

## ACCESS SERVICE

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CONCURRING CARRIERS

NO CONCURRING CARRIERS

CONNECTING CARRIERS

NO CONNECTING CARRIERS

OTHER PARTICIPATING CARRIERS

All Exchange Telephone Companies that have Access Tariffs on file under Part 69 of the Federal Communications Rules and Regulations with which FRONTIER TELEPHONE COMPANIES jointly provide Switched and Special Access Service.

REGISTERED SERVICE MARKS

NONE

REGISTERED TRADEMARKS

NONE

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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	
AP	-	Program Audio	
ARC	-	Access Recovery Charge	(N)
AT&T-C	-	AT&T Communications	
ATSC	-	Advanced Television Systems Committee	
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	

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## EXPLANATION OF ABBREVIATIONS (Cont'd)

DSR	-	Dedicated SONET Ring
DTM	-	Direct TL1 Monitoring Optional Feature
DVTS	-	Direct Video Transport Service
DWDM	-	Dense Wave Division Multiplexing
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
Hi-Def	-	High Definition
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
MT	-	Metallic
MTS	-	Message Telecommunications Service(s)
MTSO	-	Mobile Telephone Switching Office
N-MSA	-	Non-qualifying MSA
NPA	-	Numbering Plan Area
NRC	-	Nonrecurring Charge
NSP	-	Non-Standard Premises
NTS	-	Non-Traffic Sensitive
NXX	-	Three Digit Central Office Code

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## EXPLANATION OF ABBREVIATIONS (Cont'd)

OBSC	-	Out of Band Signaling Connection
OCF	-	Optical Channel Facility
OCF-G	-	Optical Channel Facility - Gigabit
OHF	-	Optical Hubbing Facility
OHI	-	Optical Hubbing Interface
OHS	-	Optical Hubbing Service
OTPL	-	Zero Transmission Level Point
OTS	-	Operator Transfer Service
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
SCVS	-	Serial Component Video Service
SLA	-	Service Level Agreement
SLC	-	Subscriber Line Charge
SMPTE	-	Society of Motion Picture and Television Engineers
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)
TG	-	Telegraph Grade
TL1	-	Transaction Language 1
TLP	-	Transmission Level Point
TSPS	-	Traffic Service Position System
TSP	-	Telecommunications Service Priority
TV	-	Television
TVOC	-	Telephone Company Video Operation Center
UPS	-	Uninterrupted Power Supply
USOC	-	Uniform Service Order Code
VG	-	Voice Grade
V & H	-	Vertical & Horizontal
WA	-	Wideband Analog
WATS	-	Wide Area Telecommunications Service(s)
WCN	-	With Calling Name
WD	-	Wideband Data
WOCN	-	Without Calling Name



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**ACCESS SERVICE**

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**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, 80 South Jefferson Road, Whippany, NJ 07981-1009 or in electronic format on the Internet at [www.neca.org](http://www.neca.org).

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

**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](http://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 3	Issued: March 2006
GR-253-CORE, Issue 4	Issued: December 2005
GR-334-CORE, Issue 1	Issued: July 1994
GR-337-CORE, Issue 1	Issued: December 1995
GR-338-CORE, Issue 1	Issued: December 1995
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 3	Issued: September 2004
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

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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
PUB 41004	Issued: October 1973
PUB 62310	Issued: September 1983
SR-3330, Issue 2	Issued: April 1997
SR-4274, Issue 1	Issued: April 1997
SR-INS-001532, Issue 1	Issued: July 1991
Video Distribution Technology	
SR-NPL-001434, Issue 1	Issued: January 1990
Cable TV Signal Distribution	
SR-NWT-001851, Issue 1	Issued: December 1990
SR-STC-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 1	Issued: April 1986
TR-NPL-000336, Issue 1	Issued: October 1987
TR-NPL-000339	Issued: October 1987
TR-NPL-000340	Issued: October 1987
TR-NWT-000335, Issue 3	Issued: May 1993
TR-NWT-000341, Issue 2	Issued: February 1993
TR-NWT-001112, Issue 1	Issued: June 1993
TR-TSV-000772, Issue 1	Issued: May 1991
TR-TSV-000773, Issue 1	Issued: June 1991
TR-TSV-001239, Issue 1	Issued: December 1993
TR-TSV-061370, Issue 1	Issued: May 1998
TR-TSY-000366, Issue 2	Issued: March 1988

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REFERENCE TO OTHER PUBLICATIONS (Cont'd)

The following technical publications are referenced in this tariff and may be obtained from Telcordia Routing Administration, 8 Corporate Place PYA 3N-141, Piscataway, NJ 08854-4156, 1(866) 672-4156.

Technical Reference:

The Local Exchange Routing Guide (LERG), Issued: August 1, 2009, and as issued from time to time

The following publication, referenced in this tariff, may be obtained from ATM Forum, 2570 West El Camino Real, Suite 304, Mountain View CA 94040 or on the Internet at [www.atmforum.com](http://www.atmforum.com).

ATM Forum, ATM User Network Interface Specifications, Version 3.0  
af-uni-0010.001  
Issued: September 1993

ATM Forum, ATM User Network Interface Specifications, Version 3.1  
af-uni-0010.002  
Issued: September 1994

ATM Forum, Interim Inter-switch Signaling Protocol, Version 1.0  
af-pnni-0026.000  
Issued: December 1994

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

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REFERENCE TO OTHER PUBLICATIONS (Cont'd)

The following technical publication is referenced in this tariff and may be obtained from the National Exchange Carrier Association, Inc., 80 S. Jefferson Road, Whippany, NJ 07981-1009 or on the Internet at [www.neca.org](http://www.neca.org).

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](http://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 Networks	Issued: March 2004
	Narrowband Digital

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REFERENCE TO OTHER PUBLICATIONS (Cont'd)

The following publications are referenced in this tariff and may be obtained from Alliance for Telecommunications Industry Solutions (ATIS), 1200 G Street, NW, Suite 500, Washington, DC 20005 or on the Internet at [www.atis.org/obf](http://www.atis.org/obf).

Multiple Exchange Carrier Access Billing Guidelines (MECAB)  
ATIS/OBF-MECAB 009, Issue 9                      Issued: January 2007

Multiple Exchange Carrier Ordering and Design Guidelines (MECOD)  
ATIS-0404120-0007, Issue 7                      Issued: April 2009

The following publication, referenced in this tariff, may be obtained from National Fire Protection Association, 1 Battery March Park, Quincy, MA 02169-7471, or in electronic format on the Internet at [www.nfpa.org](http://www.nfpa.org).

National Electrical Code, NFPA 70 2008 Edition, Issued: August 2008

The following publication is referenced in this tariff and may be obtained from the United States Department of Labor, Publication Distribution, 200 Constitution Avenue, N.W., Washington, D.C. 20210 or on the Internet at [www.osha.gov](http://www.osha.gov).

Occupational Safety and Health Act, Issued: December 1970 and as amended through January 2004

The following publications are referenced in this tariff and may be obtained from Collocated Interconnection Major Project Team Coordinator:

- 1500 MacCorkle Avenue Rm 222, Charleston, WV 25396

Information Pub. IP 72202, Issue 3	Issued: December 2008
Information Pub. IP 72013, Issue 6	Issued: April 2008
Cable Splicing Handbook	Issued: December 1991
Cable Placing Handbook	Issued: December 1991
Cable Maintenance Handbook	Issued: December 1991
General Information Tools & Safety Manual	Issued: December 1992
Building Owners and Managers Association International Standards (BOMA)	Issued: December 1992

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REFERENCE TO OTHER PUBLICATIONS (Cont'd)

The following publications are referenced in this tariff and may be obtained from the American National Standards Institute (ANSI), 25 West 43rd Street, 4th Floor, New York, New York 10036, or on the Internet at [www.ansi.org](http://www.ansi.org).

ANSI T1.101	Issued: 1994
ANSI T1.102-1993 (R2005)	Issued: 2005
ANSI T1.102.01-1996 (R2001)	Issued: 2001
ANSI T1.105.01-2000 (R2005)	Issued: 2005
ANSI T1.107-2002 (R2006)	Issued: 2006
ANSI T1.403-1999 (R2007)	Issued: 2007
ANSI T1.404-2002 (R2006)	Issued: 2006
ANSI T1.606-1990	Issued: 1990
ANSI T1.606, Addendum 1	Issued: 1991
ANSI T1.606a-1992	Issued: 1992
ANSI T1.606b-1993	Issued: 1993
ATIS T1.617-1991	Issued: 1992
ANSI INCITS 139-1987 (R2002)	Issued: 2002
ANSI INCITS 148-1988 (R2004)	Issued: 2004
ANSI INCITS 166-1989 (R2005)	Issued: 2005
ANSI INCITS 184-1993 (R2003)	Issued: 2003
ANSI INCITS 229-1994 (R2004)	Issued: 2004
ANSI INCITS 296-1997 (R2007)	Issued: 2007
ANSI INCITS 303-1998 (R2003)	Issued: 2003

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](http://www.ieee.org).

IEEE C95.1-2005	Issued: 2005
IEEE 802.3-2005/Cor2/D2.0-2007	Issued: 2007
IEEE 802.3u-1995	Issued: 1995
IEEE 802.3z-1998	Issued: 1998
IEEE 802.1Q-2005/Cor1-2008	Issued: 2008
IEEE 802.3ae-2002	Issued: 2002

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**REFERENCE TO OTHER PUBLICATIONS (Cont'd)**

The following publications are referenced in this tariff and may be obtained from the Society of Motion Picture and Television Engineers (SMPTE), 3 Barker Avenue, 5<sup>th</sup> Floor, White Plains, NY 10601, Telephone No. 914 761-1100, or on the Internet at [www.smpte.org](http://www.smpte.org).

SMPTE 0259M-2008	Issued: 2008
SMPTE 0292M-2001	Issued: 2001
SMPTE 0310M-2004	Issued: 2004

The following publication, referenced in this tariff, may be obtained from the Frontier Carrier Services, 180 South Clinton Avenue, Rochester, NY 14646.

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

The following publication is referenced in this tariff and may be obtained from the Internet Engineering Task Force (IETF) at IETF Secretariat, c/o Association Management Solutions, LLC (AMS), 48377 Fremont Blvd., Suite 117, Fremont, California 94538, or on the Internet at [www.ietf.org](http://www.ietf.org).

STD 0001: Internet Official Protocol Standards, J Postel, Editor, Issued: May 2008.  
RFC 2138, Remote Authentication Dial-In User Service (RADIUS); C Rigney, A. Rubens, W. Simpson, S. Willens, Issued: April 1997.

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REFERENCE TO OTHER PUBLICATIONS (Cont'd)

The following publications referenced in this tariff may be obtained from IBM North America, 590 Madison Avenue, New York, NY 10022; 1-800-426-4968 or on the Internet at [www.ibm.com/us](http://www.ibm.com/us). Note: ESCON® is a registered trademark of the International Business Machines (IBM) Corporation.

Coupling Facility Channel Physical Layer (Sixth Edition)	
SA23-0395-05	Issued: July 2008
Enterprise Systems Architecture/390 ESCON I/O Interface, Physical Layer (Seventh Edition)	
SA23-0394-06	Issued: July 2008
ESA/390 ESCON I/O Interface	
SA22-7202-02	Issued: June 2002
ESCON® Introduction	
GA23-0383-01	Issued: July 2002
S/390 Time Management and IBM 9037 Sysplex Timer	
SG24-2070-00	Issued: May 1999
Planning Fiber Optic Channel Links (Thirteenth Edition)	
GA23-0367-12	Issued: July 2009
OS/390 Parallel Sysplex Configuration Volume 2: Cookbook	
SG24-5638-00	Issued: August 2000

The following publications, referenced in this tariff, may be obtained from the Advanced Television Systems Committee (ATSC), 1750 K Street NW, Suite 1200, Washington, DC 20006 or on the Internet at [www.atsc.org](http://www.atsc.org).

ATSC Standard A/53, Digital Television Standard	
Issued: January 2007	
ATSC Document A/54A (includes Corrigendum No. 1),	
Guide to the Use of ATSC Digital Television Standard	
Issued: December 2003, Corrigendum No. 1	Issued December 2006

The Collocation Space Summary, which is referenced in this tariff, may be obtained from the Telephone Company's Internet website at <http://carrier.frontiercorp.com/crtf/carrier/>.

The following publication referenced in this tariff may be obtained from Nortel Networks, Inc., 4001 East Chapel Hill, Research Triangle Park, Raleigh, NC 27709, (919)991-8679 or on the Internet at [www.nortel.com](http://www.nortel.com).

Nortel Document No. Q214-1	
Issued: September 2000	