

ACCESS SERVICE CHECK SHEET

Title Pages 1 and 2 and Pages 1 to 25-126 inclusive of this tariff are effective as of the date shown. Original and revised pages as named below and Supplement Nos. 13, 14, 15, 16, 17, 19, 20, 28, 29, and 31 contain all changes from the original tariff that are in effect on the date hereof.

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1.2	14th*	32	4th*	2-16.1	5th
2	184th*	33	7th	2-17	5th
3	20th*	34	4th	2-18	4th
4	24th*	35	10th	2-19	5th
5	61st*	36	5th	2-20	5th
6	63rd*	37	15th	2-21	5th
7	87th*	37.1	32nd	2-22	4th
8	59th*	37.1.1	26th	2-22.1	4th
8.1	35th*	37.1.2	6th	2-23	3rd
9	94th*	37.2	7th	2-23.1	1st
9.1	36th*	37.3	1st*	2-23.2	1st
9.2	5th	38	3rd	2-24	1st
10	48th*	39	9th*	2-25	2nd
11	34th*	40	12th*	2-26	6th
11.1	1st	41	11th*	2-26.1	2nd
12	12th	42	7th*	2-26.2	2nd
12.1	12th*	43	11th*	2-26.3	2nd
13	46th*	43.1	Original	2-27	4th
13.1	1st	44	4th*	2-27.1	3rd
14	57th	45	2nd	2-28	3rd*
14.1	20th	45.1	1st	2-29	4th
15	49th	45.2	1st	2-29.1	1st
16	37th	46	13th*	2-30	4th
16.1	38th	46.1	1st	2-31	4th
16.2	27th	47	6th*	2-32	3rd*
16.2.1	12th	47.1	3rd	2-33	1st
16.2.2	6th	47.2	2nd	2-34	3rd
16.2.3	10th			2-34.1	1st
16.2.4	8th	1-1	7th*	2-35	1st
16.2.5	7th	1-2	Original*	2-36	1st
16.3	23rd			2-37	4th
16.4	34th*	2-1	1st*	2-38	2nd
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17	1st	2-3	1st	2-40	1st
18	9th	2-4	Original	2-40.1	3rd
19	3rd	2-5	1st	2-40.2	5th
19.1	1st	2-6	Original	2-41	1st
20	2nd	2-7	4th*	2-42	1st
21	5th	2-8	3rd	2-43	1st
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2-55.3	2nd	2-83.6	7th*	2-83.49	2nd*
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2-55.5	5th	2-83.8	1st*		
2-55.6	5th	2-83.9	1st*		
2-55.7	6th	2-83.10	1st*		
2-55.8	5th	2-83.11	1st*		
2-55.9	7th*	2-83.12	Original		
2-56	2nd	2-83.13	2nd		
2-57	3rd	2-83.14	5th		
2-58	Original	2-83.15	Original		
2-59	Original	2-83.16	Original		
2-60	Original	2-83.17	Original		
2-61	1st	2-83.18	3rd		
2-62	2nd	2-83.19	4th*		
2-63	1st	2-83.20	4th*		
2-64	1st	2-83.21	4th*		
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2-99	4th	2-132	2nd*		
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3-4	1st	4-20	16th	5-9	1st
3-5	Original	4-20.1	3rd	5-10	Original
3-6	Original	4-21	8th	5-11	1st
3-7	Original	4-22	7th	5-12	4th*
3-8	Original	4-23	16th	5-12.1	3rd
3-9	Original	4-23.1	3rd	5-13	Original
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3-11	Original	4-25	7th	5-15	1st*
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3-14	1st	4-27	8th	5-18	3rd*
3-15	1st	4-28	7th	5-18.1	Original
3-16	1st	4-29	16th	5-18.2	Original
3-17	1st	4-29.1	3rd	5-19	3rd*
3-18	1st	4-30	8th	5-20	2nd*
3-19	1st	4-31	7th	5-21	2nd*
3-20	1st	4-32	16th	5-22	Original
3-21	1st	4-32.1	3rd	5-23	4th*
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4-4	1st	4-36	1st	5-28	5th*
4-5	1st	4-37	2nd	5-28.1	Original
4-6	1st	4-38	1st	5-29	4th*
4-7	3rd	4-39	Original	5-30	14th*
4-8	2nd	4-40	1st	5-30.1	8th*
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6-4	3rd	6-49	1st	6-94	1st`
6-5	2nd	6-49.1	Original	6-95	1st
6-6	1st	6-50	2nd	6-96	1st
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6-10	1st	6-54	1st	6-100	Original
6-11	1st*	6-55	1st	6-101	Original
6-12	Original	6-56	1st	6-102	Original
6-13	Original	6-57	Original	6-103	1st
6-14	2nd	6-58	1st	6-104	1st
6-15	1st	6-59	Original	6-105	2nd
6-16	1st	6-60	Original	6-106	Original
6-17	Original	6-61	Original	6-107	Original
6-18	Original	6-62	1st	6-108	Original
6-19	Original	6-63	1st	6-109	Original
6-20	Original	6-64	1st	6-110	Original
6-21	1st	6-65	Original	6-111	1st
6-22	1st	6-66	Original	6-112	Original
6-23	1st	6-67	Original	6-113	Original
6-24	Original	6-68	1st	6-114	Original
6-25	Original	6-69	1st	6-115	Original
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6-138.3	1st	6-180	1st	6-215	1st
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6-147	Original	6-189	Original	6-225	2nd*
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6-234	Original	6-279	2nd*	6-306.1	2nd
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6-237	2nd	6-282	2nd*	6-309	3rd
6-237.1	Original	6-283	1st*	6-310	3rd
6-238	1st	6-284	1st*	6-311	3rd
6-239	2nd*	6-285	1st*	6-312	2nd
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6-241	4th	6-287	1st*	6-312.2	1st
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6-243	2nd	6-289	Original	6-312.4	1st
6-244	1st	6-290	1st	6-312.5	1st
6-245	2nd	6-290.1	Original	6-312.6	1st
6-246	2nd	6-291	1st	6-312.7	1st
6-247	2nd	6-292	1st	6-312.8	2nd
6-248	2nd	6-293	2nd*	6-312.9	1st
6-249	2nd	6-294	1st	6-312.10	1st
6-250	1st	6-295	2nd*	6-312.11	1st
6-251	2nd	6-296	2nd	6-312.12	1st
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6-317.2	2nd	6-355	2nd	6-375	Original
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6-320.2	2nd	6-359	1st	6-381	1st
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6-322	1st	6-362	1st*	6-384	4th
6-323	1st	6-363	1st*	6-385	4th
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6-324.2	Original	6-363.1.2	2nd	6-385.3	2nd
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6-327	1st	6-363.2.1	1st	6-385.7	2nd
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EXPLANATION OF SYMBOLS

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

EXPLANATION OF ABBREVIATIONS

ac	-	Alternating current
ACNA	-	Access Customer Name Abbreviation
AML	-	Actual Measured Loss
ANI	-	Automatic Number Identification
ANSI	-	American National Standard Institute
ARC	-	Access Recovery Charge
AT&T-C	-	AT&T Communications
BAN	-	Billing Account Number
BD	-	Business Day
BHMC	-	Busy Hour Minutes of Capacity
BSA	-	Basic Serving Arrangement
BSE	-	Basic Service Element
BVS	-	Billing Validation Service
CAROT	-	Centralized Automatic Reporting on Trunks
CCS	-	Common Channel Signaling
CCSAS	-	Common Channel Signaling Access Service
CFA	-	Connecting Facility Assignment
CEC	-	Cellular Exchange Carrier
CI	-	Channel Interface
CLO	-	Control Link Oscillator
CN	-	Charge Number
CO	-	Central Office
COCTS	-	Central Office Centrex
Cont'd	-	Continued
CPE	-	Customer Provided Equipment
CSM	-	Customer Service Management Optional Feature
CPN	-	Calling Party Number
CSP	-	Carrier Selection Parameter
Cts	-	Centrex
DA	-	Directory Assistance
dB	-	decibel
dBrnC	-	Decibel Reference Noise C-Message Weighting
dBrnC0	-	Decibel Reference Noise C-Message Weighted 0
dBv	-	Decibel(s) Relative to 1 volt (Reference)
dBv1	-	Decibel(s) Relating to 1 volt (Reference)
dc	-	direct current
DID	-	Direct Inward Dialing
DNAL	-	Dedicated Network Access Link
DSR	-	Verizon Dedicated SONET Ring

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EXPLANATION OF ABBREVIATIONS

EDD	-	Envelope Delay Distortion
ELEPL	-	Equal Level Echo Path Loss
EML	-	Expected Measured Loss
EPL	-	Echo Path Loss
ERL	-	Echo Return Loss
ESCON	-	Enterprise Systems CONnection
ESS	-	Electronic Switching System
ESSX	-	Electronic Switching System Exchange
f	-	frequency
F.C.C.	-	Federal Communications Commission
FICON	-	Fibre CONnection
FID	-	Field Identifier
FX	-	Foreign Exchange
GigE	-	Gigabit Ethernet
HC	-	High Capacity
Hz	-	Hertz
IC	-	Interstate Customer
ICB	-	Individual Case Basis
ICL	-	Inserted Connection Loss
IOF	-	Inter-Office Facility
IP	-	Interconnection Point
kbps	-	kilobits per second
kHz	-	kilohertz
LAN	-	Local Area Network
LATA	-	Local Access and Transport Area
LCC	-	Line Cost Charge
LES	-	LAN Extension Service
LIDB	-	Line Information Data Base
Ma	-	milliamperes
Mbps	-	Megabits per second
MHz	-	Megahertz
MMUC	-	Minimum Monthly Usage Charge
MRC	-	Monthly Recurring Charge
MRCCs	-	Maritime Radio Common Carriers
MSA	-	Metropolitan Statistical Area
MTS	-	Message Telecommunications Service(s)
MTSO	-	Mobile Telephone Switching Office
NDP	-	National Discount Plan
N-MSA	-	Non-qualifying MSA
NPA	-	Numbering Plan Area
NRC	-	Nonrecurring Charge
NTS	-	Non-Traffic Sensitive
NXX	-	Three Digit Central Office Code
OBSC	-	Out of Band Signaling Connection
OTPL	-	Zero Transmission Level Point

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EXPLANATION OF ABBREVIATIONS

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

REFERENCE TO OTHER TARIFFS

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

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

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

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REFERENCE TO OTHER PUBLICATIONS

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

Technical Reference:

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

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

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REFERENCE TO OTHER PUBLICATIONS (Cont'd)Technical Reference: (Cont'd)

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

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

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REFERENCE TO OTHER PUBLICATIONS (Cont'd)

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

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

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

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

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PUB AS No. 1, Issue II
Issued: May 1984

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

ITU-T G.707/Y.1322

Issued: January 2007

ITU-T G.959.1

Issued: December 2003

ITU-T G.692

Issued: October 1998 and Amendment 1 dated January 2005

ITU-T H.320 series Standards for Audio Visual Communications over Narrowband Digital Networks

Issued: March 2004

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

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

IEEE C95.1-2005

Issued: 2005

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

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

Issued: March 2007

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REFERENCE TO OTHER PUBLICATIONS (Cont'd)

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

(C)

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(D)

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ACCESS SERVICE

1. Application of Tariff

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

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

- 1.2 The provision of such services by the Telephone Company as set forth in this tariff does not constitute a joint undertaking with the customer for the furnishing of any service.
- 1.3 The operating territory of the Telephone Company is the entire state of Delaware and the locations set forth in Section 14 following for the states of Maryland, New Jersey, Pennsylvania, Virginia, and the District of Columbia. (T)
- 1.4 References in this tariff to local general services tariffs constitute the referencing of any state jurisdiction tariff approved by a state regulatory commission, or its equivalent (e.g., product guide), for any of the issuing carriers mentioned in 1.1 above. (C)
(C)

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

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ACCESS SERVICE

1. Application of Tariff (Cont'd)

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

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

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(M)

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

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ACCESS SERVICE

2. General Regulations

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

(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 services only to the extent necessary to detect and/or clear troubles.
- (D) Services are provided 24 hours daily, seven days per week, except as set forth in other applicable sections of this tariff.
- (E) The Telephone Company does not warrant that its facilities and services meet standards other than those set forth in this tariff.

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ACCESS SERVICE

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

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

2.1.8 Refusal and Discontinuance of Service

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

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ACCESS SERVICE

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

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

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

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

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

(E) Reserved.

(C)

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ACCESS SERVICE

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

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

2.1.10 Notification of Service-Affecting Activities

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

2.1.11 Coordination with Respect to Network Contingencies

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

2.1.12 Provision and Ownership of Telephone Numbers

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

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

(B) (Cont'd)

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

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

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

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ACCESS SERVICE

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

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

2.4.2 Minimum Periods

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

(D)
|
(D)

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

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

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ACCESS SERVICE

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

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

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

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

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

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

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

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

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

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

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ACCESS SERVICE

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

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

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

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

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

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

(D)

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

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

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

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2. General Regulations (Cont'd)2.4 Payment Arrangements (Cont'd)2.4.7 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (Cont'd)(C) Multiple Bill Arrangement for Services other than
Lineside BSA or FGA (Cont'd)

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

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

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

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2. General Regulations (Cont'd)

2.5 Connections

2.5.1 General

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

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Individual Case Basis

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

Inserted Connection Loss

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

(D)

(D)

Interexchange Carrier (IC) or Interexchange Common Carrier

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

Intermodulation Distortion

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

Interstate Communications

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

Interstate IntraLATA

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

Intrastate Communications

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

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2. General Regulations (Cont'd)2.6 Definitions (Cont'd)N-1 Carrier

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

Native Ethernet

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

Network Address

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

Network Control Signaling

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

Network Interface Device

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

Non-Competitive County

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

(D)

Non-Competitive End User Channel Termination

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

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(N)

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

2.7.1.1 Credit Allowance for Service Interruptions

(A) General

A service is interrupted when it becomes unusable to the customer because of a failure of a facility component used to furnish service under this tariff. An interruption period starts when the Telephone Company personnel are notified by the customer that the service is inoperative.

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

(N)

(N)

(B) When a Credit Allowance Applies

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

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

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2.7.1.1 Credit Allowance for Service Interruptions (Cont'd)

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

(1) (Cont'd)

(a) Switched Access and Directory Assistance

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

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

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

(D)

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

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2.7.1.1 Credit Allowance for Service Interruptions (Cont'd)

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

(1) (Cont'd)

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

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

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

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2.7.1.1 Credit Allowance for Service Interruptions (Cont'd)

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

(1) (Cont'd)

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

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

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

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

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

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

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2.7.1.1 Credit Allowance for Service Interruptions (Cont'd)

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

(1) (Cont'd)

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

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

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

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

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

(5) Reserved.

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

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2.7.1.1 Credit Allowance for Service Interruptions (Cont'd)

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

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

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

(D)

(D)

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

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2.7.1.1 Credit Allowance for Service Interruptions

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

(7) (Cont'd)

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

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

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2.7 Service Level Agreements (Cont'd)

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

2.7.1.1 Credit Allowance for Service Interruptions

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

(8) Reserved

(C)

(D)

(D)

(9) Reserved

(C)

(D)

(D)

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2.7.1.1 Credit Allowance for Service Interruptions (Cont'd)

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

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

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

(D)

(D)

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

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2.7 Service Level Agreements (Cont'd)

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2.7 Service Level Agreements (Cont'd)

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

2.7.1.1 Credit Allowance for Service Interruptions (Cont'd)

(D)

(D)

(C) When A Credit Allowance Does Not Apply

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

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

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

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2. General Regulations (Cont'd)2.8 Sale or Transfer of a Verizon Operating Telephone Company's Assets
and/or Stock to an Unaffiliated Third Party (Cont'd)2.8.2 Undertaking of the Telephone Company Following a Transfer (Cont'd)

(A) (Cont'd)

(D)

(D)

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

In the event of a Transfer, the following applies.

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

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ACCESS SERVICE

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

(T)

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

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

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

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

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

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ACCESS SERVICE

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

(T)

(A) Effect on NDP Annual True-Up

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

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

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

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

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

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

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ACCESS SERVICE

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

(D) Terminating Location Requirements

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

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

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

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

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ACCESS SERVICE

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

(D) Terminating Locations (Cont'd)

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

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

(D)

(D)

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

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

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ACCESS SERVICE

2. General Regulations (Cont'd)2.10 Customer Notices

When the Telephone Company is required to notify a customer under this tariff, the Telephone Company will provide notice by appropriate method that the Telephone Company, in its sole discretion, determines to be appropriate for the circumstances, including, by way of example: (i) posting the notice on a Telephone Company website, (ii) by bill insert or bill message, (iii) by letter or postcard via U.S. Postal Service, or by overnight delivery, to the customer's billing address or other address available in the Telephone Company's records, (iv) by a call to the customer's billed telephone number, (v) by an email to a customer email address specified by the customer or otherwise available in the Telephone Company's records, or (vi) electronic communication via a Telephone Company ordering system interface. Although the Telephone Company under certain circumstances may provide notice of a particular subject matter via more than one of the foregoing methods, such multiple notices are not required at any time, and a single notice via a single method is sufficient. If applicable law requires a particular method of notice, the Telephone Company shall use the method required by applicable law. All notices provided in accordance with this section shall be effective and binding.

(C)(x)

(C)(x)

(x) Certain material on this page formerly appeared on 3rd Revised Page 2-7, 4th Revised Page 2-9, and 2nd Revised Page 2-10.

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ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service

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

(N)
|
(N)

5.1 General

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

(T)
(C)

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

(C)
(C)

5.1.1 Ordering Conditions

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

The customer shall provide all information necessary for the Telephone Company to provide and bill for the requested service. In addition to the order information required in 5.2 following, the customer must also provide:

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

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

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

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

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ACCESS SERVICE

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

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

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

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

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

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

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ACCESS SERVICE

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

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

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

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ACCESS SERVICE

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

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

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

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ACCESS SERVICE

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

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

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

5.2.1 Access Order Service Date Intervals

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

- Standard Interval
- Negotiated Interval

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ACCESS SERVICE

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

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

(A) Standard Interval

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

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

(B) Negotiated Interval

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

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

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ACCESS SERVICE

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

5.2 Access Order (Cont'd)

5.2.1 Access Order Service Date Intervals (Cont'd)

(B) Negotiated Interval (Cont'd)

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

(D)

(D)

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

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ACCESS SERVICE

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

5.2 Access Order (Cont'd)

5.2.2 Access Order Modifications

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

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

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

(A) Service Date Change Charge

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

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

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

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ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)5.2 Access Order (Cont'd)5.2.2 Access Order Modifications (Cont'd)(A) Service Date Change Charge (Cont'd)

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

- (4) Except as otherwise specified in (A)(1) preceding, a Service Date Change Charge will apply, on a per order per occurrence basis, for each Service Date changed.

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

The applicable charge is:

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

(B) Partial Cancellation Charge

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

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ACCESS SERVICE

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

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

(C)
(C)

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

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ACCESS SERVICE

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

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

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

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

(D) Special Handling Charge

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

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

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

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ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)5.2 Access Order (Cont'd)5.2.2 Access Order Modifications (Cont'd)(D) Special Handling Charge (Cont'd)

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

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

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

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

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ACCESS SERVICE

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

(B) (Cont'd)

(3) (Cont'd)

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

(D)

(D)

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

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

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

5.2 Access Order (Cont'd)

5.2.3 Cancellation of an Access Order (Cont'd)

(B) (Cont'd)

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

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

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

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ACCESS SERVICE

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

(B) (Cont'd)

(4) (Cont'd)

	<u>APP</u>	<u>SID</u>	<u>DLRD</u>	<u>RID</u>	<u>WOT</u>	<u>PTD</u>
FGA ¹	\$0	\$75.00	\$187.50	\$375.00	\$562.50	\$750.00
FGB ²	\$0	\$75.00	\$187.50	\$375.00	\$562.50	\$750.00
FGD ⁴	\$0	\$75.00	\$187.50	\$375.00	\$562.50	\$750.00
CCSAS	\$0	\$75.00	\$187.50	\$375.00	\$562.50	\$750.00

(D)

OTS	\$0	\$75.00	\$187.50	\$375.00	\$562.50	\$750.00
R/T	\$0	\$70.00	\$175.00	\$262.50	\$315.00	\$350.00
S56	\$0	\$75.00	\$187.50	\$375.00	\$562.50	\$750.00
DA	\$0	\$75.00	\$187.50	\$375.00	\$562.50	\$750.00
MT DNAL	\$0	\$20.00	\$50.00	\$100.00	\$150.00	\$200.00
VG ⁶	\$0	\$75.00	\$187.50	\$375.00	\$562.50	\$750.00
WAC	\$0	\$70.00	\$175.00	\$350.00	\$525.00	\$700.00

(D)

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(D)

(T)

(D)

(D)

(D)

(D)

(D)

1 and Lineside BSA

2 and Trunkside BSA - 950 Option

(D)

4 and Trunkside BSA-101XXXX Option

6 and Voice Grade DNAL

(D)

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ACCESS SERVICE

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

(B) (Cont'd)

(4) (Cont'd)

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

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ACCESS SERVICE

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

(B) (Cont'd)

(4) (Cont'd)

	<u>APP</u>	<u>SID</u>	<u>DLRD</u>	<u>RID</u>	<u>WOT</u>	<u>PTD</u>	
Special Access IEF ¹ (per STS1)							(T)
\$0	\$200.00	\$500.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	
Switched Access IEF (per STS1)							
\$0	\$200.00	\$500.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	

(D)

(D)

¹ Price Bands 4, 5, and 6

(D)

(T)

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ACCESS SERVICE

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

(D)

(D)

(D)

(D)

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ACCESS SERVICE

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

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

5.2.4 Selection of Facilities For Access Orders

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

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ACCESS SERVICE

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

- (A) Except as set forth in (B) following, 7.2.5 (G),
7.2.11(D), 7.2.14(C), 7.2.15(C), 7.2.16, 7.4.13, 7.4.17,
8.2(C)(1), 9.4(A), and 16.5, 16.6, 16.7, 25.1.10 and
25.3.8 following, the minimum period for which Access
Service is provided and for which charges are
applicable, is one month. (D)
- (B) Reserved. (C)
- (C) Service Rearrangements as set forth in 6.8.1(C)(2)
following for Switched Access Services may be made
without a change in minimum period requirements. (D)
- (D) Changes other than those identified in 6.8.1(C)(2) or
7.4.1(C)(3) following will be treated as a
discontinuance of the existing service and an
installation of a new service. All associated
nonrecurring charges will apply for the new service. A
new minimum period will be established for the new
service. The customer will also remain responsible for
all outstanding minimum period obligations associated
with the disconnected service.

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

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

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ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)5.2 Access Order (Cont'd)5.2.6 Minimum Period Charges

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

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

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

(C)

(D)

(D)

(D)

(D)

(D)

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

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ACCESS SERVICE

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

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

(2) Direct Trunked Transport Rate Category

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

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

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ACCESS SERVICE

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

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

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

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

(a) Voice Grade Facility

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

Note: See Section 19 following for further information.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.5 Switched Transport Facilities (Cont'd)

(d) IntelliLight Entrance Facilities (IEF)

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

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(D)

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ACCESS SERVICE

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

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

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

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

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

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ACCESS SERVICE

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

(D) Application of Rates (Cont'd)

(5) (Cont'd)

(a) Entrance Facility

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

(b) Direct Trunked Transport

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

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ACCESS SERVICE

6. Switched Access Service (Cont'd)6.8 Rate Regulations (Cont'd)6.8.2 Minimum Periods

- (A) The minimum service period for Switched Transport entrance facilities and direct trunked transport are as follows:
- DS1: 2 months
DS3: 12 months
IEF: 12 months
- (D)
(D)

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

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ACCESS SERVICE

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

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

6.8.11 Message Unit Credit

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

6.8.12 Local Information Delivery Services

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

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ACCESS SERVICE

6. Switched Access Service (Cont'd)6.8 Rate Regulations (Cont'd)6.8.16 Reserved6.8.17 Shared Use High Capacity Services

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

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(D)

(D)

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

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

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

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

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

(1) (Cont'd)

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

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

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ACCESS SERVICE

6. Switched Access Service (Cont'd)6.8 Rate Regulations (Cont'd)6.8.24 Reserved6.8.25 IntelliLight Services

(A) General

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

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

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

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

Technical specifications are delineated in the following Technical References:

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

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

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

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ACCESS SERVICE

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

(B) Definitions (Cont'd)

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

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

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

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

(D)

(D)

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

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

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6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.25 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(2) Reserved

(C)

(D)

(D)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.25 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(3) Reserved

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6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.25 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

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6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.25 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

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6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.25 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

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6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.25 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.25 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(4) Reserved for Future Use

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ACCESS SERVICE

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

(C) Service Descriptions (Cont'd)

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

(b) Service Description (Cont'd)

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

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

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

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

(C) Service Descriptions (Cont'd)

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

(c) Optional Features and Functions

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

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

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

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.9 Rates and Charges (Cont'd)

6.9.1 Switched Transport (Cont'd)

6.9.1.5 Reserved for Future Use

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.9 Rates and Charges (Cont'd)

6.9.1 Switched Transport (Cont'd)

6.9.1.6 Reserved for Future Use

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