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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 Ziply Fiber Companies jointly provide Switched and Special Access Service.

REGISTERED SERVICE MARKS

REGISTERED TRADEMARKS

NONE

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 |
| AT&T-C | - | AT&T Communications |
| ATSC | - | Advanced Television Systems Committee |

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EXPLANATION OF ABBREVIATIONS (Cont'd)

BAN – Billing Account Number
BHMC - Busy Hour Minutes of Capacity
BP - Billing Percentage
BSA - Basic Serving Arrangement
BSE - Basic Service Element
CAC - Carrier Access Code
CCS - Centum Call-Seconds
CCSA - Common Control Switching Arrangement(s)
CDL - Customer Designated Location
CDM - Call Days in Month
CFA – Connecting Facility Assignment
CIC - Carrier Identification Code
CIP - Carrier Identification Parameter
CLO – Control Link Oscillator
CMF – Chargeable Minimum Factor
CNM – Customer Network Management Optional Feature
COMPS - Central Office Maintenance Planning System
Cont'd – Continued
CSM – Customer Service Management Optional Feature
CST – Cooperative Scheduled Testing
CSU - Circuit Switching Unit
C-TISC - Conversion Time-In-Service Credit
DA - Digital Data Access
DAM - Distance in Airline Miles
dB – Decibel
dBm - Decibels below one milliwatt
dBmO – Transmission Level Referred to the Zero Transmission Level Point
dBnCO - Decibel Reference Noise C-Message Weighted O
dBv - Decibels Referred to One Volt
dc - direct current
DDS - Digital Data Service
DTM – Direct TL1 Monitoring Optional Feature
DTMF - Dual Tone Multifrequency
DX – Duplex
DWDM – Dense Wave Division Multiplexing

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EXPLANATION OF ABBREVIATIONS (Cont'd)

ECCKT - Exchange Carrier Circuit ID
ELEPL - Equal Level Echo Path Loss
E&M - The Receive and Transmit Leads of a Signaling System
EML - Expected Measured Loss
EPL - Echo Path Loss
ERL - Echo Return Loss
ESCON – Enterprise Systems CONnection
f - frequency
FCC - Federal Communications Commission
FCO - Foreign Central Office Service
FIA - Facilities for Interstate Access
FICON – Fibre CONnection
FNPA - Foreign Numbering Plan Area
GTOC - Operating Telephone Companies of GTE Corporation
GSEC - General Services and Equipment Code
HC - High Capacity
HNPA - Home Numbering Plan Area
Hz - Hertz
IA - Interface Arrangement
IC - Interexchange Carrier
ICB - Individual Case Basis
IDDD - International Direct Distance Dialing
ILP - Initial Liability Period
DSOTS – Dedicated Sonet Optical Transport Service
IP - Interconnection Point
ISC – InterSystem Channel
kbps - kilobits per second
kHz - kilohertz
LATA - Local Access and Transport Area
LEC - Local Exchange Carrier
Ma - Milliampere
Mbps - Megabits per second
MHz - Megahertz
MJU - Multi-Junction Unit
MRC - Monthly Recurring Charge
MST - Manual Scheduled Testing
MTL - Maximum Termination Liability
NA - Not Available
NANP - North American Numbering Plan

NECA - National Exchange Carrier Association
N-MSA – Non Qualifying Metropolitan Statistical Area
NMM – Network Management Methods
NG-ADM – Next Generation Add/Drop Multiplexing
NPA - Numbering Plan Area
NRC - Nonrecurring Charge
NST - Nonscheduled Testing
NXX - Three Digit Central Office Code

FACILITIES FOR INTERSTATE ACCESS

EXPLANATION OF ABBREVIATIONS (Cont'd)

OC-n - Optical Carrier Rate
OPS - Off-Premises Station
PBX - Private Branch Exchange
PCM - Pulse Code Modulation
PON - Purchase Order Number
POT - Point of Termination
RMC - Recurring Monthly Charge
rms - root-mean-square
RPON - Related Purchase Order Number
SAL - Special Access Line
SASG - Special Access Service Guarantee
SCFA - Secondary Connecting Facility Assignment
SED - Service Establishment Date
SF - Single Frequency
SLA - Service Level Agreement
SONET - Synchronous Optical Network
SPNP - Service Provider Number Portability
SRL - Singing Return Loss
STR - Switched Transport Rate
STS1 - Synchronous Transport Signal 1
STS1-nV - Synchronous Transport Signal 1 with Virtual Concatenation
TDCF - Total Day Conversion Factor
TISC - Time-In-Service Credit
TLP - Transmission Level Point
TV - Television
TVP - Term Volume Plan
UL - Under Utilization Liability
VG - Voice Grade
V&H - Vertical & Horizontal
WA - Wideband Analog
WATS - Wide Area Telecommunications Service

FACILITIES FOR INTERSTATE ACCESS

EXPLANATION OF ABBREVIATIONS (Cont'd)
STATE ABBREVIATIONS

| | |
|--------------------|---------------------|
| AL - Alabama | MT - Montana |
| AK - Alaska | |
| AR - Arkansas | NE - Nebraska |
| AZ - Arizona | NC - North Carolina |
| CA - California | ND - North Dakota |
| CO - Colorado | NH - New Hampshire |
| CT - Connecticut | NJ - New Jersey |
| DE - Delaware | NM - New Mexico |
| FL - Florida | NV - Nevada |
| GA - Georgia | NY - New York |
| HI - Hawaii | OH - Ohio |
| IA - Iowa | OK - Oklahoma |
| ID - Idaho | OR - Oregon |
| IL - Illinois | PA - Pennsylvania |
| IN - Indiana | RI - Rhode Island |
| KS - Kansas | SC - South Carolina |
| KY - Kentucky | SD - South Dakota |
| LA - Louisiana | TN - Tennessee |
| MA - Massachusetts | TX - Texas |
| MD - Maryland | UT - Utah |
| ME - Maine | VA - Virginia |
| MI - Michigan | VT - Vermont |
| MN - Minnesota | WA - Washington |
| MO - Missouri | WI - Wisconsin |
| MS - Mississippi | WV - West Virginia |
| | WY - Wyoming |

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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, 800-228-8597, or on the Internet at www.neca.org.

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

REFERENCE TO OTHER PUBLICATIONS

The following technical publications are referenced in this tariff and may be obtained from the National Exchange Carrier Association, Inc., 80 South Jefferson Road, Whippany, NJ 07981-1009 or in electronic format on the Internet at www.neca.org.

PUB AS No. 1, ISSUE II Access Service
Issued: May 1984

PUB AS No. 1, ISSUE II Access Service Addendum
Issued: March 1987

The following technical publications are referenced in this tariff and may be obtained from Testmark Labs, 3050 Harrodsburg Rd., Lexington, Kentucky 40503.

GTE Technical Interface Reference Manual, Issue 2; Sections 3300, 6000, 6103, and 7000
Issued: August 1984, Revised December 1985, August 1986, and October 1988

GTE Telephone Companies - Traffic Grade of Service Standards
Issued: April 1985; entire issue

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REFERENCE TO OTHER PUBLICATIONS (Cont'd)

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

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

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

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

GR-63-CORE, Issue 3
Issued: March 2006

GR-253-CORE, Issue 4
Issued: December 2005

GR-320-CORE, Issue 1
Issued: August 2003

GR-487-CORE, Issue 3
Issued: April 2009

GR-499-CORE, Issue 3
Issued: September 2004

GR-905-CORE, Issue 11
Issued: December 2008

GR-1089-CORE, Issue 4
Issued: June 2006

GR-1149-CORE, Issue 7
Issued: December 2008

GR-1312-CORE, Issue 3
Issued: April 1999

GR-1374-CORE, Issue 1
Issued: December 1994

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REFERENCE TO OTHER PUBLICATIONS (Cont'd)

GR-1400-CORE, Issue 3
Issued: July 2006

GR-2918-CORE, Issue 6
Issued: January 2003

GR-2979-CORE, Issue 5
Issued: March 2005

Network Equipment Building System (NEBS), SR-3580, Issue 3
Issued: June 2007

SR-TAP-000191, Issue 2
Issued: December 1989

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

ANSI T1.102 - 1993 (R2005) Digital Hierarchy Electrical Interfaces Issued: 2005

ANSI T1.105.01 – 2000 (R2005) Synchronous Optical Network (SONET) - Basic Description Including Multiplex Structure, Rates and Formats Issued: 2005

ANSI T1.107 – 2002 (R2006) Digital Hierarchy - Format Specifications Issued: 2006

ANSI INCITS 148-1998 (R2004) Information Systems - Fiber Distributed Data Interface (FDDI) - Token Ring Physical Layer Protocol (PHY) Issued: 2004

ANSI INCITS 166-1989 (R2005) Information Systems - Fibre Data Distributed Interface (FDDI) - Token Ring Physical Layer Medium Dependent (PMD) Issued: 2005

ANSI INCITS 296-1997 (R2007) Information Technology – Single-Byte Command Code Sets Connection (SBCON) Architecture Issued: 2007

ANSI INCITS 303 – 1998 (R2003) Third Generation Fibre Channel Physical and Signaling Interface-3 (FC-PH-3) Issued: 2003

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REFERENCE TO OTHER PUBLICATIONS (Cont'd)

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

IEEE 802.3-2005/Cor2/D2.0-2007 Telecommunications and information exchange between systems-Local and Metropolitan Area Networks-Specific Requirements-Part 3
Issued: August 2007

IEEE 802.3u-1995 Supplement to Standard for Information Technology-Local and Metropolitan Area Networks, Part 3
Issued: October 1995

IEEE 802.3z-1998 Supplement to Standard for Information Technology-Local and Metropolitan Area Networks, Part 3
Issued: 1998

IEEE 802.3ae-2002 Supplement to Standard for Information Technology-Local and Metropolitan Area Networks, Part 3
Issued: August 2002

The following technical publications are 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.

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

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 Society of Motion Picture and Television Engineers (SMPTE), 3 Barker Avenue, 5th Floor, White Plains, NY 10601, (914)761-1100, or on the Internet at www.smpete.org.

SMPTE 0259M-2008

Issued: 2008

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. Note: ESCON® is a registered trademark of the International Business Machines (IBM) Corporation.

Enterprise Systems Architecture/390 ESCON I/O Interface, Physical Layer (Seventh Edition)

SA23-0394-06

Issued: July 2008

Coupling Facility Channel Physical Layer (Sixth Edition)

SA23-0395-05

Issued: July 2008

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

Optical Interfaces for Multichannel Systems with Optical Amplifiers, ITU-T G.692

Issued: October 1998, Amendment 1 January 2005

Optical Transport Network Physical Layer Interfaces, ITU-T G.959.1

Issued: December 2003

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REFERENCE TO OTHER PUBLICATIONS (Cont'd)

The following technical publication is referenced in this tariff and may be obtained from 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
Issued: March 2007

The following technical publication is 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.

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

The following publication is referenced in this tariff and may be obtained from the COMM 2000, 1414 Brook Drive, Downers Grove, IL 60515 (888)-UL33503 or on the Internet at www.comm-2000.com.

UL 94, Edition 5

Issued: October 1996

The following technical publication is referenced in this tariff and may be obtained from the Telecommunications Industry Association, 2500 Wilson Blvd., Suite 300, Arlington, VA 22201.

Electrical Performance for Television Transmission Systems (EIA/TIA-250-C)
Issued: February 1990