

## 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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## ACCESS SERVICE

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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  |     |
| dBrnCO | - | 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<br>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).

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|----------------------------|--|
| Nortel Document No. Q214-1 |  |
| Issued: September 2000     |  |