nd *
15-26	Original	16-6	2nd *	16-47	2nd *
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16-53	2nd *	17-31	4th *	17-71	4th *
16-54	2nd *	17-32	4th *	17-71.1	3rd *
16-55	2nd *	17-33	4th *	17-72	4th *
16-56	2nd *	17-34	3rd	17-72.1	3rd *
16-57	2nd *	17-35	3rd	17-73	4th *
16-58	2nd *	17-36	3rd	17-73.1	3rd *
16-59	2nd *	17-37	3rd	17-73.2	3rd *
16-60	2nd *	17-38	3rd	17-73.3	3rd *
16-61	2nd *	17-39	3rd	17-73.4	3rd *
17-1	16th *	17-40	4th *	17-74	4th *
17-1.1	6th	17-41	3rd *	17-74.1	3rd *
17-1.1.1.0	3rd	17-42	4th *	17-74.2	3rd *
17-1.1.1	2nd	17-43	4th *	17-74.3	3rd *
17-1.2	5th	17-44	4th *	17-74.4	3rd *
17-2	21st	17-45	4th *	17-75	4th *
17-3	3rd	17-46	4th *	17-75.1	3rd *
17-4	5th	17-47	4th *	17-75.2	3rd *
17-5	5th	17-48	4th *	17-76	3rd
17-6	5th	17-49	4th *	17-77	3rd
17-7	4th	17-50	4th *	17-78	4th
17-8	6th	17-51	3rd	17-79	4th
17-9	2nd	17-52	4th *	17-80	3rd
17-10	4th	17-53	4th *	17-81	3rd
17-11	2nd	17-54	4th *	17-82	4th
17-12	6th	17-55	4th *	17-83	4th
17-13	6th	17-56	4th *	17-83.1	5th
17-14	6th	17-57	4th *	17-83.1.1	2nd
17-15	3rd	17-58	4th *	17-83.2	5th
17-16	4th	17-59	4th *	17-83.2.1	2nd
17-17	4th	17-60	6th *	17-83.3	4th
17-18	4th	17-61	1st *	17-83.3.1	2nd
17-19	4th	17-62	4th *	17-83.4	4th
17-20	7th	17-63	4th *	17-83.4.1	2nd
17-21	9th	17-64	4th *	17-83.5	5th
17-21.1	5th	17-65	4th *	17-83.5.1	2nd
17-22	1st	17-66	4th *	17-83.6	5th
17-23	Original	17-67	5th *	17-83.6.1	2nd
17-24	1st *	17-68	4th *	17-83.7	4th
17-25	4th *	17-69	4th *	17-83.7.1	2nd
17-26	4th *	17-69.1	3rd *	17-83.8	4th
17-27	4th *				
17-28	2nd *				

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17-83.74.0	1st	17-83.84	2nd	17-84	4th *
17-83.74.0.1	1st	17-83.85	2nd	17-85	Original
17-83.74.0.2	1st	17-83.86	2nd	17-86	Original
17-83.74.1	2nd	17-83.87	1st	17-87	1st
17-83.74.2	2nd	17-83.88	1st	17-88	Original
17-83.74.3	2nd	17-83.89	1st	17-89	Original
17-83.74.4	2nd	17-83.90	1st	17-90	Original
17-83.74.5	2nd	17-83.91	1st	17-91	Original
17-83.74.6	2nd	17-83.92	1st	17-92	Original
17-83.74.7	2nd	17-83.93	1st	17-93	2nd
17-83.74.8	2nd	17-83.94	1st	17-94	Original
17-83.74.9	2nd	17-83.95	1st	17-94.1	Original
17-83.74.10	2nd	17-83.96	1st	17-95	1st *
17-83.74.11	2nd	17-83.97	1st	17-96	Original
17-83.74.12	2nd	17-83.98	1st	17-97	Original
17-83.74.13	2nd	17-83.99	1st	17-97.1	1st *
17-83.74.14	2nd	17-83.100	1st	17-98	6th *
17-83.74.15	2nd	17-83.101	1st	17-99	3rd*
17-83.74.16	2nd	17-83.102	1st	17-100	5th*
17-83.74.17	2nd	17-83.103	1st	17-101	3rd*
17-83.74.18	2nd	17-83.104	1st	17-102	4th*
17-83.74.19	2nd	17-83.105	1st	17-103	3rd*
17-83.74.20	2nd	17-83.106	1st	17-104	4th*
17-83.74.21	2nd	17-83.107	1st	17-105	3rd*
17-83.74.22	2nd	17-83.108	1st	17-105.1	2nd*
17-83.74.23	2nd	17-83.109	1st	17-106	4th*
17-83.74.24	2nd	17-83.110	1st	17-107	3rd*
17-83.74.25	2nd	17-83.111	1st	17-108	3rd*
17-83.74.26	2nd	17-83.112	1st	17-109	3rd*
17-83.75	2nd	17-83.113	1st	17-110	3rd*
17-83.76	2nd	17-83.114	1st	17-111	3rd*
17-83.77	2nd	17-83.115	1st	17-112	3rd*
17-83.78	2nd	17-83.116	1st	17-113	3rd*
17-83.79	2nd	17-83.117	1st	17-114	3rd*
17-83.80	2nd	17-83.118	1st	17-115	3rd*
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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

ACR	-	Alternate Carrier Routing	
ADA	-	Abbreviated Dialing Arrangement	
ADM	-	Add/Drop Multiplexing	
AIN	-	Advanced Intelligent Network	(D)
AML	-	Actual Measured Loss	
ANI	-	Automatic Number Identification	
AP	-	Program Audio	(D)
BHMC	-	Busy Hour Minutes of Capacity	(D)
CBR	-	Constant Bit Rate	
CCS	-	Common Channel Signaling	
CDP	-	Customer Designated Premises	
CI	-	Channel Interface	
CIR	-	Committed Information Rate	
CNP	-	Charge Number Parameter	
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	(D)

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EXPLANATION OF ABBREVIATIONS (Cont'd)

EAS	-	Extended Area Service	
EDD	-	Envelope Delay Distortion	
EML	-	Expected Measured Loss	
EPL	-	Echo Path Loss	
ERL	-	Echo Return Loss	
ESS	-	Electronic Switching System	
ESSX	-	Electronic Switching System Exchange	(D)
f	-	frequency	
F.C.C.	-	Federal Communications Commission	(D)
GETS	-	Government Emergency Telecommunications Service	
HC	-	High Capacity	
HPC	-	High Probability of Completion	
Hz	-	Hertz	
IC	-	Interexchange Carrier	
ICB	-	Individual Case Basis	
ICL	-	Inserted Connection Loss	
ISDN BRI	-	Integrated Services Digital Network Basic Rate Interface	
ISDN PRI	-	Integrated Services Digital Network Primary Rate Interface	
kbps	-	kilobits per second	
kHz	-	kilohertz	
LAN	-	Local Area Network	
LATA	-	Local Access and Transport Area	
LNP	-	Local Number Portability	
LRN	-	Location Routing Number	
ma	-	milliamperes	
Mbps	-	Megabits per second	
mcs	-	Microsecond	
MHz	-	Megahertz	
MM-VCC	-	MultiMedia Virtual Circuit Channel	
MRC	-	Monthly Recurring Charge	(D)
MTS	-	Message Telecommunications Service(s)	
NNI	-	Network to Network Interface	
NPA	-	Numbering Plan Area	
NRC	-	Nonrecurring Charge	
NXX	-	Three-Digit Central Office Prefix	(D)
PBX	-	Private Branch Exchange	(D)
PIC	-	Presubscribed Interexchange Carrier	
POT	-	Point of Termination	
PSTN	-	Public Switched Telephone Network	
PVU	-	Percent VoIP Usage	(D)

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EXPLANATION OF ABBREVIATIONS (Cont'd)

SAC	-	Service Access Code	(D)
SNAL	-	Signaling Network Access Line	(D)
SP	-	Signaling Point	
SPOI	-	Signaling Point of Interface	
SRL	-	Singing Return Loss	
SSP	-	Service Switching Point	
SS7	-	Signaling System 7	
STP	-	Signal Transfer Point	(D)
SWC	-	Serving Wire Center	
TDM	-	Time Division Multiplexing	(D)
TLP	-	Transmission Level Point	(D)
UBR	-	Unspecified Bit Rate	
UNI	-	User Network Interface	
V & H	-	Vertical & Horizontal	
VBR-nrt	-	Variable Bit Rate – non-real time	
VBR-rt	-	Variable Bit Rate – real time	
VCC	-	Virtual Circuit Channel	
VG	-	Voice Grade	
VoIP	-	Voice over Internet Protocol	
VP	-	Virtual Path	
WATS	-	Wide Area Telecommunications Service(s)	
WSC	-	Wireless Switching Center	
WSO	-	WATS Serving Office	

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REFERENCE TO OTHER TARIFFS

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

The following tariffs are referenced in this tariff and may be obtained from the Federal Communications Commission's commercial contractor:

National Exchange Carrier
Association, Inc.
Special Construction
Tariff F.C.C. No. 3

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

REFERENCE TO TECHNICAL PUBLICATIONS

The following technical publications are referenced in this tariff and may be obtained from Telcordia Technologies Inc. (formerly Bell Communications Research, Inc. – Bellcore), Direct Sales, 8 Corporate Place, Piscataway, NJ 08854-4156 (www.telcordia.com).

Technical Reference:

(D)
|
(D)

PUB 41004 (MDP-326-584) Data Communications Using Voiceband
Private Line Channels
Issued: October 1973

PUB 62310 (MDP-326-726) Digital Data System Channel Interface
Specification
Issued: September 1983

TR-NPL-000258 Compatibility Information for Feature Group D
Switched Access Service
Issued: October 1985

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REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

GR-334-CORE Issue 1 Switched Access Service:
Transmission Parameter Limits and Interface Combinations
Issued: June 1994

TR-NWT-000335, Issue 3 Voice Grade Special Access Service -
Transmission Parameter Limits and Interface Combinations
Issued: May 1993

GR-337-CORE, Issue 1 Program Audio Special Access Service and
Local Channel Services
Issued: December 1995

TR-NWT-000341 Digital Data Special Access Service - Transmission
Parameter Limits and Interface Combinations
Issued: Issue 2, February 1993

GR-342-CORE, Issue 1 High Capacity Digital Special Access Service
– Transmission Parameters Limits and Interface Combinations
Issued: December 1995

SR-307 Common Language NC/NCI Dictionary
Issued: Issue 6, July 2007

GR-506-CORE, Issue 2 Signaling for Analog Interfaces
(LSSGR)
Issued: December 2006

GR-54-CORE, Issue 1 DS1 High Capacity Digital Service
End User Metallic Interface Specifications
Issued: December 1995

GR-905-CORE, Issue 10 Common Channel Signaling Network Interface
Specification
Available: December 2007

GR-394-CORE Issue 7 Switching System Generic Requirements for
Interexchange Carrier Interconnection Using the Integrated
Services Digital Network User Part (ISDNUP)
Issued: December 2003

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REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

GR-2936-CORE Issue 3 Local Number Portability (LNP) Capability
Specification Service Provider Portability
Issued: November 1997

ST-TEC-000053 Telecommunications Transmission Engineering
Volume 3 - Networks and Services (Chapters 6 and 7)
Third Edition, 1980
Issued: August 1989

(D)

(D)

The following technical publication is referenced in this tariff and may be obtained from the National Exchange Carrier Association, Inc., Director - Access Tariffs, 80 So. Jefferson Road, Whippany, NJ 07981 and the Federal Communications Commission's commercial contractor.

PUB AS No. 1, Issue II Access Service
Issued: May 1984
Addendum: March 1987

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

Telecommunications Service Priority (TSP) System for National
Security Emergency Preparedness (NSEP) Service Vendor Handbook,
National Communications System (NCSH 3-1-2).

Issued: July 1990
Revised: December 2000

Telecommunication Service Priority (TSP) System for National Security Emergency Preparedness
(NSEP) Service User Manual, National Communications System (NCSM 3-1-1).

Issued: July 1990
Revised: May 2000

The following publication is referenced in this tariff and may be obtained from Director-Sales Operations, Integrated Network Corporation, P.O. Box 6875, Bridgewater, NJ 08807.

Integrated Network Corporation
Document CB-INC-100
Available: June 1990

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REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

The following technical publications are referenced in this tariff and may be obtained from American National Standards Institute, 1430 Broadway, New York, New York 10018.

ANSI T1.102-1993, Digital Hierarchy - Electrical Interfaces.

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REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

The following technical publication is referenced in this tariff and may be obtained from the Institute of Electrical and Electronics Engineers, Inc. (IEEE), 445 Hoes Lane, Piscataway, NJ 08854-4141 (www.ieee.org).

IEEE Std. 802.3 - 2005, Information Technology – Telecommunications and Information Exchange Between Systems – Local and Metropolitan Area Networks – Specific Requirements, Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications, Sections 1 through 5.

The following technical publications are referenced in this tariff and may be obtained from the Alliance for Telecommunications Industry Solutions (ATIS), 1200 G Street N.W., Suite 500, Washington, DC 20005 (www.atis.org).

Multiple Exchange Carrier Access Billing (MECAB) Guidelines
Issued: December 2006

Multiple Exchange Carrier Ordering and Design (MECOD) Guidelines
Issued: November 2006

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1. APPLICATION OF TARIFF

- 1.1 This tariff contains regulations, rates and charges applicable to the provision of Carrier Common Line, End User Access, Switched Access Service, Special Access End User Channel Termination(s) in non-competitive areas, Universal Service Fund and other miscellaneous services, hereinafter referred to collectively as service (s). These services are provided to customers by each issuing carrier of this tariff (hereinafter the Telephone Company or Company). This tariff also contains Access Ordering regulations and charges that are applicable when these services are ordered or modified by the customer. (C)
(C)
- The Special Access Service regulations, rates and charges located in this tariff are for Special Access EUCT in non-competitive areas. In some instances, Special Access Services will be referred to in general terms to assist in understanding the services that encompass an entire circuit. (N)
- Special Access Service that remains subject to Section 203 of the Communications Act must be filed in this tariff. Special Access Service not subject to Section 203 is provided outside this tariff. Documents, agreements or contracts that provide service outside this tariff may be accessed at the Company's website or the Company's other designated location. Rates and regulations for Special Access Service provided outside this tariff cannot supersede, negate or revise the rates and regulations contained within this tariff, and deemed lawful status does not convey to such non-tariffed services. (N)
- Pursuant to the Commission's Rules, regulations concerning administration and billing of Universal Service Fund rates and charges are contained in Sections 3, 17, 18 and 19 herein.
- 1.2 The provision of such services by the Company as set forth in this tariff does not constitute a joint undertaking with the customer for the furnishing of any service. (T)

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2. General Regulations

For Special Access General Regulations only, Non-Competitive End User Channel Terminations (EUCTs) are filed as part of this tariff. General Regulations for other Special Access Services to complete the circuit are outside this tariff and can be accessed at the Company's website or Company's other designated location.

(N)

(N)

2.1 Undertaking of the Telephone Company2.1.1 Scope

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

2.1.2 Limitations(A) Assignment or Transfer of Services

The customer may assign or transfer the use of services provided under this tariff only where there is no interruption of use or relocation of the services. Such assignment or transfer may be made to:

- (1) another customer, whether an individual, partnership, association or corporation, provided the assignee or transferee assumes all outstanding indebtedness for such services, and the unexpired portion of the minimum period and the termination liability applicable to such

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2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.10 Coordination with Respect to Network Contingencies

The customer shall, in cooperation with the Company, coordinate in planning the actions to be taken to maintain maximum network capability following natural or man-made disasters, which affect telecommunications services. (T)

2.3.11 Jurisdictional Report and Certification Requirements(A) Certification Requirements - Special Access Service (C)

When the customer orders Special Access Service, and the customer certifies to the Company in writing that more than ten percent of the traffic is interstate, the service is considered to be interstate and is provided under this Tariff. (D)
(T)

(D)

(D)

Following initial certification, should the jurisdictional nature of the customer's Special Access change, the customer should inform the Company in writing of the change. The effective date of the change will be the date the Company receives the customer's notice of change. No charge applies for the jurisdictional change. (D)
(T)
(T)

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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)Disputes Involving Jurisdictional Certification - Special Access Service (C)

If a dispute arises concerning the certification of projected interstate traffic as described in (A) above, the Company will ask the customer to provide the data the customer used to determine that more than 10% of the traffic is interstate. (T)
The customer shall supply the data within thirty (30) days of the Company request. If the reply results in a jurisdictional change of a Special Access Service, the effective date of the change will be the date the Company receives the customer's reply. There is no charge when the customer's reply results in a jurisdictional change in the Special Access Service. (D)

(C) Jurisdictional Reports - Switched Access Service (T)

For Switched Access Service, the Company cannot in all cases determine the jurisdictional nature of customer traffic and its related access minutes. In such cases the customer may be called upon to provide a projected estimate of its traffic, split between the interstate and intrastate jurisdictions. The following regulations govern such estimates, their reporting by the customer and cases where the Company will develop jurisdictional percentages. (T)

(1) General

Except where Company measured access minutes are used as set forth following, the customer shall report the percentage of interstate use as set forth in (2) or (3), following and such report will be used for billing purposes until the customer reports a different projected interstate percentage for an in-service end office group. When the customer adds BHMC, lines or trunks to an existing end office group, the customer shall furnish a revised projected interstate percentage that applies to the total BHMC, lines or trunks. (T)

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

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

(B) Bill Dates

The Company shall bill on a current basis all charges incurred by and credits due to the customer under this tariff attributable to services established or discontinued during the preceding billing period. In addition, the Company shall bill in advance charges for all services to be provided during the ensuing billing period except for charges associated with service usage and for the Federal Government which will be billed in arrears. The bill day (i.e., the billing date of a bill for a customer for Access Service under this tariff), the period of service each bill covers and the payment date will be as follows:

(1) End User Access Service, Federal Universal Service and Presubscription

For End User Access Service, Federal Universal Service Charge and Presubscription Service, the Company will establish a bill day each month for each end user account or advise the customer in writing of an alternate billing schedule. Alternate billing schedules shall not be established on less than 60 days notice or initiated by the Company more than twice in any consecutive 12 month period. The bill will cover End User Access Service and Federal Universal Service Charge charges for the ensuing billing period except for End User Access Service and Federal Universal Service Charge for the Federal Government which will be billed in arrears. Any applicable PIC Charges, any known unbilled charges for prior periods and any known unbilled adjustments for prior periods for End User Access Service and Presubscription Service will be applied to this bill. Such bills are due when rendered.

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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.1 Payment of Rates, Charges and Deposits (Cont'd)(B) Bill Dates (Cont'd)

(1) (Cont'd)

(A) Access Services Other Than End User, Federal Universal Service Charge and Presubscription

(D)

For Service other than End User Access Service, Federal Universal Service Charge and Presubscription Service, the Company will establish a bill day each month for each customer account or advise the customer in writing of an alternate billing schedule. Alternate billing schedules shall not be established on less than 60 days notice or initiated by the Company more than twice in any consecutive 12 month period.

(D)
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(T)

The bill will cover nonusage sensitive service charges for the ensuing billing period for which the bill is rendered, any known unbilled nonusage sensitive charges for prior periods and unbilled usage charges for the period after the last bill day through the current bill day. Any known unbilled usage charges for prior periods and any known unbilled adjustments will be applied to this bill. Payment for such bills is due in immediately available funds by the payment date, as set forth in (C) following. If payment is not received by the payment date, a late payment penalty will apply as set forth in (C) following.

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2. General Regulations(Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

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

(C) Payment Dates and Late Payment Penalties

- (1) All bills dated as set forth in (B)(2) preceding for service, other than End User Service, Federal Universal Service Charge and Presubscription Service, provided to the customer by the Company are due 31 days (payment date) after the bill day or by the next bill date (i.e., same date in the following month as the bill date), whichever is the shortest interval, except as provided herein, and are payable in immediately available funds. If the customer does not receive a bill at least 20 days prior to the 31 day payment due date, then the bill shall be considered delayed. When the bill has been delayed, upon request of the customer the due date will be extended by the number of days the bill was delayed. Such request of the customer must be accompanied with proof of late bill receipt.

(D)
(T)

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

When a rate as set forth in this tariff is shown to more than two decimal places, the charges will be determined using the rate shown. The resulting amount will then be rounded to the nearest penny (i.e., rounded to two decimal places).

2.4.2 Minimum Periods

The minimum period for which services are provided and for which rates and charges are applicable is one month except for those usage rated services set forth in Section 6 (Switched Access Service) and those services set forth in 6.1.3 (Switched Access High Capacity DS3 Entrance Facility and Direct Trunked Transport), 7.2.4, (Part-time Program Audio), and 7.2.8 (High Capacity DS1 and DS3 Service) or as otherwise specified.

(C)
(C)

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

When a service is discontinued prior to the expiration of the minimum period, charges are applicable, whether the service is used or not, as follows:

(A) When a service with a one month minimum period is discontinued prior to the expiration of the minimum period, a one month charge will apply at the rate level in effect at the time service is discontinued.

(B) When a service with a minimum period greater than one month is discontinued prior to the expiration of the minimum period, the applicable charge will be the lesser of (1) the Company's total nonrecoverable costs less the net salvage value for the discontinued service or (2) the total monthly charges, at the rate level in effect at the time service is discontinued, for the remainder of the minimum period.

(T)

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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.3 Cancellation of an Order for Service

Provisions for the cancellation of an order for service are set forth in other applicable sections of this tariff.

2.4.4 Credit Allowance for Service Interruptions(A) General

A service is interrupted when it becomes unusable to the customer because of a failure of a facility component used to furnish service under this tariff or in the event that the protective controls applied by the Company result in the complete loss of service by the customer as set forth in 6.2.1 following. An interruption period starts when an inoperative service is reported to the Company, and ends when the service is operative.

(T)

(T)

(B) When a Credit Allowance Applies

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

For Digital Data Access, D1 through D4 and High Capacity, HC1, Special Access Non-Competitive End User Channel Termination(s) (EUCTs), any period during which the error performance is below that specified for the service will be considered as an interruption.

(C)

Service interruptions for Specialized Service or Arrangements provided under Section 12 following shall be administered in the same manner as those set forth in this section (2.4.4) unless other regulations are specified with the individual case filing.

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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)

Credit allowances are computed as follows:

(1) Special Access Service other than Program Audio and Flat Rated Switched Access Service Rate Elements (C)

For Special Access Services other than Program Audio and flat rated Switched Access Service rate elements (i.e., Entrance Facility, Direct Trunked Transport and Multiplexing), 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)

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 Special Access Non-Competitive End User Channel Terminations (EUCT), optional features and functions and other Special Access Services). (C)
(C)

(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 Special Access Non-Competitive EUCT per customer designated premises, optional features and functions and other Special Access Services). (C)
(C)

(c) Reserved For Future Use (T)

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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 Flat Rated (C)
Switched Access Service Rate Elements (Cont'd) (C)

(d) Reserved For Future Use (T)

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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 Flat Rated Switched Access Service Rate Elements (Cont'd) (C)
(C)

- (e) Reserved For Future Use (C)

(D)

(D)

- (f) Flat Rated Switched Access Service Rate Elements (C)

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).

(D)

(D)

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

- (2) Program Audio Special Access Non-Competitive End User Channel Termination(s) (EUCT) (C)
(C)

For Program Audio Special Access Non-Competitive EUCT, no credit shall be allowed for an interruption of less than 30 seconds. The customer shall be credited for an interruption of 30 seconds or more as follows: (C)

- (a) For two-point services, when monthly rates are applicable, the credit shall be at the rate of 1/8640 of the monthly charges for the service for each period of 5 minutes or fraction thereof that the interruption continues.
- (b) For two-point services, when daily rates are applicable, the credit shall be at the rate of 1/288 of the daily charges for the service for each period of 5 minutes or fraction thereof that the interruption continues.
- (c) For multipoint services, when monthly rates are applicable, the credit shall be at the rate of 1/8640 of the monthly charges for each Non-Competitive EUCT and other Special Access Services and optional features and functions that are inoperative for each period of 5 minutes or fraction thereof that the interruption continues. (C)
(C)

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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.4 Credit Allowance for Service Interruptions (Cont'd)(B) When a Credit Allowance Applies (Cont'd)(2) Program Audio Special Access Non-Competitive End User Channel Termination(s) (EUCT) (Cont'd) (C)
(C)

(d) For multipoint services, when daily rates are applicable, the credit shall be at the daily rate of 1/288 of the daily charges for Non-Competitive EUCT and other Special Access Services and optional features and functions that are inoperative for each period of 5 minutes or fraction thereof that the interruption continues. (C)
(C)

(e) For multipoint services, the credit for the monthly or daily charges includes the charges for the distribution amplifier only when the distribution amplifier is inoperative.

(f) When two or more interruptions occur during a period of 5 consecutive minutes, such multiple interruptions shall be considered as one interruption.

(3) Switched Access Service and Directory Assistance Service Usage Rated Elements (T)

For Switched Access Service and Directory Assistance Service usage rated elements, no credit shall be allowed for an interruption of less than 24 hours. The customer shall be credited for an interruption of 24 hours or more at the rate of 1/30 of any applicable monthly rate or assumed minutes of use charge for each period of 24 hours or major fraction thereof that the interruption continues.

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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 (Cont'd)

(2) Meet Point Billing (Cont'd)

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

(vi) Reserved For Future Use

(C)
(D)

(D)

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- Feature Group D Switched Access Service is ordered to End Office A. (T)
- Originating End Office and Access Tandem are in the operating territory of a Telephone Company (TC-A).
- Customer Designated Premises is in the operating territory of a Telephone Company (TC-B).
- Assumptions:
 - - o TC-A Direct Trunk Transport BP = 40%
 - o TC-B Direct Trunk Transport BP = 60%
 - o Direct Trunked Transport mileage = 26 mi.
 - o Tandem Switched Transport mileage = 23 mi.

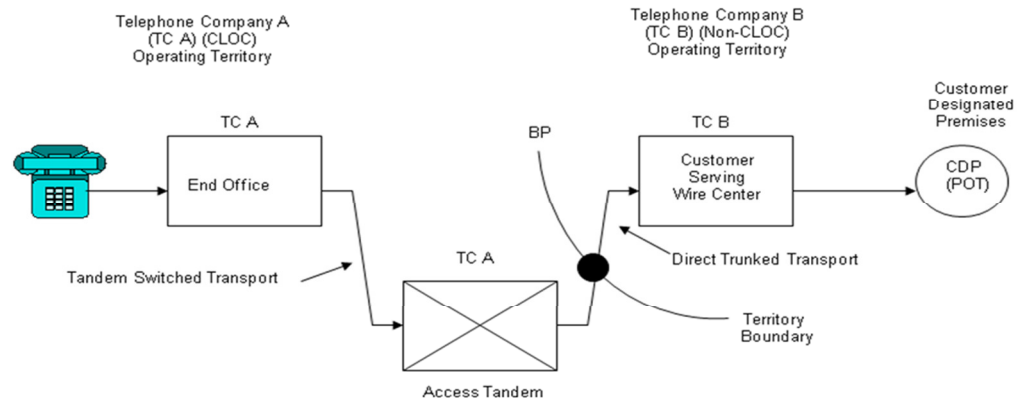
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Telephone Company A charges are:

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

Tandem Switched Facility charge
= 9,000 min. x 23 mi. x TSF rateTandem Switched Termination charge
= 2 terminations x 9,000 min. x TST rateTandem Switching charge
= 9,000 min x TS rateDirect Trunked Facility charge
= 26 miles x DTF rate x 40%Direct Trunked Termination charge
= 1 termination x DTT rateShared Multiplexing charge
= 9,000 min x SM rateISSUE DATE:
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(T)

- Feature Group D Switched Access Service is ordered to End Office. (T)
- Terminating Access Tandem is owned by CLOC ILEC carrier (TC-A) and End Office is owned by a non-CLOC carrier (TC-B)
- Assumptions:
 - o TC-A Direct Trunk Transport BP = 40% (where applicable Diagram 2A)
 - o TC-B Direct Trunk Transport BP = 60% (where applicable Diagram 2A)
 - o Direct Trunk Transport mileage = 26 mi.
 - o TC-A Tandem Switched Transport BP = 20%
 - o TC-B Tandem Switched Transport BP = 80%
 - o Tandem Switched Transport mileage = 23 mi.

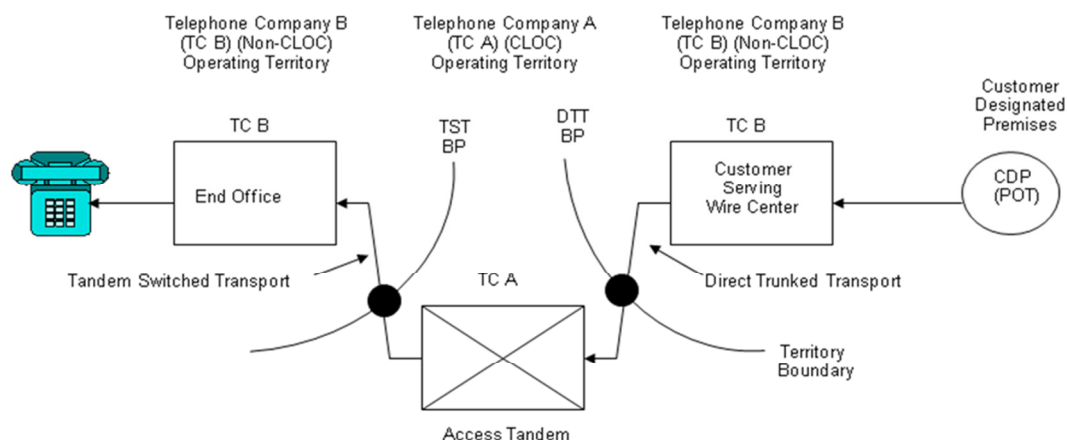
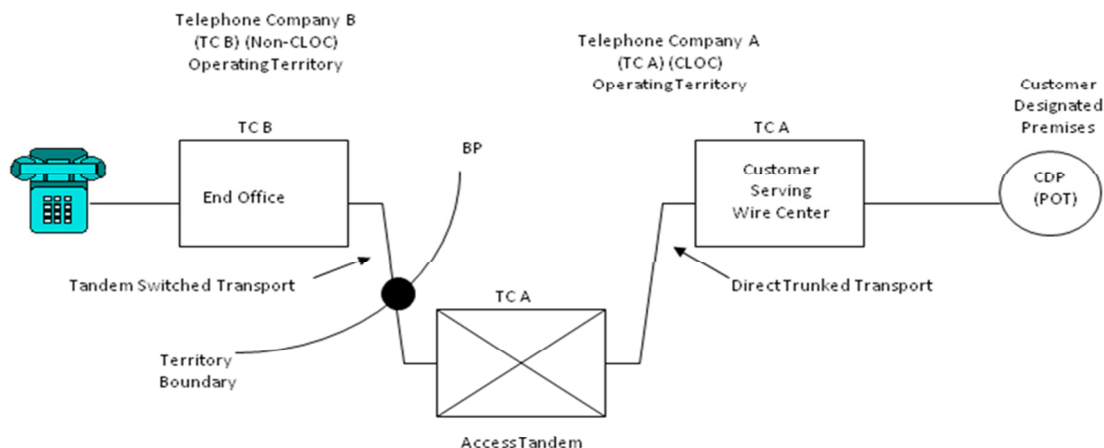
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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)(2) Meet Point Billing (Cont'd)(C) Determination of Meet Point Billed Local Transport, Directory Transport and Channel Mileage Charges (Cont'd)(ix) Example 2: Terminating Switched Access Service Tandem 3rd Party (See Diagram 2A and 2B) (Cont'd)

(T)

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Diagram 2ADiagram 2B

BP = Billing Percentage

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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 (Cont'd)(2) Meet Point Billing (Cont'd)(C) Determination of Meet Point Billed Local Transport, Directory Transport and Channel Mileage Charges (Cont'd)(ix) Example 2: Terminating Switched Access Service Tandem 3rd Party (See Diagram 2A and 2B) (Cont'd) (T)
(T)

- Telephone Company A charges are: (T)

Tandem Switched Facility – 3rd Party charge
= 9,000 min. x 23 mi. x TSF-3rd Party rate x 20%

Tandem Switched Termination – 3rd Party charge
= 1 termination x 9,000 min. x TST-3rd Party rate

Tandem Switching – 3rd Party charge
= 9,000 min. x TS-3rd Party rate

Direct Trunked Facility charge
2A = 26 miles x DTF rate x 40%
2B = 26 miles x DTF rate

Direct Trunked Termination charge
2A = 1 termination x DTT rate
2B = 2 termination x DTT rate

Shared Multiplexing – 3rd Party charge
= 9,000 min x SM-3rd Party rate

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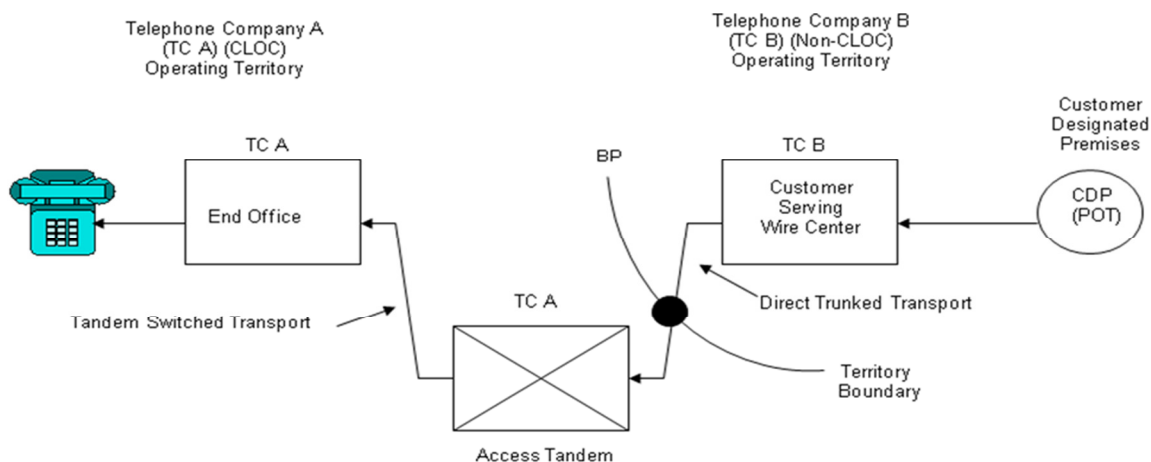
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- Feature Group D Switched Access Service is ordered to End Office. (T)
- Terminating End Office and Access Tandem are both owned by a CLOC ILEC (TC-A)
- Assumptions:
 - o TC-A Direct Trunk Transport BP = 40%
 - o TC-B Direct Trunk Transport BP = 60%
 - o Direct Trunk Transport mileage = 26 mi.
 - o Tandem Switched Transport mileage = 23 mi.

Diagram 3

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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 (Cont'd)(2) Meet Point Billing (Cont'd)(C) Determination of Meet Point Billed Local Transport, Directory Transport and Channel Mileage Charges (Cont'd)(x) Example 3: Terminating Switched Access Service Tandem End Office (See Diagram 3) (Cont'd) (T)
(T)

- Telephone Company A charges are:

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

Tandem Switched Facility – End Office charge
= 9,000 min. x 23 mi. x TSF-End Office rate

Tandem Switched Termination – End Office charge
= 2 terminations x 9,000 min. x TST-End Office rate

Tandem Switching – End Office charge
= 9,000 min. x TS-End Office rate

Direct Trunked Facility Charge
= 26 miles x DTF rate x 40%

Direct Trunked Termination charge
= 1 termination x DTT rate

Shared Multiplexing – End Office charge
= 9,000 min x SM-End Office rate

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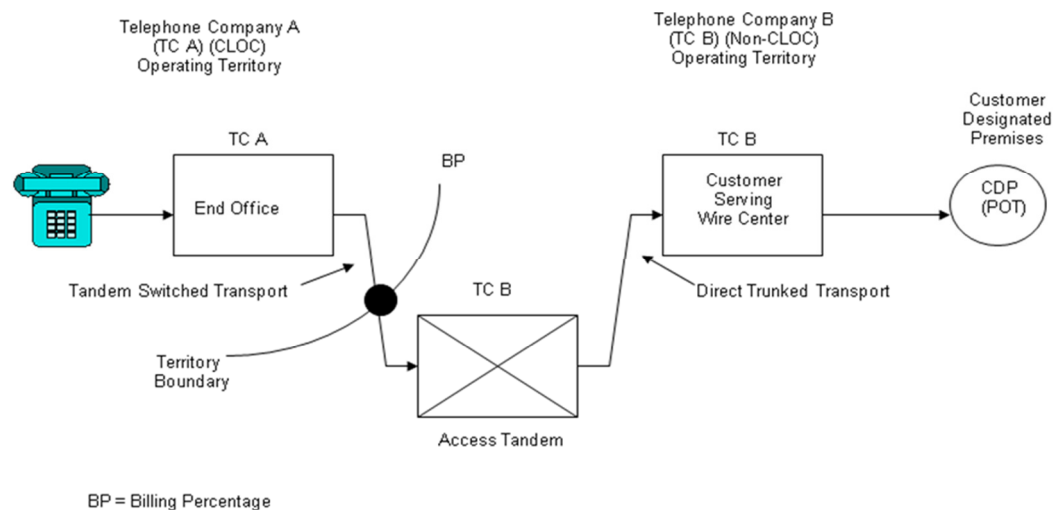
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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)(2) Meet Point Billing (Cont'd)(C) Determination of Meet Point Billed Local Transport, Directory Transport and Channel Mileage Charges (Cont'd)(xi) Example 4: Originating Switched Access Service CLOC Owns Only the End Office (See Diagram 4) (T)

- Feature Group D Switched Access Service is ordered to End Office (T)
- End Office is owned by CLOC (TC-A)
- Access Tandem is owned by a non-CLOC ILEC (TC-B)
- Assumptions:
 - o Direct Trunk Transport mileage = 26 mi.
 - o TC-A Tandem Switched Transport BP = 80%
 - o TC-B Tandem Switched Transport BP = 20%
 - o Tandem Switched Transport mileage = 23 mi.

Diagram 4

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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 (Cont'd)

(2) Meet Point Billing (Cont'd)

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

(xi) Example 4: Originating Switched Access Service CLOC Owns Only the End Office (See Diagram 4) (Cont'd) (T)

- 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

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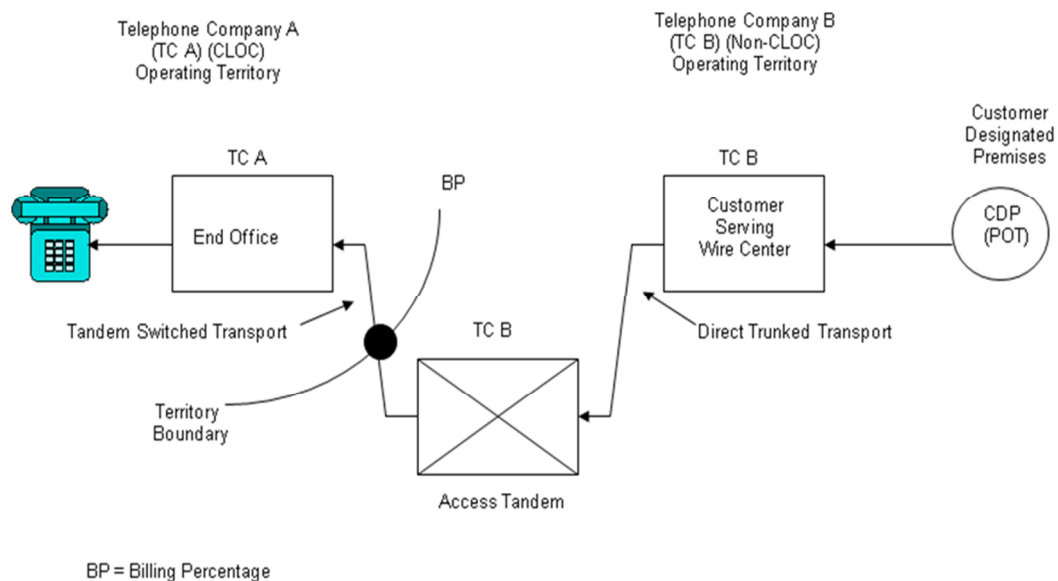
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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)(2) Meet Point Billing (Cont'd)(C) Determination of Meet Point Billed Local Transport, Directory Transport and Channel Mileage Charges (Cont'd)(xii) Example 5: Terminating Switched Access Service –Tandem 3rd Party (See Diagram 5) (T)

- Feature Group D Switched Access is ordered to End Office
- End Office is owned by Telephone Company (CLOC) (TC-A)
- Access Tandem is owned by a non-CLOC ILEC (TC-B)

Diagram 5

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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 (Cont'd)(2) Meet Point Billing (Cont'd)(C) Determination of Meet Point Billed Local Transport, Directory Transport and Channel Mileage Charges (Cont'd)(xii) Example 5: Terminating Switched Access Service –Tandem 3rd Party (See Diagram 5) (Cont'd) (T)
(T)

- Telephone Company A charges are:

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

Tandem Switched Facility 3rd Party charge
= 9,000 min. x 23 mi. x TSF-3rd Party rate x 80%

Tandem Switched Termination 3rd Party charge
= 1 termination x 9,000 min. x TST-3rd Party rate

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2. General Regulations (Cont'd)

2.5 Connections

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

(T)
(C)
(T)

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2. General Regulations (Cont'd)2.6 Definitions

Certain terms used herein are defined as follows:

Access Code

The term "Access Code" denotes a uniform five or seven digit access code assigned by the Company to an individual customer. The five digit access code has the form 10XXX, and the seven digit code has the form 950-1XXX or 950-0XXX.

(T)

Access Minutes

For the purpose of calculating chargeable usage, the term "Access Minutes" denotes customer usage of exchange facilities in the provision of interstate or foreign service. On the originating end of an interstate or foreign call, usage is measured from the time the originating end user's call is delivered by the Company to and acknowledged as received by the customer's facilities connected with the originating exchange. On the terminating end of an interstate or foreign call, usage is measured from the time the call is received by the end user in the terminating exchange. Timing of usage at both originating and terminating ends of an interstate or foreign call shall terminate when the calling or called party disconnects, whichever event is recognized first in the originating and terminating exchanges, as applicable.

(T)

Access Tandem

The term "Access Tandem" denotes a Company or centralized equal access provider switching system that provides a concentration and distribution function for originating or terminating traffic between end offices and a customer designated premises.

(T)

(D)

(D)

Aggregator

The term "Aggregator" denotes any person that, in the ordinary course of its operations, makes telephones available to the public or to transient users of its premises, for interstate telephone calls using a provider of operator services.

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Answer/Disconnect Supervision

The term "Answer/Disconnect Supervision" denotes the transmission of the switch trunk equipment supervisory signal (off-hook or on-hook) to the customer's point of termination as an indication that the called party has answered or disconnected.

(D)

Attenuation Distortion

The term "Attenuation Distortion" denotes the difference in loss at specified frequencies relative to the loss at 1004 Hz, unless otherwise specified.

(D)

Balance (100 Type) Test Line

The term "Balance (100 Type) Test Line" denotes an arrangement in an end office which provides for balance and noise testing.

Bit

The term "Bit" denotes the smallest unit of information in the binary system of notation.

Business Data Services (BDS)

The dedicated point-to-point transmission of data at certain guaranteed speeds and service levels using high-capacity connections.

(N)

(N)

Business Day

The term "Business Day" denotes the times of day that a company is open for business. Generally, in the business community, these are 8:00 or 9:00 a.m. to 5:00 or 6:00 p.m., respectively, with an hour for lunch, Monday through Friday, resulting in a standard forty (40) hour work week. However, Business Day hours for the Company may vary based on company policy, union contract and location. To determine such hours for an individual company, or company location, that company should be contacted at the address shown under the Issuing Carrier's name listed on Title Pages 2 through 68 preceding.

(T)

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Busy Hour Minutes of Capacity (BHMC)

The term "Busy Hour Minutes of Capacity (BHMC)" denotes the customer specified maximum amount of Switched Access Service and/or Directory Assistance Service access minutes the customer expects to be handled in an end office switch during any hour in an 8:00 a.m. to 11:00 p.m. period for the Feature Group and/or Directory Assistance Service ordered. This customer specified BHMC quantity is the input data the Company uses to determine the number of transmission paths for the Feature Group and/or Directory Assistance Service ordered.

(T)

Call

The term "Call" denotes a customer attempt for which complete address information (e.g., 0-, 911, or 10 digits) is provided to the serving dial tone office.

Carrier or Common Carrier

See Interexchange Carrier.

CCS

The term "CCS" denotes a hundred call seconds, which is a standard unit of traffic load that is equal to 100 seconds of usage or capacity of a group of servers (e.g., trunks).

(D)

Central Office

(D)

See End Office.

(D)

Competitive Services

(D)

All packet-based business data services; circuit-based Business Data Services above the DS3 bandwidth level; transport services which includes interoffice facilities, channel terminations between the serving wire center and point of presence, and all sub-elements established for the use of these transport facilities; DS1 & DS3 End User Channel Terminations, and other Special Access Services, in any competitive serving wire center; DS1 & DS3 End User Channel Terminations, and other Special Access Services.

(N)

(N)

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Customer Designated Premises

The term "Customer Designated Premises" denotes the premises specified by the customer for the provision of Access Service.

Customer Node

The term "Customer Node" denotes the equipment located at a customer designated premises that terminates a high speed optical channel and converts the signal from an optical to an electrical format. Each electrical signal requires a discrete Customer Premises Port connection (I.E., DS1, DS3, STS-1) that allows for the provision of lower level digital signals.

Data Transmission (107 Type) Test Line

The term "Data Transmission (107 Type) Test Line" denotes an arrangement which provides for a connection to a signal source which provides test signals for one-way testing of data and voice transmission parameters.

Decibel

The term "Decibel" denotes a unit used to express relative difference in power, usually between acoustic or electric signals, equal to ten (10) times the common logarithm of the ratio of two signal powers.

Decibel Reference Noise C-Message Weighting

The term "Decibel Reference Noise C-Message Weighting" denotes noise power measurements with C-Message Weighting in decibels relative to a reference 1000 Hz tone of 90 dB below 1 milliwatt.

Decibel Reference Noise C-Message Referenced to O

The term "Decibel Reference Noise C-Message Referenced to O" denotes noise power in "Decibel Reference Noise C-Message Weighting" referred to or measured at a zero transmission level point.

Detail Billing

The term "Detail Billing" denotes the listing of each message and/or rate element for which charges to a customer are due on a bill prepared by the Company.

(T)

(D)

(D)

Digital Switched 56 Service

A switched access optional feature available with Feature Group D Access, which provides for data transmission at up to 56 Kilobits per second.

ACCESS SERVICE

2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Expected Measured Loss

The term "Expected Measured Loss" denotes a calculated loss which specifies the end-to-end 1004-Hz loss on a terminated test connection between two readily accessible manual or remote test points. It is the sum of the inserted connection loss and test access loss including any test pads.

Extended Area Service

See Exchange.

First Point of Switching

The term "First Point of Switching" denotes the first Company or centralized equal access provider location at which switching occurs on the terminating path of a call proceeding from the customer designated premises to the terminating end office and, at the same time, the last Company or centralized equal access provider location at which switching occurs on the originating path of a call proceeding from the originating end office to the customer designated premises.

(D)

(D)

(T)

(T)

(D)

(D)

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Milliwatt (102 Type) Test Line

The term "Milliwatt (10 Type) Test Line" denotes an arrangement in an end office which provides a 1004 Hz tone at – dBm0 for one-way transmission measurements towards the customer's premises from the Company end office.

(T)

Mobile Telephone Switching Office (MTSO)

The term "Mobile Telephone Switching Office (MTSO)" denotes a Cellular Mobile Carrier (CMC) switching system that is used to terminate mobile stations for purposes of interconnection to each other and to trunks interfacing with the public switched network.

Network Control Signaling

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

Non-Competitive Serving Wire Center

A Company Serving Wire Center that has not met the Competitive Market Test as established by the FCC's BDS Order (17-43) on April 28, 2017 at \$69.803.

(N)

(N)

Nonsynchronous Test Line

The term "Nonsynchronous Test Line" denotes an arrangement in step-by-step end offices which provides operational tests which are not as complete as those provided by the synchronous test lines, but can be made more rapidly.

North American Numbering Plan

The term "North American Numbering Plan" denotes a three-digit area code (Numbering Plan Area – NPA) and a seven-digit telephone number made up of a three-digit Central Office prefix plus a four-digit station number.

Off-hook

The term "Off-hook" denotes the active condition of Switched Access or a Telephone Exchange Service line.

On-hook

The term "On-hook" denotes the idle condition of Switched Access or a Telephone Exchange Service line.

Open Circuit Test Line

The term "Open Circuit Test Line" denotes an arrangement in an end office which provides an ac open circuit termination of a trunk or line by means of an inductor of several Henries.

(D)

(D)

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)

(D)

Originating Direction

The term "Originating Direction" denotes the use of access service for the origination of calls from an End User Premises to an IC Premises.

Pay Telephone

The term "Pay Telephone" denotes a coin or coinless instrument provided in a public or semipublic place where Payphone Service Provider customers can originate telephonic communications and pay the applicable charges by (1) inserting coins into the equipment, or (2) using a credit card, or (3) third party billing the call or (4) calling collect.

Payphone Service Provider

The term "Payphone Service Provider" denotes an entity that provides pay telephone service, which is the provision of public, semi public or inmate pay telephone service.

(D)

(D)

Phase Jitter

The term "Phase Jitter" denotes the unwanted phase variations of a signal.

Point of Termination

The term "Point of Termination" denotes the point of demarcation within a customer-designated premises at which the Company's responsibility for the provision of Access Service ends.

(T)

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Signal Transfer Point (STP)

The term "Signal Transfer Point (STP)" denotes a packet switch which provides access to the Company's SS7 network and performs SS7 message signal routing and screening.

(T)

Signal Transfer Point (STP) Port

The term "Signal Transfer Point (STP) Port" denotes the point of termination and interconnection to the STP.

Singing Return Loss

The term "Singing Return Loss" denotes the frequency weighted measure of return loss at the edges of the voiceband (200 to 500 Hz and 2500 to 3200 Hz), where singing (instability) problems are most likely to occur.

Special Order

The term "Special Order" denotes an order for a Directory Assistance Service.

Subtending End Office of an Access Tandem

The term "Subtending End Office of an Access Tandem" denotes an end office that has final trunk group routing through that tandem.

Super-Intermediate Hub

A wire center at which bridging or multiplexing functions are performed for Customers served by all wire centers in the LATA. A Super Intermediate Hub can be restricted to one or more designated NPAs within a LATA and/or to wire centers that are owned by the same telephone company as the hub. Super Intermediate Hubs and the wire centers they serve are identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

(D)

(D)

Synchronous Test Line

The term "Synchronous Test Line" denotes an arrangement in an end office which performs marginal operational tests of supervisory and ring-tripping functions.

(D)

(D)

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5. Access Ordering

For Special Access ordering only, Non-Competitive End-User Channel Terminations (EUCTs) are filed as part of this tariff. Ordering for other Special Access Services to complete the circuit are outside this tariff and can be accessed at the Company's website or the Company's other designated locations.

(N)

(N)

5.1 General

This section sets forth the regulations and order related charges for services set forth in other sections of this tariff. Order related charges are in addition to other applicable charges for the services provided.

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

(C)

(C)

The regulations, rates and charges for special construction are set forth in Section 12 and are in addition to the regulations, rates and charges specified in this section.

A customer may order any number of services of the same type and between the same premises on a single Access Order. All details for services for a particular order must be identical except for those for multipoint service.

The customer shall provide to the Company the order information required in 5.2 following, and in addition the customer must also provide:

(T)

- Customer name and premises address(es).
- Billing name and address (when different from customer name and address).
- Customer contact name(s) and telephone number(s) for the following provisioning activities: order negotiation, order confirmation, interactive design, installation and billing.

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5. Access Ordering (Cont'd)5.1 General (Cont'd)5.1.1 Service Installation

The Company will provide the Access Service in accordance with the customer's requested service date, subject to the constraints established by the Company schedule of applicable service dates. (T)
(T)

The Company shall make available to all customers, upon request, a schedule of applicable service intervals for Switched Access Service and Special Access Service. The schedule shall specify the applicable service interval for services and the quantities of services that can be provided by a requested service date. Any associated material will be provided upon request and within a reasonable period of time. (T)
(T)

The Company will not accept orders for service dates which exceed the applicable service date by more than six months. (T)

Access Services will be installed during Company business days. If a customer requests that installation be done outside of scheduled work hours, and the Company agrees to this request, the customer will be subject to applicable Additional Labor Charges as set forth in rate sections following. (T)
(T)

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5. Access Ordering (Cont'd)5.1 General (Cont'd)5.1.2 Expedited Order Charge

An Expedited Order Charge will apply when a customer requests a service date that is earlier than the standard interval date for the following services ordered:

Voice Grade
Program Audio
Digital Data
DS1
DS3

(D)

If the Company agrees to provide the service on an expedited basis, an expedited order charge will apply.

The request for an earlier service date may be received from the customer prior to the issuance of an access order, or after the access order has been issued but prior to the service date. When the request for expediting occurs subsequent to the issuance of the Access Order, a Service Date Change Charge as set forth in rate sections following also applies.

If the Company is subsequently unable to meet an agreed upon expedited service date, no Expedited Order Charge will apply unless the missed service date was caused by the customer.

(T)

In the event the customer cancels an expedited access order, the Expedited Order Charge will apply in addition to cancellation charges as described in 5.5.3 following.

An Expedited Order Charge will not apply to access service orders expedited for Company reasons.

(T)

The Expedited Order Charge will apply per access order, per business day improved from the standard interval date to the in-service date. The rate for an Expedited Order Charge is set forth in Section 17.4.1 (E) following.

ACCESS SERVICE

5. Access Ordering (Cont'd)5.1 General (Cont'd)5.1.3 Selection of Facilities for Access Orders

The option to request a specific transmission path or channel is only provided for High Capacity Facilities Special Access Non-Competitive End User Channel Termination(s) (EUCTs), or provided for under Special Facilities Routing as set forth in Section 11 following. (C)
(C)

When there are High Capacity facilities to a hub on order or in service for the customer's use, the customer may request a specific channel or transmission path be used to provide the Switched Access Service or Special Access Non-Competitive EUCT requested in an Access Order. The Company will make a reasonable effort to accommodate the customer request. (C)
(C)

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5. Access Ordering (Cont'd)5.2 Ordering Requirements (Cont'd)5.2.2 Special Access Service

When placing an order for Special Access Non-Competitive End User Channel Terminations (EUCTs) the customer must specify: (C)
(C)

- the customer designated premises or hubs or ADM equipped wire centers involved
- type of service (e.g., Voice Grade, High Capacity, etc.) (T)
- the channel interface(s)
- technical specification package
- options desired
- for multipoint services, the channel interface at each customer designated premises may, at the request of the customer, be different but all such interfaces shall be compatible.
- that the traffic consists of more than ten percent interstate traffic.

All part-time Program Audio Service is subject to a service inquiry. A service inquiry is a request to the Company to determine if facilities exist to provide the service ordered and to determine the service date on which service can be provided to the customer. (D)
(T)

Where the Special Access Non-Competitive EUCT is exempt from the Special Access Surcharge, as set forth in 7.3 following the customer shall furnish written certification to that effect as set forth in 7.3.3 following. (C)

When ordering bridging, the Customer must specify the telephone company hub(s) from which they desire service. The Customer must specify only those hubs that provide the type of service ordered and interconnect with the wire center(s) from which the customer requires service. The Wire Center section of National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4 identifies hub types (e.g., Digital Data, High Capacity) and hub levels (i.e., Hub, Terminus Hub, Intermediate Hub and Super-Intermediate Hub). Additionally, the Subtending section of Tariff F.C.C. No. 4 identifies wire centers and the Intermediate and/or Super-Intermediate Hubs with which they interconnect. (D)
(D)

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

(D)

Special Access Non-Competitive End User Channel Termination (EUCT) may be ordered for connection with FGA, FGB, FGC or FGD Switched Access Service at Company designated WATS Serving Offices (WSOs) for the provision 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 Non-Competitive EUCT the customer shall specify:

(C)

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

(C)

(C)

When the optional screening, switching and/or recording functions are not provided at the customer serving wire center, Channel Mileage, which can be accessed on the Company's website or the Company's other designated locations, must be ordered between that wire center and the nearest WSO where the screening, switching and/or recording functions can be provided.

(C)

|

(C)

5.2.4 Mixed Use Facilities - Switched Access Service and Special Access Non-Competitive End User Channel Termination (EUCT)

(C)

(C)

Mixed use is the provision of both Switched Access Service and Special Access Non-Competitive EUCT over the same High Capacity facilities. Mixed use facilities to a hub will be ordered and provided as Special Access Non-Competitive EUCT. Where mixed use is employed, individual services utilizing these facilities must be ordered either as Switched Access Service or Special Access Non-Competitive EUCT 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.

(T)

(C)

|

(C)

(C)

ACCESS SERVICE

5. Access Ordering (Cont'd)5.2 Ordering Requirements (Cont'd)5.2.5 Miscellaneous Services

Testing Service, Additional Labor, Telecommunications Service Priority and Special Facilities Routing shall be ordered with an Access Order or may subsequently be added to a pending order at any time up to and including the service date for the access service. When miscellaneous services are added to a pending order a service date change may be required. When a service date change is required, the service date change charge as set forth in rate sections following will apply. When miscellaneous services are added to a pending order, charges for a design change as set forth in rate sections following will apply when an engineering review is required. If both a service date change and an engineering review are required, both the Service Date Change Charge and the Design Change Charge will apply as set forth in 5.4.3(B) following.

The rates and charges for these services, as set forth in rate sections of this tariff, will apply in addition to the ordering charges set forth in rate sections and the rates and charges for the Access Service with which they are associated.

Additional Engineering is not an ordering option, but will be applied to an Access Order when the Company determines that Additional Engineering is necessary to accommodate a customer request. Additional Engineering will only be required as set forth in 13.1 following. When it is required, the customer will be so notified and will be furnished with a written statement setting forth the justification for the Additional Engineering as well as an estimate of the charges. If the customer agrees to the Additional Engineering, a firm order will be established. If the customer does not want the service or facilities after being notified that Additional Engineering of Company facilities is required, the order will be withdrawn and no charges will apply. Once a firm order has been established, the total charge to the customer for the Additional Engineering may not exceed the estimated amount by more than 10%.

5.2.6 Reserved For Future Use

(T)

(T)

(C)

(D)

(D)

ACCESS SERVICE

5. Access Ordering (Cont'd)5.3 Access Orders For Services Provided By More Than One Telephone Company (Cont'd)5.3.2 Meet Point Billing Ordering (Cont'd)

- (C) Customers ordering Special Access Non-Competitive End User Channel Termination(s) (EUCT) to be interconnected with Switched Access Services at Company designated WATS Serving Offices for the provision of WATS or WATS-type Services must place an order with each Company in whose territory the end office and the WATS Serving Office are located, if they are not collocated. (C)
(C)
(T)
(T)
- (D) Except for Special Access Non-Competitive EUCT as set forth in (C) above or as set forth in (E) below, the customer may place the order for a Special Access Non-Competitive EUCT with either Exchange Telephone Company. (C)
(C)
- (E) For Special Access Non-Competitive EUCT involving a hub(s) the customer must place the order with the Company(s) in whose territory the hub(s) is located. (C)
(T)
- (F) For Directory Assistance Service, the customer must place an order with the Company in whose territory the Directory Assistance Location is located. (T)
- (G) For initiation, additions, changes or deletions to the Interim NXX Translation code(s), the customer must place an order with the Company who provides the Interim NXX Translation. The customer must also provide a copy of the order to the Companies subtending the Interim NXX Translation office. (T)
(T)

(D)

(D)

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5. Access Ordering (Cont'd)5.4 Charges Associated with Access Ordering5.4.1 Access Order Charge

The Access Order Charge is applied to all customer requests for new Special Access Non-Competitive End User Channel Terminations (EUCTs) and Switched Access Service and Directory Assistance Service. In addition, the Access Order Charge is applicable to customer requests for additions, changes or rearrangements to existing Special Access Non-Competitive EUCTs and Switched Access Service and Directory Assistance Service with the following exceptions (C)

The Access Order Charge does not apply:

- When a Service Date Change Charge is applicable.
- When a Design Change Charge is applicable.
- To administrative changes as set forth in 6.4.1(B)(3) and 7.2.2(C)(3) following. (T)
(D)
- When a change to a pending order does not result in the cancellation of the pending order and the issuance of a new order.
- When the Interim NXX Translation charge is applicable.
- When a Miscellaneous Service Order Charge is applicable.
- When a PIC Charge is applicable.
- When a Company initiated network reconfiguration requires a customer's existing access service to be reconfigured. (T)
- When a Billing Name and Address Order Charge is applicable.
- When a 900 Blocking Service charge is applicable.
- When Payphone Service Providers (PSPs) obtain Coin Supervision Additive Service in conjunction with local exchange service lines for the provision of pay telephone service.

(D)
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(D)

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5. Access Ordering (Cont'd)5.4 Charges Associated with Access Ordering (Cont'd)5.4.1 Access Order Charge (Cont'd)

(D)

(D)

The Access Order Charge will be applied on a per order basis to each order received by the Company or copy of an order received by the Company pursuant to 5.3.1 preceding and 5.3.2 preceding, except by the Company applying the Interim NXX Translation charge, and is in addition to other applicable charges as set forth in this and other sections of this tariff.

(T)

(T)

5.4.2 Miscellaneous Service Order Charge

A Miscellaneous Service Order Charge, as set forth in rate sections following, applies to any service, or combination of services ordered simultaneously from Section 13. of the Tariff for which a service order is not already pending (with the exception of Presubscription (13.4), Billing Name and Address Service (13.7) and 900 Blocking (13.6.2) and Payphone Specific Coding Digits Service (13.11) which do not have the charge applied). The Miscellaneous Service Order Charge is an administrative charge designed to compensate for the expenses associated with service order issuance.

The charge always applies to the following services since a pending service order would not exist:

- Overtime Repair (13.2.2),
- Standby Repair (13.2.3),
- Testing and Maintenance with Other Telephone Companies other than when in conjunction with Acceptance Testing (13.2.4),
- Other Labor (13.2.5),
- Maintenance of Service (13.3.2).

The Miscellaneous Service Order Charge will also apply to the following services if they are ordered subsequent to the initial installation of the associated access service, thereby necessitating the issuance of another service order:

- Telecommunications Service Priority (13.3.3),
- Controller Arrangement [13.3.4(A)],
- International Blocking Service (13.6).
- Originating Line Screening (OLS) Service (13.9)

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5. Access Ordering (Cont'd)5.4 Charges Associated with Access Ordering (Cont'd)5.4.2 Miscellaneous Service Order Charge (Cont'd)

The charge does not apply to the following services since there would exist a pending service order:

- Additional Engineering (13.1),
- Overtime Installation (13.2.1),
- Standby Acceptance Testing (13.2.3),
- Testing and Maintenance with Other Telephone Companies when in conjunction with Acceptance Testing (13.2.4),
- Additional Cooperative Acceptance Testing [13.3.1(A)(1) and 13.3.1(B)(1)].
- Coin Supervision Additive Service (13.10).

5.4.3 Access Order Change Charges

Access Order changes involve service date changes and design changes. The customer may request a change of its Access Order prior to the service date. The Company will make every effort to accommodate a requested change when it is able to do so with the normal work force assigned to complete such an order within normal business hours. If the change cannot be made with the normal work force during normal business hours, the Company will notify the customer. If the customer still desires the Access Order change, the Company will schedule a new service date as set forth in 5.1.2 preceding. All charges for Access Order change as set forth in rate sections will apply on a per occurrence basis.

(T)

(T)

(T)

Any increase in the number of Special Access Service Non-Competitive End User Channel Terminations (EUCTs) or Switched Access Service lines, trunks or busy hour minutes of capacity, or CCS/ SS7 Port Terminations will be treated as a new Access Order(for the increased amount only).

(C)

(C)

(D)

(D)

If order changes are necessary to satisfy the transmission performance for a Special Access Non-Competitive EUCT ordered by a customer, these changes will be made without order change charges being incurred by the customer.

(C)

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5. Access Ordering (Cont'd)5.4 Charges Associated with Access Ordering (Cont'd)5.4.3 Access Order Change Charges (Cont'd)(B) Design Change

The customer may request a design change to the service ordered prior to the requested service date. A design change is any change to an Access Order which requires engineering review. An engineering review is a review by Company personnel, of the service ordered and the requested changes to determine what changes in the design, if any, are necessary to meet the changes requested by the customer. Design changes include such things as the addition or deletion of optional features or functions or a change in the type of Transport Termination (Switched Access only), type of channel interface, type of Interface Group or technical specification package, first point of switching, Feature Group type or Special Access Non-Competitive End User Channel Termination (EUCT) type. Changes of this nature will require the issuance of a new order and the cancellation of the original order with appropriate cancellation charges applied. (T)

The Company will review the requested change, notify the customer whether the change is a design change, if the change can be accommodated and if a new service date is required. If the customer authorizes the Company to proceed with the design change, a Design Change Charge as set forth in rate sections following will apply in addition to the charge for Additional Engineering as set forth in rate sections following. If a change of service date is required, the Service Date Change Charge as set forth in rate sections following will also apply. The Access Order Charge as specified in rate sections following does not apply. (D)
(C)
(T)

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

The minimum period for part-time Program Audio Special Access Non-Competitive End User Channel Termination(s) (EUCT) is one day even though the service will be provided only for the duration of the event specified on the order (e.g., one-half hour, two hours, five hours, etc.). (C)
(C)

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 High Capacity DS1 and DS3 Special Access Non-Competitive EUCT is as set forth in 7.2.8 following. (C)
(D)

The minimum period for which Directory Assistance Service and the Directory Access Service is provided and for which charges apply is six months. A minimum period of six months applies for each additional period of service ordered or extended.

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

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.
- (B) For Special Access Non-Competitive EUCT and flat rated Switched Access 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. (C)

(D)
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(D)

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5. Access Ordering (Cont'd)5.5 Minimum Period and Cancellations (Cont'd)5.5.2 Development of Minimum Period Charges (Cont'd)

The Minimum Period Charge for part-time Program Audio Service is the applicable daily rate for the appropriate channel type as set forth in 7.2.4 following. (D)

5.5.3 Cancellation of an Access Order

(A) A customer may cancel an Access Order for the installation of service on any date prior to the service date. The cancellation date is the date the Company receives written or verbal notice from the customer that the order is to be cancelled. The verbal notice must be followed by written confirmation within 10 days. If a customer or a customer's end user is unable to accept Access Service within 30 calendar days after the original service date, the customer has the choice of the following options: (T)

- The Access Order shall be cancelled and charges set forth in (B) following will apply or,
- Billing for the service will commence.

In such instances, the cancellation date or the billing date, depending on which option is selected by the customer, shall be the 31st day beyond the original service date of the Access Order.

For all orders placed before the effective date of this tariff, December 2, 2016, the preceding ordering options will be in effect. For all orders placed on or after the effective date of this tariff, December 2, 2016, the following ordering options will be in effect.

A customer may cancel an Access Order for the installation of service at any time prior to notification by the Company that service is available for the customer's use. The cancellation date is the date the Company receives written or verbal notice from the customer that the order is to be canceled. The verbal notice must be followed by written confirmation within 10 days. If a customer or a customer's end user is unable to accept Access Service within 30 calendar days of the latest agreed upon service date (i.e. firm order confirmation date), the customer has the choice of the following options: (T)
(T)

- The Access Order will be canceled and charges set forth in (B) following will apply if the service has not been fully provisioned; or
- The Access Order will be completed and billing for the service will commence if the service has been fully provisioned or the customer has indicated that billing for the service should begin.

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5. Access Ordering (Cont'd)5.5 Minimum Period and Cancellations (Cont'd)5.5.3 Cancellation of an Access Order (Cont'd)

- (B) When a customer cancels an Access Order for the installation of service a Cancellation Charge will apply as follows: (T)
- (1) Installation of Switched Access Service or Special Access Non-Competitive End User Channel Termination (EUCT) facilities is considered to have started when the Company incurs any cost in connection therewith or in preparation thereof which would not otherwise have been incurred. (C)
(C)
(T)
- (2) Where the customer cancels an Access Order prior to the start of installation of access facilities, no charges shall apply.
- (3) Where installation of access facilities has been started prior to the cancellation, the charges specified in (a) or (b) following, whichever is lower, shall apply.
- (a) A charge equal to the costs incurred in such installation, less estimated net salvage. Such costs include the nonrecoverable cost of equipment and material ordered, provided or used, plus the nonrecoverable cost of installation and removal including the costs of engineering, labor, supervision, transportation, rights-of-way and other associated costs;
- (b) The charge for the minimum period of Switched Access Service or Special Access Non-Competitive EUCT ordered by the customer. (T)
(C)
- (C) When a customer cancels an order for the discontinuance of service, no charges apply for the cancellation. (D)

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5. Access Ordering (Cont'd)

5.5 Minimum Period and Cancellations (Cont'd)

5.5.3 Cancellation of an Access Order (Cont'd)

- (D) If the Company misses a service date by more than 30 days and such delay is not requested or caused by the customer (excluding those circumstances where the date is missed due to acts of God, governmental requirements, work stoppages and civil commotions), the customer may cancel the Access Order without incurring cancellation charges. (T)

5.5.4 Partial Cancellation Charge

Any decrease in the number of ordered Special Access Non-Competitive End User Channel Terminations (EUCTs) or Switched Access Service lines, trunks or busy hour minutes of capacity, or CCS/SS7 Port Terminations will be treated as a partial cancellation and charges will be determined as set forth in 5.5.3(B) preceding. (C)
(C)
(D)
(D)

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6. Switched Access Service (Cont'd)6.4 Rate Regulations (Cont'd)6.4.1 Description and Application of Rates (Cont'd)(C) Application of Rates (Cont'd)(7) Shared Transport

Shared Transport refers to a rate application applicable only when the customer orders High Capacity Direct Trunked Transport between a serving wire center and a Company hub where the Company performs multiplexing/de-multiplexing functions and the same customer then orders the derived channels as Direct Trunked Transport and Tandem Switched Transport. When the same customer also orders Special Access Non-Competitive End User Channel Termination (EUCT) to be provided over this same high capacity facility, this service is considered to be Mixed Use and the regulations set forth in 7.2.7 following must first be applied to separate the portion to be charged as Switched Access Service from the portion to be charged as Special Access Non-Competitive EUCT.

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(T)(C)
(C)(C)
(C)

Except as noted above, the Switched Access Service will be ordered, provided and rated as Direct Trunked Transport (i.e., Direct Trunked Facility and Direct Trunked Terminations). As each derived channel is activated for Tandem Switched Transport, the High Capacity Direct Trunked Transport will be reduced accordingly (e.g., 1/24th for a High Capacity DS1 service). Tandem Switched Transport rates and charges, as set forth in rate sections following, will apply for each channel that is used to provide the Tandem Switched Transport.

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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 Non-Competitive End User Channel Termination (EUCT) are provided over the same High Capacity service 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)

The 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 Company offices providing equal access through centralized arrangements are identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. (T)
(T)

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 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 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 Company. (T)
(T)
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6. Switched Access Service (Cont'd)6.10 Applications (Cont'd)6.10.3 Dedicated Trunk Port

A Dedicated Trunk Port is applicable to the purchase of dedicated trunks terminated by that port. The Dedicated Trunk Port provides for the termination of a dedicated trunk at the end office or access tandem. The Dedicated Trunk Port is a flat rated charge assessed on a per channel basis. The rate is determined based on whether the trunk is voice grade or DS1.

A Dedicated Trunk Port charge shall be assessed on a per voice grade or DS1 channel terminating at an end office or access tandem.

6.10.4 Shared Trunk Port

The Shared Trunk Port provides for the termination of a Tandem-Switched Trunk at an end office. The Shared Trunk Port is usage rated and shall be assessed to all access minutes which utilize Tandem-Switched Transport. This includes minutes of use associated with FGA service when traffic is terminated in end office that is not the dial tone office and on minutes of use provided at a remote office.

The Shared Trunk Port charge does not apply to switched access minutes of use that originate or terminate at MTSOs directly interconnected to a Company access tandem. (T)

When the Tandem-Switched Transport is provided by more than one telephone company, the Shared Trunk Port charge shall be billed by the Company in whose territory the end office is located. (T)

6.10.5 Multiplexing

Multiplexing provides for arrangements to convert a single higher capacity or bandwidth circuit for bulk transport to several lower capacity or bandwidth circuits. Monthly rates and nonrecurring charges for multiplexing apply as follows: 1) the DS3/DS1 Multiplexing Charge applies to all DS3 to DS1 multiplexing arrangements; 2) the DS1/Voice Multiplexing Charge applies to all DS1 Entrance Facility and Direct-Trunked Transport circuits that terminate in an analog office and where the multiplexer performs DS1/Voice multiplexing functions; 3) a Multiplexing Charge will always apply when FGA is provisioned on a Switched DS1 and on High Capacity shared use Switched Access Service and Special Access Non-Competitive End User Channel Termination (EUCT) facilities. (T)
(C)

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7. Special Access Service

As of August 1, 2017, Special Access Services were changed to a competitive or non-competitive designation. Non-Competitive End User Channel Terminations (EUCTs) are filed as part of this tariff and remain under Price Cap Regulation. Other Special Access Services required to complete the circuit are outside this tariff and can be accessed at the Company's website or Company's other designated location.

(N) (M)

Effective September 22, 2017 CenturyLink was granted authority pursuant to Section 63.71 of the Federal Communications Commission's ("Commission") rules 47 C.F.R. § 63.71, and Section 214 of the Communications Act of 1934, as amended, 47 U.S.C. § 214 to discontinue its wholesale interstate Metallic, Telegraph, Narrowband, Wideband Analog, Wideband Digital and Analog Video Services.

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7. Special Access Service

(N)

7.1 General

The following areas are deemed non-competitive for Special Access End User Channel Terminations (EUCTs) covered by this tariff.

MICHIGAN					
Serving Wire Center	8-Digit CLLI Code	Serving Wire Center	8-Digit CLLI Code	Serving Wire Center	8-Digit CLLI Code
Au Gres	AUGRMIXJ	Lake City	LKCYMIXI	Omer	OMERMIXJ
Glennie	GLNEMIXI	Marlette	MRLTMIXI	Port Austin	PTASMIXI
Hadley	HDLYMIXI	Merritt	MRRTMIXI	Port Hope	PTHPMIXI
Kinde	KNDEMIXI	Moorestown	MSTWMIXI		

MISSOURI					
Serving Wire Center	8-Digit CLLI Code	Serving Wire Center	8-Digit CLLI Code	Serving Wire Center	8-Digit CLLI Code
Aurora	AURRMOXA	Golden City	GDCYMOXA	Nebo	NEBOMOX
Belgrade	BLGRMOXA	Gorin	GORNMOXA	Norwood	NRWDMOX
Birch Tree	BCTRMOXA	Grovespring	GVSPMOXA	Oates	OATSMOX
Boss	BOSSMOXA	Hartville	HTVLMOX	Osceola	OSCLMOXA
Bronaugh	BNGHMOXA	Houston	HSTNMOXA	Potosi	POTSMOX
Brunswick	BRWKMOXA	Humansville	HMVLMOX	Raymondville	RMVLMOX
Bunker	BNKRMOXA	Irondale	IRDLMOXA	Roby	ROBYMOXA
Caledonia	CLDNMOXA	Jerico Springs	JRSPMOXA	Rockville	RKVLMOXA
Centerville	CNVLMOX	Keytesville	KTVLMOX	Schell City	SHCYMOXA
Collins	CLNSMOXA	Lesterville	LSVLMOX	Sheldon	SHLNMOXA
Dalton	DLTNMOXA	Lowry City	LWCYMOXA	Timber	TMBRMOXA
Edgar Springs	EGSPMOXA	Manes	MNESMOXA	Van Buren	VNBRMOXA
El Dorado Springs	EDSPMOXA	Milo	MILOMOXA	Vanzant	VNZNMOXA
Ellsinore	ELSNMOXA	Montauk	MNTKMOXA	Walker	WLKRMOXA
Eminence	EMNNMOXA	Mountain Grove	MTGVMOXA	Weaubleau	WEBLMOXA
Fremont	FRMTMOXA	Mount Vernon	MTVRMOXA	Winona	WINOMOX

WISCONSIN					
Serving Wire Center	8-Digit CLLI Code	Serving Wire Center	8-Digit CLLI Code	Serving Wire Center	8-Digit CLLI Code
Arcadia	ARCDWIXA	Ettrick	ETRCWIXA	Pepin	PEPNWIXA
Argyle	ARGYWIXA	Fountain City	FNCYWIXA	Plum City	PLCYWIXA
Benton	BNTNWIXB	Galesville	GLVLWIXA	Prescott	PRSCWIXA
Blair	BLARWIXA	Gratiot	GRATWIXA	Shullsburg	SHBGWIXA
Centerville	CNVLWIXA	Montfort	MTFTWIXA	Trempealeau	TRMPWIXA
Darlington	DRTNWIXA	Muscoda	MSCDWIXA	Whitehall	WHTHWIXA
Elmwood	EMWDWIXA	Osseo	OSSEWIXA	Wiot	WIOTWIXA

(N)

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7. Special Access Service7.1 General (Cont'd)

Special Access Service is a subset of Business Data Services which provides a transmission path to connect customer designated premises directly, through a Company hub where bridging or multiplexing functions are performed, or to connect a customer designated premises and a WATS Serving Office. Special Access Service includes all exchange access not utilizing Company end office switches. (C) (M)
(C)
(D)
(T)

The connections provided by Special Access Service can be either analog or digital. Analog connections are differentiated by spectrum and bandwidth. Digital connections are differentiated by bit rate.

Special Access Non-Competitive End User Channel Terminations (EUCT) purchased from the provisions of this tariff may be commingled with unbundled network elements, where available, or unbundled network element combinations, where available, purchased pursuant to the Commission's Part 51 Interconnection Rules and in compliance with the Federal Communications Commission's Report and Order and Order on Remand and Further Notice of Proposed Rulemaking in CC Docket Nos. 01-338, 96-98 and 98-147, adopted February 20, 2003 and released August 21, 2003 (FCC 03-36). Unbundled elements and commingling are not available in designated rural CenturyLink Operating Companies where a 251 (f) exemption is in effect. The provision of Special Access Services in all situations is dependent upon the availability of Company plant and equipment. (C)
(N)(M)
(N)

7.1.1 Channel Types

Each type of Special Access Services channel has its own characteristics. All are subdivided by one or more of the following: (C)

- Transmission specifications,
- Bandwidth,
- Speed (i.e., bit rate),
- Spectrum

Customers can order a basic channel and select from a list of those available transmission parameters and channel interfaces that they desire in order to meet specific communications requirements.

For purposes of ordering channels, each has been identified as a type of Special Access Service. However, such identification is not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use. (M)

(M) Material previously found on 3rd Revised Page 7-1.

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7. Special Access Service (Cont'd)7.1 General (Cont'd)

Following is a brief description of each type of Non-Competitive End User Channel Termination (EUCT):

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Voice Grade - a channel for the transmission of analog signals within an approximate bandwidth of 300 to 3000 Hz.

Program Audio - a channel for the transmission of audio signals. The nominal frequency bandwidths are from 200 to 3500 Hz, from 100 to 5000 Hz, from 50 to 8000 Hz, or from 50 to 15000 Hz.

(1)

(C)
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(D)

Digital Data - a channel for the digital transmission of synchronous serial data at rates of 2.4, 4.8, 9.6, 19.2, 56 or 64 kbps.

High Capacity - a channel for the transmission of isochronous serial digital data at rates of 1.544, 3.152, 6.312 or 44.736 Mbps.

(D)
|
(D)

⁽¹⁾ Effective September 22, 2017 CenturyLink was granted authority pursuant to Section 63.71 of the Federal Communications Commission's ("Commission") rules, 47 C.F.R. § 63.71, and Section 214 of the Communications Act of 1934, as amended, 47 U.S.C. § 214, to discontinue its wholesale interstate Metallic, Telegraph, Narrowband, Wideband Analog, Wideband Digital and Analog Video services.

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7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.1 Channel Types (Cont'd)

Detailed descriptions of each of the channel types are provided in 7.5, 7.6, 7.8 and 7.9 following.

(C)
(C)

The customer also has the option of ordering Voice Grade and High Capacity Non-Competitive End User Channel Terminations (EUCT) facilities (i.e., 1.544 Mbps, 3.152 Mbps, 6.312 Mbps, 44.736 Mbps 51.84 Mbps and 155.52 Mbps) to Company hubs for multiplexing to individual channels of a lower capacity or bandwidth. Descriptions of the optional features and functions available are set forth in 7.2.1 following.

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(D)

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7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.2 Service Descriptions

For the purposes of ordering, following are the categories of Special Access Service in this tariff.

(C)
(C)Service Designator Codes⁽¹⁾

(C)

Voice VG

Program Audio AP

⁽¹⁾

(C)

Digital Data DA

High Capacity DS

(D)

Each service consists of a basic channel to which a technical specifications package (customized or predefined), channel interface(s) and, when desired, optional features and functions are added to construct the service desired by the customer. Technical specifications packages are described in Section 15 following, optional features and functions are described in this section. Channel interfaces are described in 15.2 following.

Customized technical specifications packages will be provided where technically feasible. If the Company determines that the requested parameter specifications are not compatible, the customer will be advised and given the opportunity to change the order.

(T)

(M)

(M)

(D)

(D)

⁽¹⁾ Effective September 22, 2017 CenturyLink was granted authority pursuant to Section 63.71 of the Federal Communications Commission's ("Commission") rules, 47 C.F.R. § 63.71, and Section 214 of the Communications Act of 1934, as amended, 47 U.S.C. § 214, to discontinue its wholesale interstate Metallic, Telegraph, Narrowband, Wideband Analog, Wideband Digital and Analog Video services.

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7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.2 Service Descriptions (Cont'd)

When a customized channel is ordered the customer will be notified whether Additional Engineering Charges apply. In such cases, the customer will be advised and given the opportunity to change the order.

(M)

The channel descriptions provided in in 7.5, 7.6, 7.8 and 7.9 following, specify the characteristics of the basic channel and indicate whether the channel is provided directly between customer designated premises, between a customer designated premises and a Company hub where bridging or multiplexing functions are performed or between a customer designated premises and a WATS Serving Office.

(C)

(T)

(C)

(D) (M)

(D)

(A) Information pertaining to the technical specifications packages indicates the transmission parameters that are available with each package. This information is displayed in matrices set forth in 15.2 following.

(B) Channel interfaces at each Point of Termination on a two-point service may be symmetrical or asymmetrical. On a multipoint service they may also be symmetrical or asymmetrical, but communications can only be provided between compatible channel interfaces. Only certain channel interfaces are compatible. These are set forth in 15.2 following, in a combination format.

(C) Only certain channel interface combinations are available with the predefined technical specifications packages. These are delineated in the Technical References set forth in (F) following. When a customized channel is requested, all channel interface combinations available with the specified type of service are available with the customized channel.

(D) The optional features and functions available with each type of Special Access Non-Competitive End User Channel Termination (EUCT) are described in this section. The optional features and functions information also indicates with which technical specifications packages they are available. Such information is displayed in matrices set forth in 15.2 following with the optional feature or function listed down the left side and the technical specifications package listed across the top.

(C)

(M) Material previously found on Page 7-4.

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7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.2 Service Descriptions (Cont'd)

(E) The Company will maintain services installed prior to April 1, 1985, at their existing transmission specifications provided such performance specifications do not exceed the standards listed in this provision. Those services exceeding the standards listed will be maintained at the performance levels specified in this tariff. (T)

(F) All services installed after April 1, 1985 will conform to the transmission specifications standards contained in this tariff or in the following Technical References for each category of service:

(1)			(C)
	Voice Grade	TR-NWT-000334	
		MDP-326-584	
	Program Audio	GR-337 and associated addendum	
(1)			(C)
	Digital Data	TR-NWT-000341 and associated	
		Addendum, MDP-326-726	
	High Capacity	GR-342, GR-54	

7.1.3 Service Configurations

There are two types of service configurations over which Special Access Services are provided: two-point service and multipoint service.

(A) Two-Point Service

A two-point service connects two customer designated premises, either on a directly connected basis or through a hub where competitive multiplexing functions are or a customer designated premises and a WATS Serving Office (WSO). (D)
(D)

Applicable rate elements in this tariff are: (T)

- Non-Competitive End User Channel Terminations (EUCTs) (C)
- Optional Features and Functions (when applicable) (D)

⁽¹⁾ Effective September 22, 2017 CenturyLink was granted authority pursuant to Section 63.71 of the Federal Communications Commission's ("Commission") rules, 47 C.F.R. § 63.71, and Section 214 of the Communications Act of 1934, as amended, 47 U.S.C. § 214, to discontinue its wholesale interstate Metallic, Telegraph, Narrowband, Wideband Analog, Wideband Digital and Analog Video services.

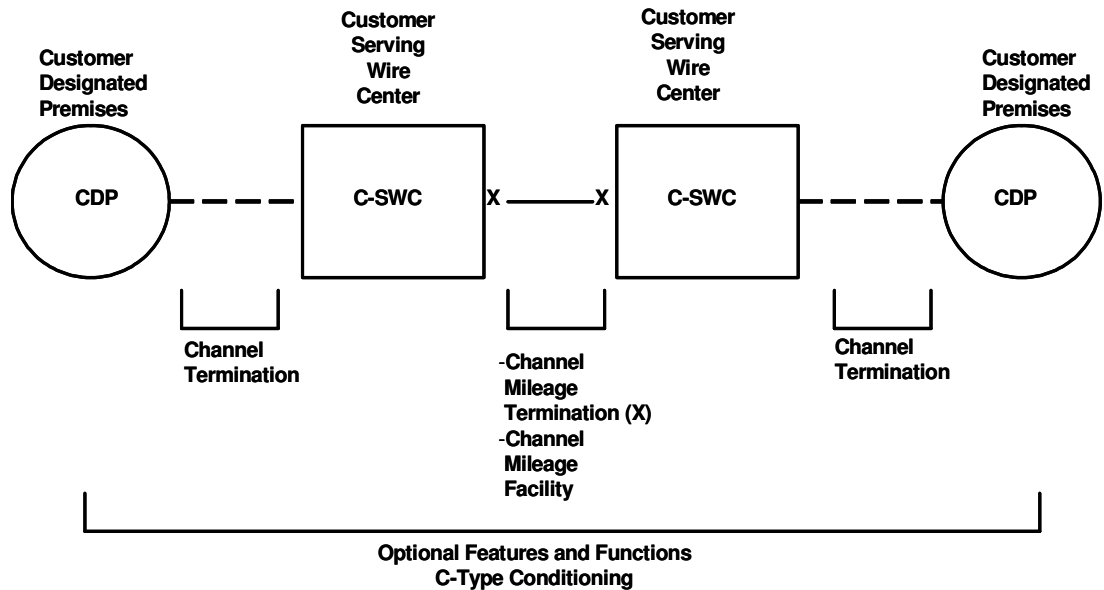
ACCESS SERVICE

7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.3 Service Configurations (Cont'd)

A Special Access Surcharge, as set forth in 7.3 following, may be applicable.

The following diagram depicts a two-point Voice Grade service connecting two Customer Designated Premises (CDP). The service is provided with C-Type conditioning. The rate elements found in this tariff are the End User Channel Termination (EUCT) services in a Serving Wire Center designated as Non-Competitive.

(N)
|
(N)



Applicable rate elements depicted in the preceding diagram are:

(C)

- Channel Terminations (applicable one (1) per CDP)
- Channel Mileage
2 Channel Mileage Terminations plus
1 section, Channel Mileage Facility per mile
- C-Type Conditioning Optional Feature

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7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(D)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.3 Service Configurations (Cont'd)(B) Multipoint Service

Multipoint service connects three or more customer designated premises through one or more Company hubs. Only certain types of Special Access Service are provided as multipoint service. These are so designated in the descriptions for the appropriate channel. (T)

The channel between hubs (i.e., bridging locations) on a multipoint service is a mid-link which is not found in this tariff. There is no limitation on the number of mid-links available with a multipoint service. However, when more than three mid-links in tandem are provided the quality of the overall service may be degraded. (C)

Multipoint service utilizing a customized technical specifications package, as set forth in 7.1.2 preceding and 15.2 following, will be provided when technically possible. If the Company determines that the requested characteristics for a multipoint service are not compatible, the customer will be advised and given the opportunity to change the order. When ordering, the customer will specify the desired bridging hub(s). National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4 identifies serving wire centers, hub locations and the type of bridging functions available. (T)

Applicable Rate Elements in this tariff are: (C)

- Non-Competitive End User Channel Terminations (EUCTs) (one per customer designated premises) (C)
- Bridging (D)
- Additional Optional Features and Functions (when applicable). (D)

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7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.3 Service Configurations (Cont'd)(B) Multipoint Service

The Special Access Surcharge, as set forth in 7.3 following, may be applicable.

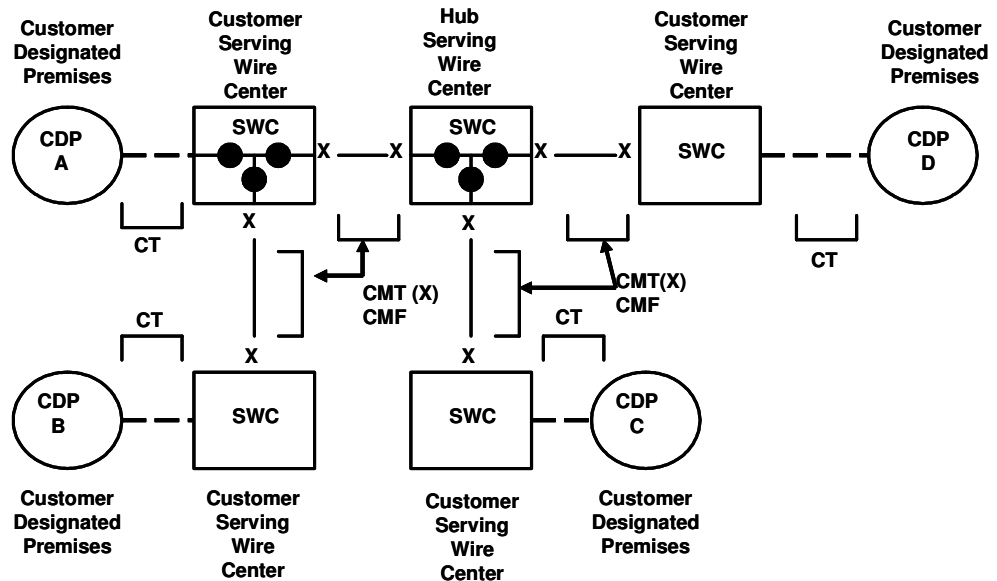
The following diagram depicts a Voice Grade Multipoint Service connecting four customer designated premises (CDP) via two customer specified bridging hubs. The rate elements found in this tariff are the End User Channel Termination (EUCT) services in a Serving Wire Center designated as Non-Competitive

(C)

(N)

|

(N)



CT - Channel Termination

CMT – Channel Mileage Termination

CMF – Channel Mileage Facility

o – Bridging Port

Applicable rate elements depicted in the preceding diagram are:

(C)

- Channel Terminations (4 applicable)
- Channel Mileage
 - o 2 Channel Mileage Termination per Channel Mileage Facility section for a total of 8 plus
 - o 4 section, Channel Mileage Facility per mile
- Bridging Optional Feature (6 applicable, i.e., each bridge port)

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7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.4 Alternate Use

Alternate Use occurs when a service is arranged by the Company so that the customer can select different types of transmission at different times. A customer may use a service in any privately beneficial manner. However, where technical or engineering changes are required to effectuate an alternate use, the Company will make such special arrangements available on an individual case basis. (T)

The arrangement required to transfer the service from one operation to the other (i.e., the transfer relay and control leads) will be rated and provided on an individual case basis. The customer will pay the stated tariff rates for the Access Service rate elements for the service ordered [i.e., Non-Competitive End User Channel Terminations (EUCT)] and Optional Features and Functions (if any)]. (C)

7.1.5 Special Facilities Routing

A customer may request that the facilities used to provide Special Access Service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are set forth in Section 11 following.

7.1.6 Design Layout Report

At the request of the customer, the Company will provide to the customer the make-up of the facilities and services provided under this tariff as Special Access Service to aid the customer in designing its overall service. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided to the customer at no charge, and will be reissued or updated whenever these facilities are materially changed. (T)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.7 Acceptance Testing

At no additional charge, the Company will, at the customer's request, cooperatively test the following at the time of installation: (T)

- (A) For Voice Grade Non-Competitive End User Channel Termination (EUCT), the acceptance test will include tests for loss, 3-tone slope, DC continuity, operational signaling, C-notched noise, and C-message noise when these parameters are applicable and specified in the order of service. Additionally, for Voice Grade services, a balance (improved loss) test will be made if the customer has ordered the improved loss optional feature. (C)
(C)
- (B) For other analog Non-Competitive EUCT (i.e., Program Audio) and for digital Non-Competitive EUCT (i.e., Digital Data and High Capacity), acceptance tests will include tests applicable to the service as specified by the customer in the order for service. (C)

In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade service to test other parameters, as described in 13.3.1(B) following, is available at the customer's request. All test results will be made available to the customer upon request.

7.1.8 Ordering Options and Conditions

Special Access Non-Competitive EUCT is ordered under the Access Order provisions set forth in Section 5 preceding. Also included in that section are other charges which may be associated with ordering Special Access Non-Competitive EUCT (e.g., Service Date Change Charges, Cancellation Charges, etc.). (C)
(C)
(C)

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7. Special Access Service (Cont'd)7.2 Rate Regulations

This section contains the specific regulations governing the rates and charges that apply for Special Access.

7.2.1 Rate Categories

The basic rate categories which apply to Special Access Service in this tariff are as follows: (T)
(T)

- Non-Competitive End User Channel Terminations (EUCTs) (described in 7.2.1(A) following) (C)
- Optional Features and Functions (described in 7.2.1(C) following). (D)

(A) Non-Competitive End User Channel Termination (EUCT) (C)

The Non-Competitive EUCT rate category recovers the costs associated with the communications path between a customer designated premises and the serving wire center of that premises. Included as part of the Non-Competitive EUCT is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. (C)
(C)
(C)

(D)

(D)

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7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.1 Rate Categories (Cont'd)

(B) Reserved For Future Use

(C)

(D)

(D)

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7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(C) Optional Features and Functions

The Optional Features and Functions rate category recovers the costs associated with optional features and functions which may be added to a Special Access Non-Competitive End User Channel Termination (EUCT) to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific equipment, but rather represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of equipment. Although the equipment necessary to perform a specified function may be installed at various locations along the path of the service, they will be charged for as a single rate element.

(C)
(C)

Examples of Optional Features and Functions that are available include, but are not limited to, the following:

- Signaling Capability
- Hubbing Functions
- Conditioning
- Transfer Arrangements

(D)

(D)

Descriptions for each of the available Optional Features and Functions are set forth in in 7.5, 7.6, 7.8 and 7.9 following.

(T)

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7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.2 Types of Rates and Charges

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

(A) Monthly Rates

Monthly rates are recurring rates that apply each month or fraction thereof that a Special Access Non-Competitive End User Channel Termination (EUCT) is provided. For billing purposes, each month is considered to have 30 days. (C)
(C)

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7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.2 Types of Rates and Charges (Cont'd)(B) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Special Access Non-Competitive End User Channel Termination (EUCT) are: installation of service, installation of optional features and functions, and service rearrangements. These charges are in addition to the Access Order Charge as specified in 17.4.1, 18.4.1 and 19.4.1 following.

(C)
(C)(1) Installation of Service

Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are set for each channel type as a nonrecurring charge for the Non-Competitive EUCT.

(C)
(C)(2) Installation of Optional Features and Functions

When optional features and functions are installed coincident with the initial installation of service, no separate nonrecurring charge is applicable. When optional features and functions are installed or changed subsequent to the installation of service, an Access Order Charge as specified in rate sections following will apply per order.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.2 Types of Rates and Charges (Cont'd)(B) Nonrecurring Charges (Cont'd)(3) Service Rearrangements

Service rearrangements are changes to existing (installed) services which may be administrative only in nature, as set forth following, or that involve actual physical change to the service. Changes to pending orders are set forth in 5.4 preceding.

Changes in the physical location of the point of termination or customer designated premises are moves as set forth in 7.2.3 following.

Changes in the type of Non-Competitive End User Channel Termination (EUCT) which result in a change of the minimum period requirement will be treated as a discontinuance of the service and an installation of a new service.

(C)
(C)

Changes in ownership or transfer of responsibility from one customer to another will be treated as a discontinuance of the service and an installation of a new service. In the event the change in ownership or transfer of responsibility is as set forth in 2.1.2(A) preceding where there is no change in facilities or arrangements, the change will be treated as an administrative change.

(D)

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7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.2 Types of Rates and Charges (Cont'd)(B) Nonrecurring Charges (Cont'd)(3) Service Rearrangements (Cont'd)

Administrative changes will be made without charge(s) to the customer. Administrative changes are as follows:

- Change of customer name,
- Change of customer or customer's end user premises address when the change of address is not a result of physical relocation of equipment,
- Change in billing data (name, address, or contact name or telephone number),
- Change of agency authorization
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user contact name or telephone number, and
- Change of jurisdiction.

All other service rearrangements will be charged as follows:

- If the change involves the addition of other customer designated premises to an existing service, the nonrecurring charge for the Non-Competitive End User Channel Termination (EUCT) rate element will apply. The charge(s) will apply only for the location(s) that is being added. The charge(s) will be in addition to an Access Order Charge as set forth in rate sections following.

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7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.3 Moves (Cont'd)(B) Moves To a Different Building

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

7.2.4 Minimum Periods

The minimum service period for all services except part- time Program Audio Service and DS3 High Capacity Service is one month and the full monthly rate will apply to the first month. Adjustments for the quantities of services established or discontinued in any billing period beyond the minimum period are as set forth in 2.4.1(F) preceding. The minimum service period for part-time Program Audio Service a continuous 24-hour period, not limited to a calendar day. The minimum service period for DS3 High Capacity Service is twelve months.

(D)
(C)(C)
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7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.5 Reserved For Future Use

(C)

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7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.5 Reserved For Future Use

(C)

(D)

(D)

7.2.6 Facility Hubs

A customer has the option of ordering Voice Grade Non-Competitive End User Channel Termination (EUCT) or High Capacity Non-Competitive EUCT (i.e., DS1, DS1C, DS2 or DS3) to a facility hub for channelizing to individual services requiring lower capacity facilities (e.g., Voice, Program Audio, etc.).

(C)

(C)

(D)

Different locations may be designated as hubs for different facility capacities, e.g., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. When placing an Access Order the customer will specify the desired hub.

National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4 identifies serving wire centers, hub locations, hub level (i.e., Hub, Terminus Hub, Intermediate Hub, or Super-Intermediate Hub). Additionally, subtending wire centers are identified for Intermediate and Super- Intermediate Hubs.

(D)

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7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.6 Facility Hubs (Cont'd)

(D)

(D)

Point to point services may be provided on channels of these services to a hub. The transmission performance for the point to point service provided between customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps channel is multiplexed to voice frequency channels, the transmission performance of the channelized services will be Voice Grade, not High Capacity.

The Company will commence billing the monthly rate for the service to the hub on the date specified by the customer on the Access Order. Individual channels utilizing these services may be installed coincident with the installation of the service to the hub or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a Voice Grade or a High Capacity Non-Competitive End User Channel Termination (EUCT) and the multiplexer at the time the service is installed. Individual service rates (by service type) will apply for a Non-Competitive EUCT for each channelized service. These will be billed to the customer as each individual service is installed.

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7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.6 Facility Hubs (Cont'd)

(D)

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(D)

The Company will designate hubs for Program Audio Service. Full-time or part-time service may be provided between customer designated premises or between a customer designated premises and a hub and billed accordingly at the monthly rates set forth in rate sections following for a Non-Competitive End User Channel Termination (EUCT) and Optional Features and Functions, as applicable. When the Non-Competitive EUCT is ordered to a hub, the customer may order a full-time or part-time Program Audio Service as needed between that hub and additional customer designated premises. The rate elements required to provide the part-time service (i.e., Non-Competitive EUCT and Optional Features and Functions, as applicable) will be billed at daily rates for the duration of the service requested.

(D)

(C)

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(C)

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7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.7 Mixed Use Analog and Digital High Capacity Services

Mixed use refers to a rate application applicable only when the customer orders High Capacity Special Access facilities between a customer designated premises and a Company hub where the Company performs multiplexing/de-multiplexing functions and the same customer then orders the derived channels as Special Access Service and Switched Access Service. If the customer has Switched Access Service between a customer designated premises and an end office that is multiplexed at a Company hub and subsequently orders the derived channels as Special Access Service and Switched Access Service, rates and charges will apply as if the service were ordered as mixed use.

(T)

(T)

(T)

(T)

Except as noted above, the High Capacity facility will be ordered, provided and rated as Special Access Service (i.e., Non-Competitive End User Channel Termination (EUCT)). The nonrecurring charge that applies when the mixed use facility is installed will be the nonrecurring charge associated with the appropriate Special Access High Capacity Non-Competitive EUCT. Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for Switched Access Service. Individual service (i.e., Switched Access Service or Special Access Service) nonrecurring charges will not apply to the individual channels of the mixed use facility.

(C)

(C)

(C)

(T)

When Special Access Service is provided utilizing a channel of the mixed use facility to a hub, High Capacity rates and charges will apply for the facility to the hub, as set forth preceding, and individual service rates and charges will apply from the hub to the customer designated premises. The rates and charges that will apply to the portion from the hub to the customer designated premises will be dependent on the specific type of Special Access Service that is provided (e.g., Voice Grade, etc.). The applicable rates and charges will include a Non-Competitive EUCT. Rates and charges for optional features and functions associated with the service, if any, will apply for the appropriate channel type.

(C)

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7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.7 Mixed Use Analog and Digital High Capacity Services (Cont'd)

As each individual channel is activated for Switched Access Service, the High Capacity Special Access Non-Competitive End User Channel Termination (EUCT) rate will be reduced accordingly (e.g., 1/24th for a DS1 service, etc.). Switched Access Service rates and charges, as set forth in rate sections following, will apply for each channel that is used to provide a Switched Access Service. Additionally, the Switched Access Service Entrance Facility, Direct Trunked Transport, and Multiplexing charges, if applicable, will be reduced by multiplying their respective rates by the ratio of derived Switched Access Service channels to the total number of channels that can be derived.

(C)
(C)

The customer must place an order for each individual Switched Access Service or Special Access Non-Competitive End User Channel Termination (EUCT) utilizing the Mixed Use Facilities and specify the channel assignment for each such service.

(T)
(C)7.2.8 Optional Rate Plans(A) High Capacity Optional Rate Plans

The High Capacity Optional Rate Plan rates for Special Access Non-Competitive End User Channel Terminations (EUCTs) subject to Section 203 of the Communications Act are filed in this tariff. Other Special Access rates included in this plan are not subject to Section 203 and are provided outside of this tariff.

(N)
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(N)

The Term Discount plan applies to DS1 and DS3 High Capacity Service Channel Termination, Channel Mileage Facility and Channel Mileage Termination monthly rates, as set forth following. The current monthly rates for such services are reduced by a fixed percentage. The amount of the discount percentage differs based on the length of the service commitment period selected by the customer. The Term Discount percentages for High Capacity Service are as set forth in rate sections following.

Discounts for the Term Discount plan are only applied to High Capacity Service provided to a customer within the same state and LATA by the same Company.

(T)

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7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.8. Optional Rate Plans (Cont'd)(A) High Capacity Optional Rate Plans (Cont'd)

(C)

(1) Term Discounts (Cont'd)

(C)

(d) The Company will waive the early discontinuance charge specified in Section 7.2.8(A)(1)(c) preceding provided the customer maintains, in service, at least 90 percent of the interstate and intrastate circuits of a particular service type. The early discontinuance charge will be determined as follows. (T) (M)

1. On July 1 of each year, the Company will count the total number of circuits (intrastate and interstate) for each service type (e.g., DS1, DS3) in service by a customer. This will be the base circuit count for the next annual period, i.e. July 1 through June 30. (T)

2. Each time a circuit subject to an interstate early discontinuance charge is terminated, the Company will do the following:

(a) Count the number of intrastate and interstate circuits of the circuit type remaining in service.

(b) If the number remaining in service is below 90 percent of the base circuit count an early discontinuance charge will apply to each interstate circuit below the 90 percent base that is being discontinued. (M)

(M) Material previously found on Pages 17-22, 18-25 and 19-25.

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7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.8. Optional Rate Plans (Cont'd)(A) High Capacity Optional Rate Plans (Cont'd)(1) Term Discounts (Cont'd)

(d) (Cont'd)

3. As an example, if a customer has 100 DS-1 intrastate and interstate circuits on July 1 and discontinues 5 interstate circuits during the following twelve-month period, all early discontinuance charges will be waived. If, on the other hand, the customer discontinues 12 interstate circuits during the same period, the discontinuance charge will be waived with respect to the first 10 circuits, but the charge will apply to the eleventh and twelfth discontinued circuit.
4. This waiver provision will not apply to any customer that did not have any intrastate or interstate circuits on July 1 of the preceding annual period.

(C)

(C)

(M)

(M)

(M) Material previously found on Pages 17-22, 18-25 and 19-25.

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7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.8 Optional Rate Plans (Cont'd)(D) Fixed Rate Term Plan

The Fixed Rate Term Plan rates for Special Access Non-Competitive End User Channel Terminations (EUCTs) subject to Section 203 of the Communications Act are filed in this tariff. Other Special Access rates included in this plan are not subject to Section 203 and are provided outside of this tariff.

(N)

(N)

The Fixed Rate Term Plan (F RTP) is available for Special Access DS3 service channel termination, channel mileage and channel mileage termination monthly recurring rates, as set forth following. The current monthly rates for such services are reduced by a fixed percentage. The customer must order the F RTP under a term commitment period of 7 years. All DS3 high capacity circuits ordered under the F RTP will begin in month one.

Nonrecurring charges will not apply to DS3 circuits installed under the F RTP. Monthly rates for the entire 7 year commitment period of the F RTP will be excluded from any Company initiated rate increases for the 7 year term commitment period service date for each DS3 circuit.

(T)

At the end of the 7 year term commitment period, the customer may subscribe to a new 7 year F RTP or revert to the month-to-month rates. If the customer does not notify the Company in writing within 60 calendar days prior to the expiration of the 7 year term commitment period that they want to renew their F RTP, the customer will automatically revert to the month-to-month rates in effect at the time of the expiration of the F RTP; or the customer may elect to commit to any other term plan that may be offered by the Company that is in effect at the time of expiration of the F RTP.

(T)

The monthly rates and associated discount percentage for the F RTP are set forth in 17.3.7 and 18.3.7 following.

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7. Special Access Service (Cont'd)7.3 Surcharge for Special Access Service7.3.1 General

Special Access services provided under this tariff may be subject to the monthly Special Access Surcharge.

7.3.2 Application

- (A) The Special Access Surcharge will apply to each interstate Special Access Service that terminates on an end user's PBX or other device, where through a function of the device, the Special Access Service interconnects to the local exchange network. Interconnection functions include, but are not limited to, wiring and software functions, bridging, switching or patching of calls or stations. The Surcharge will apply irrespective of whether the interconnection function is performed in equipment located at the customer's premises or in a Centrex CO-type switch.
- (B) Special Access Service will be exempted from the Surcharge by the Company upon receipt of the customer's written certification for the following Special Access Service terminations: (T)
- (1) an open-end termination in a Company switch of an FX line, including CCSA and CCSA- equivalent ONALs; or (T)
 - (2) an analog channel termination that is used for radio program transmission; or (D)
 - (3) a termination used for TELEX service; or
 - (4) a termination that by the nature of its operating characteristics could not make use of Company common lines such as, terminations which are restricted through hardware or software; or (T)

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7. Special Access Service (Cont'd)

7.4 Reserved For Future Use ⁽¹⁾

(C)

(D)

(D)

⁽¹⁾ Effective September 22, 2017 CenturyLink was granted authority pursuant to Section 63.71 of the Federal Communications Commission's ('Commission') rules 47 C.F.R. § 63.71, and Section 214 of the Communications Act of 1934, as amended, 47 U.S.C. § 214 to discontinue its wholesale interstate Metallic, Telegraph, Narrowband, Wideband Analog, Wideband Digital and Analog Video Services.

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7. Special Access Service (Cont'd)7.5 Voice Grade Service7.5.1 Basic Channel Description

A Voice Grade Non-Competitive End User Channel Termination (EUCT) is a channel which provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated two-wire or four-wire. Voice Grade channels are provided between customer designated premises, between a customer designated premises and a Company hub, or between a customer designated premises and a WATS Serving Office (WSO). (C)

Voice Grade Special Access Non-Competitive EUCTs are typically used for voice and voiceband data applications. Typical examples of voice grade circuits are Foreign Exchange lines (station end only), multipoint private line, voice trunk type, two-point voice grade data (one-way or simultaneous two-way), multipoint voice grade data, and voice grade telephoto or facsimile. These examples of applications are not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use. (C)

Rates and charges for Special Access Voice Grade Non-Competitive EUCTs are as set forth in rate sections following. (C)

7.5.2 Technical Specifications Packages and Network Channel Interfaces

Technical Specifications Packages are set forth in 15.2.1(C) following. Compatible network channel interfaces are set forth in 15.2.2(C)(3) following.

7.5.3 Optional Features and Functions(A) Central Office Bridging Capability

- (1) Voice Bridging (two-wire and four-wire)
- (2) Data Bridging (two-wire and four-wire)
- (3) Telephoto Bridging (two-wire and four-wire)
- (4) DATAPHONE Select-A-Station Bridging with sequential arrangement ports or addressable arrangement ports

ACCESS SERVICE

7. Special Access Service (Cont'd)7.5 Voice Grade Service (Cont'd)7.5.3 Optional Features and Functions (Cont'd)(A) Central Office Bridging Capability (Cont'd)

(5) Telemetry and Alarm Bridging

Split Band, Active Bridging
Passive Bridging
Summation, Active Bridging

The rates for these options are set forth in rate sections following.

(B) Reserved For Future Use

(C)

(D)

(C) Conditioning

Conditioning provides more specific transmission characteristics for Voice Grade services. The rates for these options are set forth in rate sections following.

For two-point services, the parameters apply to each service as measured end-to-end. For multipoint services, the parameters apply as measured on each mid-link or as measured on each end link. C-Type conditioning and Data Capability may be combined on the same service.

(D)

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7. Special Access Service (Cont'd)7.5 Voice Grade Service (Cont'd)7.5.3 Optional Features and Functions (Cont'd)(H) Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of an access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to another channel that terminates in either the same or a different customer premises. A dial-up control service is required to operate the transfer arrangement. A spare channel, if required, is not included as part of the option. The rate for this option is set forth in rate sections following.

(D)

(I) Public Packet Switching Network (PPSN) Interface Arrangement

An arrangement that provides the interface requirements that permit a Voice Grade service to interface with a Public Packet Switching Network packet switch located in a Company premises. The interface is compatible with X.25 and X.75 packet switching protocols as defined by the CCITT. This option is provided on an Individual Case Basis as set forth in rate sections following.

(T)

(J) Four-Wire/Two-Wire Conversions

When a customer requests that an effective four-wire channel be terminated with a two-wire channel interface at the customer designated premises, a four-wire to two-wire conversion is required. The customer will be charged the four-wire Non-Competitive End User Channel Termination (EUCT) rate as set forth in 17.3.3(A), 18.3.3(A) and 19.3.3(A) following when an effective four-wire is specified in the order for service. The rate for the conversion is included as part of the basic four-wire Non-Competitive EUCT rate.

(C)

(C)

(C)

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7. Special Access Service (Cont'd)7.6 Program Audio Service7.6.1 Basic Channel Description

A Program Audio Non-Competitive End User Channel Termination (EUCT) is a channel with bandwidth measured in Hz for the transmission of a complex signal voltage. The actual bandwidth is a function of the channel interface selected by the customer. Only one-way transmission is provided. Program Audio Non-Competitive EUCT channels are provided between customer designated premises or between a customer designated premises and a Company hub. (C)

Program Audio Special Access Non-Competitive EUCTs are typically used in full-time and part-time applications for radio broadcasting, noncommercial educational audio, and wired music. These examples of applications are not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use. (C)

Rates and charges for Special Access Program Audio Non-Competitive EUCT are as set forth in rate sections following. (C)

7.6.2 Technical Specifications Packages and Network Channel Interfaces

Technical Specifications Packages are set forth in 15.2.1(D) following. Compatible network channel interfaces are set forth in 15.2.2(C)(4) following.

7.6.3 Optional Features and Functions(A) Central Office Bridging Capability

Distribution Amplifier

(B) Gain Conditioning

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

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.7 Reserved For Future Use ⁽¹⁾

(C)

(D)

(D)

⁽¹⁾ Effective September 22, 2017 CenturyLink was granted authority pursuant to Section 63.71 of the Federal Communications Commission's ('Commission') rules 47 C.F.R. § 63.71, and Section 214 of the Communications Act of 1934, as amended, 47 U.S.C. § 214 to discontinue its wholesale interstate Metallic, Telegraph, Narrowband, Wideband Analog, Wideband Digital and Analog Video Services.

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7. Special Access Service (Cont'd)7.8 Digital Data Service7.8.1 Basic Channel Description

A Digital Data Non-Competitive End User Channel Termination (EUCT) is a channel for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6, 19.2, 56 or 64 Kbps. The actual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service with timing provided by the Company through the Company's facilities to the customer in the received bit stream. Digital Data Non-Competitive EUCTs are provided as either hubbed or non-hubbed services between customer designated premises or between a customer designated premises and a Company hub. The hubs providing hubbed digital service and the wire centers providing non-hubbed digital service are identified in National Exchange Carrier Association, Inc., Wire Center Information, Tariff F.C.C. No. 4. (C)

The customer may provide the Channel Service Unit-type equipment associated with the Digital Data Non-Competitive EUCT at the customer premises. (T)

The Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875% error-free seconds (if provided through a Digital Data hub) while the channel is in service, if it is measured through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference MDP-326-726. (T)

Rates and charges for Special Access Digital Data Non-Competitive EUCTs are as set forth in rate sections following. (C)

7.8.2 Technical Specifications Packages and Network Channel Interfaces

Technical Specifications Packages are set forth in 15.2.1(F) following. Compatible channel interfaces are set forth in 15.2.2(C)(6) following.

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7. Special Access Service (Cont'd)7.8 Digital Data Service (Cont'd)7.8.2 Technical Specifications Packages and Network Channel Interfaces (Cont'd)

The following network channel interfaces (NCIs) define the bit rates that are available for a Digital Data Non-Competitive End User Channel Termination (EUCT):

(C)

<u>NCI</u>	<u>Bit Rate</u>
DU-24	2.4 Kbps
DU-48	4.8 Kbps
DU-96	9.6 Kbps
DU-19	19.2 Kbps
DU-56	56.0 Kbps
DU-64	64.0 Kbps

7.8.3 Optional Features and Functions

The Optional Features and Functions described in (A), (B), and (C) following are only available where Digital Data Service is provided via a hub.

(A) Central Office Bridging Capability

Bridging is not available on 64.0 Kbps channel.

(B) Transfer Arrangement

An arrangement that affords the customer an additional measure of protection and/or flexibility in the use of their access channel(s) on a 1xN basis. The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer designated premises. This arrangement is only available at a Company designated hub. A dial-up control service is required to operate the transfer arrangement. A spare channel, if required, is not included as a part of the option.

(D)

(C) Public Package Switching Network (PPSN) Interface Arrangement

An arrangement that provides the interface requirements that permit a Digital Data Non-Competitive EUCT to interface with a Public Packet Switching Network packet switch located in a Company premises. The interface is compatible with X.25 and X.75 packet switching protocols as defined by the CCITT.

(T)
(C)

The table set forth in 15.2.1(F) following shows the technical specifications packages with which the optional features and functions are available.

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7. Special Access Service (Cont'd)7.9 High Capacity Service7.9.1 Basic Channel Description

A High Capacity Non-Competitive End User Channel Termination (EUCT) is a channel for the transmission of nominal 64.0 Kbps** or 1.544, 3.152, 6.132 or 44.736 Mbps isochronous serial data. The actual bit rate is a function of the channel interface selected by the customer. High Capacity channels are provided between customer designated premises and a Company hub.

(C)
(D)

(D)

A channel with technical specifications package HC1 will be capable of an error-free second performance of 98.75% over a continuous 24 hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference GR-54. Rates and charges for Special Access High Capacity Non-Competitive EUCT are as set forth in rate sections following.

(C)
(D)

** Available only as a channel of a 1.544 Mbps facility to a Company Digital Data hub or as a cross connect of two 2.4, 4.8, 9.6, 56.0 or 64.0 Kbps channels of two 1.544 Mbps facilities to a Digital Data hub(s). The customer must provide system and channel assignment data.

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7. Special Access Service (Cont'd)7.9 High Capacity Service (Cont'd)7.9.2 Technical Specifications Packages and Network Channel Interfaces

Technical Specifications Packages are set forth in 15.2.1(G) following.
Compatible channel interfaces are set forth in 15.2.2(C)(7) following.

The following network channel interfaces (NCIs) define the bit rates that are available for a High Capacity channel:

<u>NCI</u>	<u>Bit Rate</u>
DS-15*	1.544 Mbps (DS1)
DS-31	3.152 Mbps (DS1C)
DS-44	44.736 Mbps (DS3)
DS-63	6.312 Mbps (DS2)

(D)

* A 64.0 Kbps channel is available as a channel(s) of a 1.544 Mbps channel to a Company hub.

(T)

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7. Special Access Service (Cont'd)7.9 High Capacity Service (Cont'd)7.9.3 Optional Features and Functions(A) Automatic Loop Transfer

The Automatic Loop Transfer provides protection on a 1xN basis against failure of the facilities between a customer designated premises and the wire center serving that premises. Protection is furnished through the use of a switching arrangement that automatically switches to a spare channel line when a working line fails. The spare channel is not included as a part of the option. This option requires compatible equipment at both the serving wire center and the customer designated premises. The customer is responsible for providing the equipment at its designated premises. Equipment at the customer designated premises will be provided under tariff only if it existed in the Company inventory as of November 18, 1983.

(T)

(B) Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer designated premises. A dial-up control service is required to operate the transfer arrangement. A spare channel, if required, is not included as part of the option.

(D)

(D)

(D)

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7. Special Access Service (Cont'd)

7.9 High Capacity Service (Cont'd)

7.9.3 Optional Features and Functions (Cont'd)

(C) Reserved For Future Use

(C)

(D)

(D)

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7. Special Access Service (Cont'd)

7.9 High Capacity Service (Cont'd)

7.9.3 Optional Features and Functions (Cont'd)

(D)

(D)

(D) Reserved For Future Use

(E) Reserved For Future Use

(C)

(D)

(D)

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7. Special Access Service (Cont'd)

7.9 High Capacity Service (Cont'd)

7.9.3 Optional Features and Functions (Cont'd)

(F) Reserved For Future Use

(C)

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

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

10.5.1 Type and Description (Cont'd)

(B) Reserved For Future Use ⁽¹⁾

(C)

(D)

(D)

⁽¹⁾ Effective September 22, 2017 CenturyLink was granted authority pursuant to Section 63.71 of the Federal Communications Commission's ("Commission") rules 47 C.F.R. § 63.71, and Section 214 of the Communications Act of 1934, as amended, 47 U.S.C. § 214 to discontinue its wholesale interstate Metallic, Telegraph, Narrowband, Wideband Analog, Wideband Digital and Analog Video Services.

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10. Special Federal Government Access Services (Cont'd)10.6 Rates and Charges10.6.1 General

The rates and charges for special offerings to the federal government, such as those set forth in 10.5 preceding, are developed on an individual case basis and are set forth in Rate Sections following.

10.6.2 Voice Grade Special Access ⁽¹⁾

(C)

The provision of T-3 and G-Conditioned services contemplates station and tandem switching operations, using customer provided equipment, as well as Special Access Service. Voice grade services, where required by the customer provided equipment or switching operation, are furnished in accordance with the applicable sections of this tariff.

(D)

10.6.3 Move Charges

- (A) When a service without a termination charge associated with it, as set forth in Rate Sections following, is moved to a different building, the nonrecurring charge applies; when a moved to a new location in the same building, a charge of one-half the nonrecurring charge applies.
- (B) When service with a termination charge associated with it, as set forth in Rate Sections following, is moved and is reinstalled at a new location, the customer may elect:
- to pay the unexpired portion of the termination charge for the service, if any, with the application of a nonrecurring charge and the establishment of a new termination charge for such service at the new location, or
 - to continue service subject to the unexpired portion of the termination charge, if any, and pay the estimated costs of moving such service, provided that the customer requests these charges be quoted prior to ordering the service move. Charges for moving such service will be based on estimated costs attributable to the move.

⁽¹⁾ Effective September 22, 2017 CenturyLink was granted authority pursuant to Section 63.71 of the Federal Communications Commission's ('Commission') rules 47 C.F.R. § 63.71, and Section 214 of the Communications Act of 1934, as amended, 47 U.S.C. § 214 to discontinue its wholesale interstate Metallic, Telegraph, Narrowband, Wideband Analog, Wideband Digital and Analog Video Services.

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11. Special Facilities Routing of Access Services11.1 Description

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

(T)
(T)11.1.1 Diversity

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

11.1.2 Avoidance

A circuit(s) must be provided on a route which avoids specified geographical locations.

11.1.3 Diversity and Avoidance Combined11.1.4 Cable-Only Facilities

Certain Voice Grade services are provided on Cable-Only Facilities to meet the particular needs of a customer.

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

(T)

Avoidance and Diversity are available on Switched Access Service as set forth in Section 6 preceding; Voice Grade Special Access Services as set forth in 7.5 preceding and Special Federal Government Access Services as set forth in 10.5 preceding. Cable-Only Facilities are available for Switched Access Service as set forth in Section 6 preceding; Voice Grade Special Access Services as set forth in 7.5 preceding and Special Federal Government Access Services as set forth in 10.5 preceding.

(D)

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13. Additional Engineering, Additional Labor and Miscellaneous Services

13.1 addresses Additional Engineering. 13.2 addresses Additional Labor (which is comprised of Overtime Installation, Overtime Repair, Stand by, Testing and Maintenance with Other Telephone Companies, and Other Labor). 13.3 addresses Miscellaneous Services (which are comprised of Testing Services, Maintenance of Service and Telecommunications Service Restoration Priority). 13.4 addresses Presubscription.

In this section, normally scheduled working hours are an employee's scheduled work period in any given calendar day (e.g., 8:00 a.m. to 5:00 p.m.) for the application of rates based on working hours.

A Miscellaneous Service Order charge as described in 5.4.2 preceding may be applicable to services ordered from this section.

13.1 Additional Engineering

For Special Access Additional Engineering, only Non-Competitive End-User Channel Terminations are filed as part of this tariff. Additional Engineering to complete the circuit are outside this tariff and can be accessed at the Company's website or Company's other designated location.

(N)
|
(N)

Additional Engineering, including engineering reviews as set forth in 5.4.3 preceding, will be undertaken only after the Company has notified the customer that additional engineering charges apply as set forth in rate sections following, and the customer agrees to such charges.

(T)

Additional Engineering will be provided by the Company at the request of the customer only when:

(T)

(A) A customer requests additional technical information after the Company has already provided the technical information normally included on the Design Layout Report (DLR) as set forth in 6.1.5 and 7.1.6 preceding.

(T)

(B) Additional engineering time is incurred by the Company to engineer a customer's request for a customized service as set forth in 7.1.2 preceding.

(T)

(C) A customer requested Design Change requires the expenditure of additional engineering time. Such additional engineering time is incurred by the Company for the engineering review as set forth in 5.4.3 preceding. The charge for additional engineering time relating to the engineering review, which is undertaken to determine if a design change is indeed required, will apply whether or not the customer authorizes the Company to proceed with the Design Change. In this case the Design Change charge, as set forth in rate sections following, does not apply unless the customer authorizes the Company to proceed with the Design Change.

(T)

(T)

(T)

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.2 Additional Labor

For Special Access Additional Labor, only Non-Competitive End-User Channel Terminations are filed as part of this tariff. Additional Labor to complete the circuit is outside this tariff and can be accessed at the Company's website or Company's other designated location. (N)

Additional Labor is that labor requested by the customer on a given service and agreed to by the Company as set forth in 13.2.1 through 13.2.5 following. The Company will notify the customer that additional labor charges as set forth in rate sections following will apply before any additional labor is undertaken. When provisioning or restoring Telecommunications Service Priority services, the Company will, when possible, notify the customer of the applicability of these Additional Labor charges. (T)

13.2.1 Overtime Installation

Overtime installation is that Company installation effort outside of normally scheduled working hours. (T)

13.2.2 Overtime Repair

Overtime repair is that Company effort performed outside of normally scheduled working hours. (T)

13.2.3 Stand by

Stand by includes all time in excess of one-half (1/2) hour during which Company personnel stand by to make installation acceptance tests or cooperative tests with a customer to verify facility repair on a given service. (T)

13.2.4 Testing and Maintenance with Other Telephone Companies

Additional testing, maintenance or repair of facilities which connect other telephone companies is that which is in addition to the normal effort required to test, maintain or repair facilities provided solely by the Company. (T)

13.2.5 Other Labor

Other labor is that additional labor not included in 13.2.1 through 13.2.4 preceding and labor incurred to accommodate a specific customer request that involves only labor which is not covered by any other section of this tariff.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.1 Testing Services (Cont'd)(B) Special Access Service

For Special Access Testing Services, only Non-Competitive End-User Channel Terminations are filed as part of this tariff. Testing Services to complete the circuit is outside this tariff and can be accessed at the Company's website or Company's other designated location.

(N)

(N)

The Company will provide assistance in performing specific tests requested by the customer.

(T)

(1) Additional Cooperative Acceptance Testing

When a customer provides a technician at its premises or at an end user's premises, with suitable test equipment to perform the requested tests, the Company will provide a technician at its office for the purpose of conducting Additional Cooperative Acceptance Testing on Voice Grade Services.

(T)

At the customer's request, the Company will provide a technician at the customer's premises or at the end user premises. These tests may, for example, consist of the following:

(T)

- Attenuation Distortion (i.e., frequency response)
- Intermodulation Distortion (i.e., harmonic distortion)
- Phase Jitter
- Impulse Noise
- Envelope Delay Distortion
- Echo Control
- Frequency Shift

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.2 Maintenance of Service

For Special Access Maintenance of Service, only Non-Competitive End-User Channel Terminations are filed as part of this tariff. Maintenance of Service to complete the circuit is outside this tariff and can be accessed at the Company's website or Company's other designated location.

(N)

(N)

(A) When a customer reports a trouble to the Company for clearance and no trouble is found in the Company's facilities, the customer shall be responsible for payment of a Maintenance of Service charge as set forth in rate sections following for the period of time from when Company personnel are dispatched, at the request of the customer, to the customer designated premises to when the work is completed. Failure of Company personnel to find trouble in Company facilities will result in no charge if the trouble is actually in those facilities, but not discovered at the time.

(T)

(T)

(T)

(T)

(B) The customer shall be responsible for payment of a Maintenance of Service charge when the Company dispatches personnel to the customer designated premises, and the trouble is in equipment or communications systems provided by other than the Company or in detariffed CPE provided by the Company.

(T)

(T)

(T)

In either (A) or (B) preceding, no credit allowance will be applicable for the interruption involved if the Maintenance of Service Charge applies.

13.3.3 Telecommunications Service Priority – TSP

(A) Priority installation and/or restoration of National Security Emergency Preparedness (NSEP) telecommunications services shall be provided in accordance with Part 64.401, Appendix A, of the Federal Communications Commission's (FCC's) Rules and Regulations.

In addition, TSP System service shall be provided in accordance with the guidelines set forth in "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook" (NCSH 3-1-2) dated July 9, 1990, and "Telecommunications Service Priority System for National Security Emergency Preparedness Service User Manual" (NCSM 3-1-1).

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service

For Special Access Service, only Non-Competitive End-User Channel Terminations are filed as part of this tariff. Other Special Access Services to complete the circuit are outside this tariff and can be accessed at the Company's website or Company's other designated location.

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This section explains and lists the codes that the customer must specify when ordering Special Access Service, Switched Access Entrance Facilities, and Voice Grade and High Capacity Direct Trunked Transport. These codes provide a standardized means to relate the services being ordered to Special Access Service offerings contained in Section 7 preceding and/or can be accessed at the Company's website or Company's other designated location.

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When ordering, the type of Special Access Service or Switched Access Entrance Facility or Direct Trunked Transport is described by two code sets, the Network Channel (NC) code and the Network Channel Interface (NCI) codes.

The Network Channel (NC) code consists of two elements. Element one is a Channel Service Code (character positions 1 and 2) that describes the channel service type in an abbreviated form. Element two is an Optional Feature Code (character positions 3 and 4) that identifies option codes available for each channel service code, such as C-Conditioning or Improved Return Loss.

The Network Channel Interface (NCI) is used to identify interface specifications associated with a particular channel. This code describes the total wires, protocol, impedance, protocol options and transmission level point(s) reflecting physical and electrical characteristics between the Company and the customer.

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On the following pages are examples which explain the specific characters of the codes and which reference matrices and charts used in developing the codes. Included in the matrices are Service Designator (SD) codes which are used to identify variations of service within service types. The SD and NC codes are displayed as components of the matrices designated as Technical Specifications packages in (C), (D), (F) and (G) following. Through the use of these matrices, SD codes may be converted to NC codes for service ordering purposes.

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A chart is also provided in 15.2.2(A) following which contains information necessary to develop NCI codes.

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)

Example No. 2: If the customer wishes to order a FX circuit to a station, with 600 Ohms impedance, loop start signaling, which is

4-wire at the CDP and 2-wire at the end-user, the customer might specify:

<u>NC</u>	<u>NCI</u>	<u>SECNCI</u>
LC--	04LO2	02LS2

NC Code:

LC = Voice Grade Channel Service, VG2
-- = No Optional Features

NCI Code:

04 = Number of physical wires at CDP
LO = Loop start, loop signaling - open end
2 = 600 Ohms impedance

SECNCI (Secondary NCI Code):

02 = Number of physical wires at CDP
LS = Loop start signaling - closed end
2 = 600 Ohms impedance

Example No. 3: If the customer wishes to order a 1.544 Mbps Hi-Cap facility with no channel options, the customer might specify the following:

(C)

<u>NC</u>	<u>NCI</u>	<u>SECNCI</u>
HC--	04DS9-15	04DS9-15

NC Code:

HC = High Capacity Channel Service, HC1
-- = No Optional Features

NCI, SECNCI Code:

04 = Number of physical wires at CDP
DS = Digital hierarchy interface
9 = 100 Ohms impedance
15 = 1.544 Mbps (DS1) format

The preceding three examples use information contained in Special Report SR-ISD-000307.

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)15.2.1 Network Channel (NC) Codes

In order to determine the NC code appropriate for the service to be ordered, the type of Special Access Service the customer wishes must be identified. This identification is accomplished by a Service Designator (SD) code. The broad categories of Service Designator codes (e.g., VG, etc.) are set forth in Section 7 preceding. Variations within service type (e.g., VG1, etc.) are described in the various Technical Publications cited in (C), (D), (F) and (G) following.

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Having determined the specific service type to be ordered and its SD code, and having used the appropriate Technical Publication, the customer should match the SD code to the NC code using the following matrices. Once the NC code has been determined the Network Channel Interface (NCI) code may be developed using the information set forth in 15.2.2 following and the guidelines concerning specific parameters available for each service type as set forth in the specified Technical Publication.

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15.2 Special Access Service (Cont'd)

15.2.1 Network Channel (NC) Codes (Cont'd)

(B) Reserved For Future Use

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)15.2.1 Network Channel (NC) Codes (Cont'd)(C) Technical Specifications Packages Voice Grade Service (Cont'd)

SD Code NC Code	Package VG-													W SE
	<u>C**</u> <u>LQ</u>	<u>1</u> <u>LB</u>	<u>2</u> <u>LC</u>	<u>3</u> <u>LD</u>	<u>4</u> <u>LE</u>	<u>5</u> <u>LF</u>	<u>6</u> <u>LG</u>	<u>7</u> <u>LH</u>	<u>8</u> <u>LJ</u>	<u>9</u> <u>LK</u>	<u>10</u> <u>LN</u>	<u>11</u> <u>LP</u>	<u>12</u> <u>LR</u>	
<u>Optional Features and Functions</u>														
Central Office Bridging Capability	X		X			X	X				X	X	X	
Conditioning: C-Type	X					X	X	X	X	X	X			
Improved Attenuation Distortion	X					X	X	X	X	X	X			
Improved Envelope Delay Distortion	X					X	X	X	X	X	X			
Sealing Current	X						X							
Data Capability	X						X	X			X			
Telephoto Capability	X											X		
Customer Specified Premises Receive Level	X		X	X				X	X	X				
Improved Return Loss for Effective Four-Wire Transmission	X	X	X	X	X	X	X	X	X	X	X	X	X	
For Effective Two-Wire Transmission	X		X	X				X						
Improved Two-Wire Voice Transmission														X
PPSN Interface Arrangement	X									X				
Selective Signaling Arrangement	X		X			X	X				X	X	X	
Signaling Capability	X	X	X	X				X	X	X				
Transfer Arrangement	X	X	X	X	X	X	X	X	X	X	X	X	X	

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15.2 Special Access Service (Cont'd)

15.2.1 Network Channel (NC) Codes (Cont'd)

(E) Reserved For Future

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15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)15.2.1 Network Channel (NC) Codes (Cont'd)(G) Technical Specifications Packages High Capacity Service

		<u>Package</u>					
SD Code	NC Code	<u>HC0</u>	<u>HC1</u>	<u>HC1C</u>	<u>HC2</u>	<u>HC3</u>	<u>HC4</u>
		<u>HS</u>	<u>HC</u>	<u>HD</u>	<u>HE</u>	<u>HF</u>	<u>HG</u>
<u>Parameters</u>							
Error-Free Seconds			X				
<u>Optional Features and Functions</u>							
Automatic Loop Transfer				X			

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A channel with technical specifications package HC1 will be capable of an error-free second performance of 98.75% over a continuous 24 hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference GR-54.

** Available only on a channel of 1.544 Mbps facility to a Company hub.

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<u>Code</u>	<u>Option</u>	<u>Definition</u>	
AB	-	accepts 20 Hz ringing signal at customer's point of Termination	
AC	-	accepts 20 Hz ringing signal at customer's end user's point of termination	
AH	-	analog high capacity interface	
	- B	60 kHz to 108 kHz (12 channels)	
	- C	312 kHz to 552 kHz (60 channels)	
	- D	564 kHz to 3084 kHz (600 channels)	(D)
CT	-	Centrex Tie Trunk Termination	
DA	-	data stream in VF frequency band at customer's end user's point of termination	
DB	-	data stream in VF frequency band at customer's point of Termination	(D)
			(D)
DC	-	direct current or voltage	
	- 1	monitoring interface with series RC combination (McCulloh format)	(D)
			(D)
DD	-	DATAPHONE Select-A-Station (and TABS) interface at customer's point of termination	
DE	-	DATAPHONE Select-A-Station (and TABS) interface at the customer's end user's point of termination	

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<u>Code</u>	<u>Option</u>	<u>Definition</u>
DS	-	digital hierarchy interface
	- 15	1.544 Mbps (DS1) format per PUB 62411 plus D4
	- 15E	8-bit PCM encoded in one 64 kbps of the DS1 signal
	- 15F	8-bit PCM encoded in two 64 kbps of the DS1 signal
	- 15G	8-bit PCM encoded in three 64 kbps of the DS1 signal
	- 15H	14/11-bit PCM encoded in six 64 kbps of the DS1 signal
	- 15J	1.544 Mbps format per PUB 62411
	- 15K	1.544 Mbps format per PUB 62411 plus extended framing format
	- 15L	1.544 Mbps (DS1) with SF signaling
	- 31	3.152 Mbps (DS1C)
	- 31L	3.152 Mbps (DS1C) with SF signaling
	- 44	44.736 Mbps (DS3)
	- 44L	44.736 Mbps (DS3) with SF signaling
	- 63	6.312 Mbps (DS2)
	- 63L	6.312 Mbps (DS2) with SF signaling
DU	-	digital access interface
	- 24	2.4 kbps
	- 48	4.8 kbps
	- 19	19.2 kbps
	- 56	56.0 kbps
	- 64	64.0 kbps
	- 96	9.6 kbps
	- A	1.544 Mbps format per PUB 62411
	- B	1.544 Mbps format per PUB 62411 plus D4
	- C	1.544 Mbps format per PUB 62411 plus extended framing format
DX	-	duplex signaling interface at customer's point of termination
DY	-	duplex signaling interface at customer's end user's point of termination

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<u>Code</u>	<u>Option</u>	<u>Definition</u>
EA	- E	Type I E&M Lead Signaling. Customer at POT or customer's end user at POT originates on E Lead.
EA	- M	Type I E&M Lead Signaling. Customer at POT or customer's end user at POT originates on M Lead.
EB	- E	Type II E&M Lead Signaling. Customer at POT or customer's end user at POT originates on E Lead.
EB	- M	Type II E&M Lead Signaling. Customer at POT or customer's end user at POT originates on M Lead.
EC	-	Type III E&M signaling at customer POT
EX	- A	tandem channel unit signaling for loop start or ground start and customer supplies open end (dial tone, etc.) functions.
EX	- B	tandem channel unit signaling for loop start or ground start and customer supplies closed end (dial pulsing, etc.) functions.
GO	-	ground start loop signaling - open end function by customer or customer's end user
GS	-	ground start loop signaling - closed end function by customer or customer's end user

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<u>Code</u>	<u>Option</u>	<u>Definition</u>
PG	-	program transmission - no dc signaling
	- 1	nominal frequency from 50 to 15000 Hz
	- 3	nominal frequency from 200 to 3500 Hz
	- 5	nominal frequency from 100 to 5000 Hz
	- 8	nominal frequency from 50 to 8000 Hz
PR	-	protective relaying**
QB		central office manual cross connect termination with no subrating capability
RV	- 0	reverse battery signaling, one way operation, originate by Customer
	- T	reverse battery signaling, one way operation, terminate function by customer or customer's end user
SF	-	single frequency signaling with VF band at either customer POT or customer's end user POT

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** Available only for the transmission of audio tone protective relaying signals used in the protection of electric power systems during fault conditions.

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15. Access Service Interfaces and Transmission Specifications (Cont'd)

15.2 Special Access Service (Cont'd)

15.2.2 Network Channel Interface (NCI) Codes (Cont'd)

(C) Compatible Network Channel Interfaces

The following tables show the Network Channel Interface codes (NCIs) which are compatible:

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15.2 Special Access Service (Cont'd)

15.2.2 Network Channel Interface (NCI) Codes (Cont'd)

(C) Compatible Network Channel Interfaces (Cont'd)

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4DU8-A,B or C
6DU8-A,B or C4DS8-15J 4DU8-A
6DU8-A4DS6-27 4DS6-27
4DU8-A,B or C
6DU8-A,B or C4DS8-15K 4DU8-B
4DU8-C
6DU8-B
6DU8-C4DS6-44 4DS6-44
4DU8-A,B or C
6DU8-A,B or C4DS8-31 4DS8-31
4DU8-A,B or C
6DU8-A,B or C4DS8-15 4DS8-15+
4DU8-B
6DU8-84DU8-A,B
or C 4DU8-A,B or C

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16. Reserved For Future Use

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16. Reserved For Future Use

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17. Rates and Charges - CenturyTel of Ohio, Inc. (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.2 Reserved For Future Use⁽¹⁾

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⁽¹⁾ Effective September 22, 2017 CenturyLink was granted authority pursuant to Section 63.71 of the Federal Communications Commission's ("Commission") rules, 47 C.F.R. § 63.71, and Section 214 of the Communications Act of 1934, as amended, 47 U.S.C. § 214, to discontinue its wholesale interstate Metallic, Telegraph, Narrowband, Wideband Analog, Wideband Digital and Analog Video services.

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17. Rates and Charges - CenturyTel of Ohio, Inc. (Cont'd)17.3 Special Access Service (Cont'd)17.3.3 Voice Grade Service

Regulations concerning Voice Grade Service are set forth in 7.5 preceding.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(A) Non-Competitive End User Channel Termination (EUCT) Per Termination			(C) (C)
- Two-Wire	\$48.00	\$173.54	
- Four-Wire	\$72.00	\$173.54	
(B) Reserved For Future Use			(C) (D)
(C) Optional Features and Functions (1) Bridging			(D)
(a) <u>Voice Bridging</u> Per Port			
- Two-Wire	\$ 6.30		
- Four-Wire	\$ 6.30		

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17. Rates and Charges - CenturyTel of Ohio, Inc. (Cont'd)17.3 Special Access Service (Cont'd)17.3.3 Voice Grade Service (Cont'd)

		Monthly Rate	
(C)	Optional Features and Functions (Cont'd)		
(5)	Reserved For Future Use		(C) (D)
(6)	Signaling Capability Per termination	\$8.65	
(7)	Selective Signaling Arrangement Per arrangement	ICB	
(8)	Transfer Arrangement		
	- Per four port arrangement including control channel termination ¹	ICB	
	- Per five port arrangement including control channel termination ¹	ICB	
(9)	Public Packet Switching Network (PPSN) Interface Arrangement Per arrangement	ICB	

¹ An additional Non-Competitive End User Channel Termination (EUCT) charge will apply whenever a spare channel is configured as a leg to the customer designated premises.

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17. Rates and Charges - CenturyTel of Ohio, Inc. (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Program Audio Service

Regulations concerning Program Audio Service are set forth in 7.6 preceding.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(A) Non-Competitive End User Channel Termination (EUCT) Per Termination			(C) (C)
- 200 to 3500 Hz	\$58.70	\$168.46	
- 100 to 5000 Hz	\$58.70	\$168.46	
- 50 to 8000 Hz	\$60.40	\$168.46	
- 50 to 15000 Hz	\$60.40	\$168.46	
(B) Reserved For Future Use			(C)

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17. Rates and Charges - CenturyTel of Ohio, Inc. (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.5 Reserved For Future Use⁽¹⁾

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⁽¹⁾ Effective September 22, 2017 CenturyLink was granted authority pursuant to Section 63.71 of the Federal Communications Commission's ("Commission") rules, 47 C.F.R. § 63.71, and Section 214 of the Communications Act of 1934, as amended, 47 U.S.C. § 214, to discontinue its wholesale interstate Metallic, Telegraph, Narrowband, Wideband Analog, Wideband Digital and Analog Video services.

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17. Rates and Charges - CenturyTel of Ohio, Inc. (Cont'd)17.3 Special Access Service (Cont'd)17.3.6 Digital Data Service

Regulations concerning Digital Data Service are set forth in 7.8 preceding.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(A) Non-Competitive End User Channel Termination (EUCT) Per Termination			(C) (C)
- 2.4 kbps	\$81.55	\$224.28	
- 4.8 kbps	\$81.55	\$224.28	
- 9.6 kbps	\$81.55	\$224.28	
- 19.2 kbps	\$81.55	\$224.28	
- 56.0 kbps	\$81.55	\$224.28	
- 64.0 kbps	\$89.75	\$224.28	
(B) Reserved For Future Use			(C)

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17. Rates and Charges - CenturyTel of Ohio, Inc. (Cont'd)17.3 Special Access Service (Cont'd)17.3.6 Digital Data Service (Cont'd)

	Monthly Rate
(C) Optional Features and Functions	
(1) Bridging Per port	\$7.60
(2) Loop Transfer Arrangement Per four port arrangement ¹	ICB
(3) Public Packet Switching Network Interface Arrangement	
- Per 9.6 kbps arrangement	ICB
- Per 56.0 kbps arrangement	ICB

¹ An additional Non-Competitive End User Channel Termination (EUCT) charge will apply whenever a spare channel is configured as a leg to the customer designated premises.

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17. Rates and Charges - CenturyTel of Ohio, Inc. (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 High Capacity Service

Regulations concerning High Capacity Service are set forth in 7.9 preceding.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(A) Non-Competitive End User Channel Termination (EUCT) Per Termination			(C) (C)
- 1.544 Mbps	\$239.90	\$240.38	
- 3.152 Mbps	ICB	ICB	
- 6.312 Mbps	ICB	ICB	
- 44.736 Mbps	\$2,686.55	\$800.00	(D)
(B) Reserved For Future Use			(C) (D)

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17. Rates and Charges - CenturyTel of Ohio, Inc. (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 High Capacity Service (Cont'd)(C) Term Discounts Percentage

(a) High Capacity Optional Rate Plan

- DS1 and DS3 services	
36 months	10%
60 months	20%

(b) Fixed Rate Term Plan

- DS3 services	
84 months	21%

(D) Optional Features and Functions

(1) Reserved For Future Use

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17. Rates and Charges - CenturyTel of Ohio, Inc. (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 High Capacity Service (Cont'd)

	<u>Monthly Rate</u>	
(D) Optional Features and Functions (Cont'd)		
(2) Automatic Loop Transfer Per arrangement ¹	ICB	
(3) Transfer Arrangement Per four port arrangement including control channel termination ²	ICB	
(E) Reserved For Future Use		(C) (D)
		(D)
(F) Reserved For Future Use		(C) (D)

¹ An additional Non-Competitive End User Channel Termination (EUCT) charge will apply whenever the spare line is provided as a leg to the customer designated premises.

² An additional Non-Competitive EUCT charge will apply whenever a spare channel is configured as a leg to the customer designated premises.

ACCESS SERVICE

17. Rates and Charges - CenturyTel of Ohio, Inc. (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.7 High Capacity Service (Cont'd)

(G) Reserved For Future

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17. Rates and Charges - CenturyTel of Ohio, Inc. (Cont'd)17.4 Other Services17.4.1 Access Ordering

	Switched Access Charge *	Special Access Non-Competitive End User Channel Termination (EUCT) Charge	Tariff Reference	(C) (C)
(A) <u>Access Order Charge</u> Per order	\$41.00	\$82.00	5.4.1	
(B) <u>Service Date Change Charge *</u> A Service Date Change Charge will apply, on a per order per occurrence basis, for each service date changed. The Access Order Charge as specified in 17.4.1(A) preceding does not apply. The applicable charge is: Service Date Change Charge, per order	\$17.50	\$35.00	5.4.3	
(C) <u>Design Change Charge *</u> The Design Change Charge will apply on a per order per occurrence basis, for each order requiring design change. The applicable charge is: Design Change Charge, per order	\$17.50	\$35.00	5.4.3	
(D) <u>Miscellaneous Service Order Charge *</u> Per Occurrence	\$17.50	\$35.00	5.4.3	
(E) <u>Expedited Order Charge</u> -Per Access Order, Per Business Day		<u>Charge</u> \$400.00	5.4.3	

* This flat rated charge was calculated based upon a 50/50 split between originating and terminating. The FCC in their FCC 11-161 ICC Transformation Order in Section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes.

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17. Rates and Charges - CenturyTel of Ohio, Inc. (Cont'd)17.4 Other Services (Cont'd)17.4.5 Special Federal Government Access Services

(A)	<u>Voice Grade Secure Communications</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	<u>Termination Charges</u>
	Type I, each T-3 Conditioning,	ICB rates and charges apply		
	Additional Conditioning, per service termination	ICB rates and charges apply		
	Type II, each G-1 Conditioning,	ICB rates and charges apply		
	Type III, each G-2 Conditioning,	ICB rates and charges apply		
	Additional Conditioning, per service termination	ICB rates and charges apply		
	Type IV, each G-3 Conditioning,	ICB rates and charges apply		
	Additional Conditioning, per service termination	ICB rates and charges apply		
(B)	Reserved For Future Use ⁽¹⁾			(C)

(D)

(D)

⁽¹⁾ Effective September 22, 2017 CenturyLink was granted authority pursuant to Section 63.71 of the Federal Communications Commission's ("Commission") rules, 47 C.F.R. § 63.71, and Section 214 of the Communications Act of 1934, as amended, 47 U.S.C. § 214, to discontinue its wholesale interstate Metallic, Telegraph, Narrowband, Wideband Analog, Wideband Digital and Analog Video services.

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17. Rates and Charges - CenturyTel of Ohio, Inc. (Cont'd)

17.4 Other Services (Cont'd)

17.4.8 Reserved For Future Use

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17. Rates and Charges - CenturyTel of Ohio, Inc. (Cont'd)

17.4 Other Services (Cont'd)

17.4.8 Reserved For Future Use

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17. Rates and Charges - CenturyTel of Ohio, Inc. (Cont'd)

17.4 Other Services (Cont'd)

17.4.8 Reserved For Future Use

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17. Rates and Charges - CenturyTel of Ohio, Inc. (Cont'd)

17.4 Other Services (Cont'd)

17.4.8 Reserved For Future Use

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17. Rates and Charges - CenturyTel of Ohio, Inc. (Cont'd)

17.4 Other Services (Cont'd)

17.4.8 Reserved For Future Use

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18. Rates and Charges – CenturyTel of Wisconsin, LLC; CenturyTel of Central Wisconsin, LLC; Telephone USA of Wisconsin, LLC; Spectra Communications Group, LLC (Cont'd)

18.3 Special Access Service (Cont'd)

18.3.2 Reserved For Future Use ⁽¹⁾

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⁽¹⁾ Effective September 22, 2017 CenturyLink was granted authority pursuant to Section 63.71 of the Federal Communications Commission's ('Commission') rules 47 C.F.R. § 63.71, and Section 214 of the Communications Act of 1934, as amended, 47 U.S.C. § 214 to discontinue its wholesale interstate Metallic, Telegraph, Narrowband, Wideband Analog, Wideband Digital and Analog Video Services.

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18. Rates and Charges – CenturyTel of Wisconsin, LLC; CenturyTel of Central Wisconsin, LLC; Telephone USA of Wisconsin, LLC; Spectra Communications Group, LLC (Cont'd)18.3 Special Access Service (Cont'd)18.3.3 Voice Grade Service

Regulations concerning Voice Grade Service are set forth in Section 7.5 preceding.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(A) Non-Competitive End User Channel Termination (EUCT) Per Termination			(C) (C)
- Two-Wire	\$18.30	\$174.80	
- Four-Wire	\$27.70	\$174.80	
(B) Reserved For Future Use			(C) (D) (D)
(C) Optional Features and Functions			
(1) Bridging			
(a) <u>Voice Bridging</u> Per Port			
- Two-Wire	\$ 2.55		
- Four-Wire	\$ 2.55		

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18. Rates and Charges – CenturyTel of Wisconsin, LLC; CenturyTel of Central Wisconsin, LLC; Telephone USA of Wisconsin, LLC; Spectra Communications Group, LLC (Cont'd)18.3 Special Access Service (Cont'd)18.3.3 Voice Grade Service (Cont'd)Monthly
Rate

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

(5) Reserved For Future Use

(C)
(D)(6) Signaling Capability
Per termination

\$5.40

(7) Selective Signaling Arrangement
Per arrangement

ICB

(8) Transfer Arrangement

- Per four port arrangement including
control channel termination¹

ICB

- Per five port arrangement including
control channel termination¹

ICB

(9) Public Packet Switching Network (PPSN)
Interface Arrangement Per arrangement

ICB

¹ An additional Non-Competitive End User Channel Termination (EUCT) charge will apply whenever a spare channel is configured as a leg to the customer designated premises.(C)
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ACCESS SERVICE

18. Rates and Charges – CenturyTel of Wisconsin, LLC; CenturyTel of Central Wisconsin, LLC; Telephone USA of Wisconsin, LLC; Spectra Communications Group, LLC (Cont'd)18.3 Special Access Service (Cont'd)18.3.4 Program Audio Service

Regulations concerning Program Audio Service are set forth in Section 7.6 preceding.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(A) Non-Competitive End User Channel Termination (EUCT) Per Termination			(C) (C)
- 200 to 3500 Hz	\$19.65	\$169.68	
- 100 to 5000 Hz	\$19.65	\$169.68	
- 50 to 8000 Hz	\$19.65	\$169.68	
- 50 to 15000 Hz	\$19.65	\$169.68	

(B) Reserved For Future Use (C)

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18. Rates and Charges – CenturyTel of Wisconsin, LLC; CenturyTel of Central Wisconsin, LLC; Telephone USA of Wisconsin, LLC; Spectra Communications Group, LLC (Cont'd)

18.3 Special Access Service (Cont'd)

18.3.5 Reserved For Future Use⁽¹⁾

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⁽¹⁾ Effective September 22, 2017 CenturyLink was granted authority pursuant to Section 63.71 of the Federal Communications Commission's ('Commission') rules 47 C.F.R. § 63.71, and Section 214 of the Communications Act of 1934, as amended, 47 U.S.C. § 214 to discontinue its wholesale interstate Metallic, Telegraph, Narrowband, Wideband Analog, Wideband Digital and Analog Video Services.

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18. Rates and Charges – CenturyTel of Wisconsin, LLC; CenturyTel of Central Wisconsin, LLC; Telephone USA of Wisconsin, LLC; Spectra Communications Group, LLC (Cont'd)18.3 Special Access Service (Cont'd)18.3.6 Digital Data Service

Regulations concerning Digital Data Service are set forth in Section 7.8 preceding.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(A) Non-Competitive End User Channel Termination (EUCT) per termination			(C) (C)
- 2.4 kbps	\$28.40	\$225.91	
- 4.8 kbps	\$28.40	\$225.91	
- 9.6 kbps	\$28.40	\$225.91	
- 19.2 kbps	\$28.40	\$225.91	
- 56.0 kbps	\$29.20	\$225.91	
- 64.0 kbps	\$31.65	\$225.91	

(B) Reserved For Future Use (C)

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18. Rates and Charges – CenturyTel of Wisconsin, LLC; CenturyTel of Central Wisconsin, LLC; Telephone USA of Wisconsin, LLC; Spectra Communications Group, LLC (Cont'd)18.3 Special Access Service (Cont'd)18.3.6 Digital Data Service (Cont'd)

	<u>Monthly Rate</u>
(C) Optional Features and Functions	
(1) Bridging Per port	\$3.85
(2) Loop Transfer Arrangement Per four port arrangement ⁽¹⁾	ICB
(3) Public Packet Switching Network Interface Arrangement	
- Per 9.6 kbps arrangement	ICB
- Per 56.0 kbps arrangement	ICB

⁽¹⁾ An additional Non-Competitive End User Channel Termination (EUCT) charge will apply whenever a spare channel is configured as a leg to the customer designated premises. (C)
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18. Rates and Charges – CenturyTel of Wisconsin, LLC; CenturyTel of Central Wisconsin, LLC; Telephone USA of Wisconsin, LLC; Spectra Communications Group, LLC (Cont'd)18.3 Special Access Service (Cont'd)18.3.7 High Capacity Service

Regulations concerning High Capacity Service are set forth in Section 7.9 preceding.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(A) Non-Competitive End User Channel Termination (EUCT), Per Termination			(C) (C)
- DS1 - 1.544 Mbps	\$ 68.06	\$240.00	
- DS1C - 3.152 Mbps	ICB	ICB	
- DS2 - 6.312 Mbps	ICB	ICB	
- DS3 - 44.736 Mbps	\$782.60	\$581.00	(D)

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18. Rates and Charges – CenturyTel of Wisconsin, LLC; CenturyTel of Central Wisconsin, LLC; Telephone USA of Wisconsin, LLC; Spectra Communications Group, LLC (Cont'd)18.3 Special Access Service (Cont'd)18.3.7 High Capacity Service (Cont'd)

(B) Reserved For Future Use

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(C) Term Discount	<u>Percentage</u>
(a) High Capacity Optional Rate Plan	
- DS1 and DS3 services 36 months 60 months	10% 20%
(b) Fixed Rate Term Plan*	
- DS3 services 84 months	21%

(D)

* The Fixed Rate Term Plan is applicable only for Spectra Communications Group, LLC.

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18. Rates and Charges – CenturyTel of Wisconsin, LLC; CenturyTel of Central Wisconsin, LLC; Telephone USA of Wisconsin, LLC; Spectra Communications Group, LLC (Cont'd)

18.3 Special Access Service (Cont'd)

18.3.7 High Capacity Service (Cont'd)

(D) Optional Features and Functions

- (1) Reserved For Future Use

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18. Rates and Charges – CenturyTel of Wisconsin, LLC; CenturyTel of Central Wisconsin, LLC; Telephone USA of Wisconsin, LLC; Spectra Communications Group, LLC (Cont'd)18.3 Special Access Service(Cont'd)18.3.7 High Capacity Service (Cont'd)Monthly Rate

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

(2) Automatic Loop Transfer Per arrangement ⁽¹⁾	\$118.40
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(3) Transfer Arrangement Per four port arrangement including control channel termination ⁽²⁾	\$100.64
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(E) Reserved For Future Use

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(F) Reserved For Future Use

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⁽¹⁾ An additional Non-Competitive End User Channel Termination (EUCT) charge will apply whenever the spare line is provided as a leg to the customer designated premises.

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⁽²⁾ An additional Non-Competitive EUCT charge will apply whenever a spare channel is configured as a leg to the customer designated premises

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18. Rates and Charges – CenturyTel of Wisconsin, LLC; CenturyTel of Central Wisconsin, LLC; Telephone USA of Wisconsin, LLC; Spectra Communications Group, LLC (Cont'd)

18.3 Special Access Service (Cont'd)

18.3.7 High Capacity Service (Cont'd)

(G) Reserved For Future Use

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18. Rates and Charges – CenturyTel of Wisconsin, LLC; CenturyTel of Central Wisconsin, LLC; Telephone USA of Wisconsin, LLC; Spectra Communications Group, LLC (Cont'd)18.4 Other Services18.4.1 Access Ordering

	Switched Access Charge *	Special Access Non-Competitive End User Channel Termination (EUCT) Charge	Tariff Reference	(C) (C)
(A) <u>Access Order Charge</u>	\$41.00	\$82.00	5.4.1	
Per order				
(B) <u>Service Date Change Charge *</u>				
A Service Date Change Charge will apply, on a per order per occurrence basis, for each service date changed. The Access Order Charge as specified in 17.4.1(A) preceding does not apply. The applicable charge is:				
Service Date Change Charge, per order	\$17.50	\$35.00	5.4.3	
(C) <u>Design Change Charge *</u>				
The Design Change Charge will apply on a per order per occurrence basis, for each order requiring design change. The applicable charge is:				
Design Change Charge, per order	\$17.50	\$35.00	5.4.3	
(D) <u>Miscellaneous Service Order Charge *</u>	\$17.50	\$35.00	5.4.2	
Per Occurrence				
		<u>Charge</u>		
(E) <u>Expedited Order Charge</u>				
-Per Access Order, Per Business Day		\$400.00	5.1.2	

* This flat rated charge was calculated based upon a 50/50 split between originating and terminating. The FCC in their FCC 11-161 ICC Transformation Order in Section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes.

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ACCESS SERVICE

18. Rates and Charges – CenturyTel of Wisconsin, LLC; CenturyTel of Central Wisconsin, LLC; Telephone USA of Wisconsin, LLC; Spectra Communications Group, LLC (Cont'd)18.4 Other Services(Cont'd)18.4.5 Special Federal Government Access Services

(A)	<u>Voice Grade Secure Communications</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	<u>Termination Charges</u>
	Type I, each T-3 Conditioning,	ICB rates and charges apply		
	Additional Conditioning, per service termination	ICB rates and charges apply		
	Type II, each G-1 Conditioning,	ICB rates and charges apply		
	Type III, each G-2 Conditioning,	ICB rates and charges apply		
	Additional Conditioning, per service termination	ICB rates and charges apply		
	Type IV, each G-3 Conditioning,	ICB rates and charges apply		
	Additional Conditioning, per service termination	ICB rates and charges apply		
(B)		Reserved For Future Use ⁽¹⁾		

(C)

(D)

18.4.6 Reserved For Future Use

(D)

⁽¹⁾ Effective September 22, 2017 CenturyLink was granted authority pursuant to Section 63.71 of the Federal Communications Commission's ("Commission") rules 47 C.F.R. § 63.71, and Section 214 of the Communications Act of 1934, as amended, 47 U.S.C. § 214 to discontinue its wholesale interstate Metallic, Telegraph, Narrowband, Wideband Analog, Wideband Digital and Analog Video Services.

ACCESS SERVICE

18. Rates and Charges – CenturyTel of Wisconsin, LLC; CenturyTel of Central Wisconsin, LLC; Telephone USA of Wisconsin, LLC; Spectra Communications Group, LLC (Cont'd)

18.4 Other Services (Cont'd)

18.4.8 Reserved For Future Use

(C)

(D)

(D)

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18. Rates and Charges – CenturyTel of Wisconsin, LLC; CenturyTel of Central Wisconsin, LLC;
Telephone USA of Wisconsin, LLC; Spectra Communications Group, LLC (Cont'd)

18.4 Other Services (Cont'd)

18.4.8 Reserved For Future Use

(C)

(D)

(D)

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18. Rates and Charges – CenturyTel of Wisconsin, LLC; CenturyTel of Central Wisconsin, LLC; Telephone USA of Wisconsin, LLC; Spectra Communications Group, LLC (Cont'd)

18.4 Other Services (Cont'd)

18.4.8 Reserved For Future Use

(C)

(D)

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18. Rates and Charges – CenturyTel of Wisconsin, LLC; CenturyTel of Central Wisconsin, LLC; Telephone USA of Wisconsin, LLC; Spectra Communications Group, LLC (Cont'd)

18.4 Other Services (Cont'd)

18.4.8 Reserved For Future Use

(C)

(D)

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18. Rates and Charges – CenturyTel of Wisconsin, LLC; CenturyTel of Central Wisconsin, LLC; Telephone USA of Wisconsin, LLC; Spectra Communications Group, LLC (Cont'd)

18.4 Other Services (Cont'd)

18.4.8 Reserved For Future Use

(C)

(D)

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19. Rates and Charges – CenturyTel Midwest-Michigan, Inc./CenturyTel of Michigan, Inc. (Cont'd)

19.3 Special Access Service (Cont'd)

19.3.2 Reserved For Future Use ⁽¹⁾

(C)

(D)

(D)

⁽¹⁾ Effective September 22, 2017 CenturyLink was granted authority pursuant to Section 63.71 of the Federal Communications Commission's ('Commission') rules 47 C.F.R. § 63.71, and Section 214 of the Communications Act of 1934, as amended, 47 U.S.C. § 214 to discontinue its wholesale interstate Metallic, Telegraph, Narrowband, Wideband Analog, Wideband Digital and Analog Video Services.

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19. Rates and Charges – CenturyTel Midwest-Michigan, Inc./CenturyTel of Michigan, Inc. (Cont'd)19.3 Special Access Service (Cont'd)19.3.3 Voice Grade Service

Regulations concerning Voice Grade Service are set forth in Section 7.5 preceding.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(A) Non-Competitive End User Channel Termination (EUCT) Per Termination			(C) (C)
- Two-Wire	\$6.30	\$158.51	
- Four-Wire	\$8.50	\$158.51	
(B) Reserved For Future Use			(C) (D) (D)
(C) Optional Features and Functions			
(1) Bridging			
(a) Voice Bridging Per Port			
- Two-Wire	\$2.35		
- Four-Wire	\$2.35		

ACCESS SERVICE

19. Rates and Charges – CenturyTel Midwest-Michigan, Inc./CenturyTel of Michigan, Inc. (Cont'd)19.3 Special Access Service (Cont'd)19.3.3 Voice Grade Service (Cont'd)Monthly
Rate

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

- | | | | |
|-----|---|--------|------------|
| (5) | Reserved For Future Use | | (C)
(D) |
| (6) | Signaling Capability
Per termination | \$4.60 | |
| (7) | Selective Signaling Arrangement
Per arrangement | ICB | |
| (8) | Transfer Arrangement | | |
| | - Per four port arrangement including
control channel termination*** | ICB | |
| | - Per five port arrangement including
control channel termination*** | ICB | |
| (9) | Public Packet Switching Network (PPSN)
Interface Arrangement Per arrangement | ICB | |

*** An additional Non-Competitive End User Channel Termination (EUCT) charge will apply whenever a spare channel is configured as a leg to the customer designated premises.

(C)
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(D)ISSUE DATE:
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ACCESS SERVICE

19. Rates and Charges – CenturyTel Midwest-Michigan, Inc./CenturyTel of Michigan, Inc. (Cont'd)19.3 Special Access Service (Cont'd)19.3.4 Program Audio Service

Regulations concerning Program Audio Service are set forth in Section 7.6 preceding.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(A) Non-Competitive End User Channel Termination (EUCT)			(C) (C)
Per Termination			
- 200 to 3500 Hz	\$14.15	\$146.69	
- 100 to 5000 Hz	\$15.95	\$146.69	
- 50 to 8000 Hz	\$15.95	\$146.69	
- 50 to 15000 Hz	\$15.95	\$146.69	
(B) Reserved For Future Use			(C)

(D)

(D)

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19. Rates and Charges – CenturyTel Midwest-Michigan, Inc./CenturyTel of Michigan, Inc. (Cont'd)

19.3 Special Access Service (Cont'd)

19.3.5 Reserved For Future Use ⁽¹⁾

(C)

(D)

(D)

⁽¹⁾ Effective September 22, 2017 CenturyLink was granted authority pursuant to Section 63.71 of the Federal Communications Commission's ('Commission') rules 47 C.F.R. § 63.71, and Section 214 of the Communications Act of 1934, as amended, 47 U.S.C. § 214 to discontinue its wholesale interstate Metallic, Telegraph, Narrowband, Wideband Analog, Wideband Digital and Analog Video Services.

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19. Rates and Charges – CenturyTel Midwest-Michigan, Inc./CenturyTel of Michigan, Inc. (Cont'd)19.3 Special Access Service (Cont'd)19.3.6 Digital Data Service

Regulations concerning Digital Data Service are set forth in Section 7.8 preceding.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(A) Non-Competitive End User Channel Termination (EUCT), per termination			(C) (C)
- 2.4 kbps	\$12.40	\$174.26	
- 4.8 kbps	\$12.40	\$174.26	
- 9.6 kbps	\$12.40	\$174.26	
- 19.2 kbps	\$12.40	\$174.26	
- 56.0 kbps	\$12.40	\$174.26	
- 64.0 kbps	\$13.60	\$174.26	

(B) Reserved For Future Use (C)

(D)

(D)

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19. Rates and Charges – CenturyTel Midwest-Michigan, Inc./CenturyTel of Michigan, Inc. (Cont'd)19.3 Special Access Service (Cont'd)19.3.6 Digital Data Service (Cont'd)

	<u>Monthly Rate</u>
(C) Optional Features and Functions	
(1) Bridging Per port	\$2.80
(2) Loop Transfer Arrangement Per four port arrangement ¹	ICB
(3) Public Packet Switching Network Interface Arrangement	
- Per 9.6 kbps arrangement	ICB
- Per 56.0 kbps arrangement	ICB

¹ An additional Non-Competitive End User Channel Termination (EUCT) charge will apply whenever a spare channel is configured as a leg to the customer designated premises.

(C)
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(D)

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19. Rates and Charges – CenturyTel Midwest-Michigan, Inc./CenturyTel of Michigan, Inc. (Cont'd)19.3 Special Access Service (Cont'd)19.3.7 High Capacity Service

Regulations concerning High Capacity Service are set forth in Section 7.9 preceding.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(A) Non-Competitive End User Channel Termination (EUCT), Per Termination			(C) (C)
- DS1 - 1.544 Mbps	\$25.50	\$177.18	
- DS1C - 3.152 Mbps	ICB	ICB	
- DS2 - 6.312 Mbps	ICB	ICB	
- DS3 - 44.736 Mbps	\$353.10	\$491.27	(D)

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19. Rates and Charges – CenturyTel Midwest-Michigan, Inc./CenturyTel of Michigan, Inc. (Cont'd)19.3 Special Access Service (Cont'd)19.3.7 High Capacity Service (Cont'd)

(B) Reserved For Future Use

(C)

(D)

(C) Term Discount
DS1 and DS3 ServicePercentage

36 Months

10%

60 Months

20%

(D)

(D)

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19. Rates and Charges – CenturyTel Midwest-Michigan, Inc./CenturyTel of Michigan, Inc. (Cont'd)

19.3 Special Access Service (Cont'd)

19.3.7 High Capacity Service (Cont'd)

(D)

(D)

(D) Optional Features and Functions

(1) Reserved For Future Use

(C)

(D)

(D)

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19. Rates and Charges – CenturyTel Midwest-Michigan, Inc./CenturyTel of Michigan, Inc. (Cont'd)19.3 Special Access Service (Cont'd)19.3.7 High Capacity Service (Cont'd)

	<u>Monthly Rate</u>	
(D) Optional Features and Functions (Cont'd)		
(2) Automatic Loop Transfer Per arrangement ¹	\$155.55	
(3) Transfer Arrangement Per four port arrangement including control channel termination ²	\$169.53	
(E) Reserved For Future Use		(C)
		(D)
		(D)
(F) Reserved For Future Use		(C)
		(D)

¹ An additional Non-Competitive End User Channel Termination (EUCT) charge will apply whenever the spare line is provided as a leg to the customer designated premises. (C)

² An additional Non-Competitive EUCT charge will apply whenever a spare channel is configured as a leg to the customer designated premises. (C)
(D)
(D)

ACCESS SERVICE

19. Rates and Charges – CenturyTel Midwest-Michigan, Inc./CenturyTel of Michigan, Inc. (Cont'd)

19.3 Special Access Service (Cont'd)

19.3.7 High Capacity Service (Cont'd)

(G) Reserved For Future

(C)
(M)

(M)

(M) Material moved to Page 7-37 and Page 7-38.

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ACCESS SERVICE

19. Rates and Charges – CenturyTel Midwest-Michigan, Inc./CenturyTel of Michigan, Inc. (Cont'd)19.4 Other Services19.4.1 Access Ordering

	Switched Access Charge *	Special Access Non-Competitive End User Channel Termination (EUCT) Charge	Tariff Reference	(C) (C)
(A) <u>Access Order Charge</u>				
Per order	\$40.50	\$81.00	5.4.1	
(B) <u>Service Date Change Charge *</u>				
A Service Date Change Charge will apply, on a per order per occurrence basis, for each service date changed. The Access Order Charge as specified in 17.4.1(A) preceding does not apply. The applicable charge is:				
Service Date Change Charge, per order	\$17.00	\$34.00	5.4.3	
(C) <u>Design Change Charge *</u>				
The Design Change Charge will apply on a per order per occurrence basis, for each order requiring design change. The applicable charge is:				
Design Change Charge, per order	\$17.00	\$34.00	5.4.3	
(D) <u>Miscellaneous Service Order Charge *</u>				
Per Occurrence	\$17.00	\$34.00	5.4.2	
		<u>Charge</u>		
(E) <u>Expedited Order Charge</u>		\$400.00	5.1.2	
-Per Access Order, Per Business Day				

* This flat rated charge was calculated based upon a 50/50 split between originating and terminating. The FCC in their FCC 11-161 ICC Transformation Order in Section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes.

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19. Rates and Charges – CenturyTel Midwest-Michigan, Inc./CenturyTel of Michigan, Inc. (Cont'd)19.4 Other Services (Cont'd)19.4.5 Special Federal Government Access Services

(A)	<u>Voice Grade Secure Communications</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	<u>Termination Charges</u>
	Type I, each T-3 Conditioning,	ICB rates and charges apply		
	Additional Conditioning, per service termination	ICB rates and charges apply		
	Type II, each G-1 Conditioning,	ICB rates and charges apply		
	Type III, each G-2 Conditioning,	ICB rates and charges apply		
	Additional Conditioning, per service termination	ICB rates and charges apply		
	Type IV, each G-3 Conditioning,	ICB rates and charges apply		
	Additional Conditioning, per service termination	ICB rates and charges apply		
(B)	Reserved For Future Use ⁽¹⁾			(C)

(D)

(D)

⁽¹⁾ Effective September 22, 2017 CenturyLink was granted authority pursuant to Section 63.71 of the Federal Communications Commission's ('Commission') rules 47 C.F.R. § 63.71, and Section 214 of the Communications Act of 1934, as amended, 47 U.S.C. § 214 to discontinue its wholesale interstate Metallic, Telegraph, Narrowband, Wideband Analog, Wideband Digital and Analog Video Services.