

ACCESS SERVICE

USER'S GUIDE

CONCURRING CARRIERS

NO CONCURRING CARRIERS

CONNECTING CARRIERS

NO CONNECTING CARRIERS

OTHER PARTICIPATING CARRIERS

NO OTHER PARTICIPATING CARRIERS

REGISTERED SERVICE MARKS

NONE

REGISTERED TRADEMARKS

NONE

ACCESS SERVICEEXPLANATION OF SYMBOLS

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

EXPLANATION OF ABBREVIATIONS

- | | |
|--------|--|
| ACR | — Alternate Carrier Routing |
| ADA | — Abbreviated Dialing Arrangement |
| ADM | — Add/Drop Multiplexing |
| ADSL | — Asymmetric Digital Subscriber Line |
| AIN | — Advanced Intelligent Network |
| AML | — Actual Measured Loss |
| ANI | — Automatic Number Identification |
| AP | — Program Audio |
| AT&T | — AT&T Corp. |
| BHMC | — Busy Hour Minutes of Capacity |
| CCS | — Common Channel Signaling |
| CDP | — Customer Designated Premises |
| CI | — Channel Interface |
| CIR | — Committed Information Rate |
| CNP | — Charge Number Parameter |
| CO | — Central Office |
| Cont'd | — Continued |
| CPE | — Customer Provided Equipment |
| CPN | — Calling Party Number |
| CSP | — Carrier Selection Parameter |
| DA | — Directory Assistance |
| dB | — decibel |
| dBrnC | — Decibel Reference Noise C-Message Weighting |
| dBrnC0 | — Decibel Reference Noise C-Message Weighted O |
| dc | — direct current |
| DDD | — Direct Distance Dialing |
| DSL | — Digital Subscriber Line |
| EAS | — Extended Area Service |
| EDD | — Envelope Delay Distortion |

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ACCESS SERVICE**EXPLANATION OF ABBREVIATIONS** (Cont'd)

| | | |
|----------|---|--|
| EML | — | Expected Measured Loss |
| EPL | — | Echo Path Loss |
| ERL | — | Echo Return Loss |
| ESS | — | Electronic Switching System |
| ESSX | — | Electronic Switching System Exchange |
| f | — | frequency |
| F.C.C. | — | Federal Communications Commission |
| FRAS | — | Frame Relay Access Service |
| GETS | — | Government Emergency Telecommunications Service |
| HC | — | High Capacity |
| HPC | — | High Probability of Completion |
| Hz | — | Hertz |
| IC | — | Interexchange Carrier |
| ICB | — | Individual Case Basis |
| ICL | — | Inserted Connection Loss |
| ISDN BRI | — | Integrated Services Digital Network Basic Rate Interface |
| ISDN PRI | — | Integrated Services Digital Network Primary Rate Interface |
| kbps | — | kilobits per second |
| kHz | — | kilohertz |
| LAN | — | Local Area Network |
| LATA | — | Local Access and Transport Area |
| LNP | — | Local Number Portability |
| LRN | — | Location Routing Number |
| ma | — | milliamperes |
| Mbps | — | Megabits per second |
| mcs | — | Microsecond |
| MHz | — | Megahertz |
| MRC | — | Monthly Recurring Charge |
| MT | — | Metallic |
| MTS | — | Message Telecommunications Service(s) |
| NPA | — | Numbering Plan Area |
| NRC | — | Nonrecurring Charge |
| NXX | — | Three-Digit Central Office Prefix |
| OC | — | Optical Carrier |
| OLT | — | Optical Line Termination |
| PBX | — | Private Branch Exchange |
| PIC | — | Presubscribed Interexchange Carrier |
| POT | — | Point of Termination |
| PVC | — | Permanent Virtual Connection |
| SAC | — | Service Access Code |
| SDSL | — | Symmetric Digital Subscriber Line |
| SNAL | — | Signaling Network Access Line |
| SONET | — | Synchronous Optical Network |

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ACCESS SERVICE**EXPLANATION OF ABBREVIATIONS** (Cont'd)

| | |
|-------|---|
| SP | — Signaling Point |
| SPOI | — Signaling Point of Interface |
| SRL | — Singing Return Loss |
| SSP | — Service Switching Point |
| SS7 | — Signaling System 7 |
| STP | — Signal Transfer Point |
| STS | — Synchronous Transport Signal |
| SWC | — Serving Wire Center |
| TG | — Telegraph Grade |
| TLP | — Transmission Level Point |
| TV | — Television |
| VG | — Voice Grade |
| V & H | — Vertical & Horizontal |
| WATS | — Wide Area Telecommunications Service(s) |
| WSC | — Wireless Switching Center |
| WSO | — WATS Serving Office |

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ACCESS SERVICE**REFERENCE TO OTHER TARIFFS**

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

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

| | | |
|--|--|--|
| National Exchange Carrier Association, Inc. | National Exchange Carrier Association, Inc. | National Exchange Carrier Association, Inc. |
| Special Construction Tariff F.C.C. No. 3 | Wire Center Information Tariff F.C.C. No. 4 | Access Service Tariff F.C.C. No. 5 |

REFERENCE TO TECHNICAL PUBLICATIONS

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

Technical Reference:

GR-253-CORE Issue 2 Synchronous Optical Network (SONET)
Transport Systems: Common Generic Criteria
Issued: December 1995

GR-1374-CORE Issue 1 SONET Inter-Carrier Interface Physical Layer Generic Criteria for
Carriers
Issued: December 1994

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

PUB 62310 (MDP-326-584) Digital Data System Channel Interface Specification
Issued: September 1983

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

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

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Vice President — Tariff and Regulatory Matters
326 South 2nd Street, Emmaus, Pennsylvania 18049

ACCESS SERVICE**REFERENCE TO TECHNICAL PUBLICATIONS** (Cont'd)

TR-NWT-000335 Issue 3 Voice Grade Special Access Service — Transmission Parameter Limits and Interface Combinations

Issued: May 1993

TR-NPL-000336 Metallic and Telegraph Grade Special Access Service: Transmission Parameter Limits and Interface Combinations

Issued: November 1987

GR-337-CORE Issue 1 Program Audio Special Access Service and Local Channel Services

Issued: December 1995

GR-338-CORE Issue 1 Television Special Access and Local Channel Services — Transmission Parameter Limits and Interface Combinations

Issued: December 1995

TR-NWT-000341 Digital Data Special Access Service — Transmission Parameter Limits and Interface Combinations

Issued: Issue 2, February 1993

GR-342-CORE Issue 1 High Capacity Digital Special Access Service — Transmission Parameter Limits and Interface Combinations

Issued: December 1995

NC/NCI (Network Channel/Network Channel Interface) Decoder

Issued: June 2001

GR-506-CORE Issue 1 LATA Switching Systems Generic Requirements (LSSGR)

Issued: June 1996

GR-54-CORE Issue 1 DS1 High Capacity Digital Service — End User Metallic Interface Specifications

Issued: December 1995

GR-905-CORE Issue 4 Common Channel Signaling Network Interface Specification

Available: December 2000

TR-TSV-001370 Generic Requirements for Exchange Access Frame Relay PVC Service

Issued: Issue 1, May 1993

GR-394-CORE Issue 2 Switching System Generic Requirements for Interexchange Carrier Interconnection Using the Integrated Services Digital Network User Part (ISDNUP)

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REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

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

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

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

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

The following publications are referenced in this tariff and may be obtained from the Government Printing Office, Superintendent of Documents, Document Control Branch, 941 North Capital Street, NE, Washington, DC 20401.

Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook, National Communications System (NCSH 3-1-2).
Issued: July 1990
Available: August 1990

Telecommunication Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service User Manual, National Communications System (NCSM 3-1-1).
Issued: July 1990
Available: August 1990

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

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

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ACCESS SERVICE**REFERENCE TO TECHNICAL PUBLICATIONS** (Cont'd)

The following publication is referenced in this tariff and may be obtained from AT&T, 26 Parsippany Road, Whippany, NJ 07981.

AT&T PUB 62310 (and its Addendum 2 and Addendum 3)
Available: November 1989

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

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

ANSI T1.105-1995, Synchronous Optical Network (SONET) — Basic Description including Multiplex Structure, Rates and Formats.

ANSI T1.602-1996, Integrated Services Digital Network (ISDN) — Data-Link Layer Signaling Specification for Application at the User-Network Interface.

ANSI T1.606-1990, Integrated Services Digital Network (ISDN) — Architectural Framework and Service Description for Frame-Relaying Bearer Service.

ANSI T1.606a-1992, Supplement to ANSI T1.606-1990 Integrated Services Digital Network (ISDN) — Architectural Framework and Service Description for Frame-Relaying Bearer Service (Congestion Management and Frame Size).

ANSI T1.606b-1993, Supplement to ANSI T1.606-1990 Integrated Services Digital Network (ISDN) — Architectural Framework and Service Description for Frame-Relaying Bearer Service (Network-to-Network Interface Requirements).

ANSI T1.617-1991, Integrated Services Digital Network (ISDN) — Signaling Specification for Frame Relay Bearer Service for Digital Subscriber Signaling System Number 1 (DSS1).

ANSI T1.617a-1994, Integrated Services Digital Network (ISDN) — Signaling Specification for Frame Relay Bearer Service for Digital Subscriber Signaling System Number 1 (DSS1) Protocol Encapsulation and PICS).

ANSI T1.618-1991, Integrated Services Digital Network (ISDN) — Core Aspects of Frame Protocol for Use with Frame Relay Bearer Service.

ANSI T1.413-1998, Network and Customer Installation Interfaces — Asymmetric Digital Subscriber Line (ADSL) Metallic Interface.

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REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

The following technical publication is referenced in this tariff and may be obtained from the Institute of Electrical and Electronics Engineers, Inc. (IEEE), 445 Hoes Lane, PO Box 1331, Piscataway, NJ 08855-1331 (www.ieee.org).

IEEE Std. 802.3 — 2000, Part 3, Clauses 14, 21 and 29 — Information Technology —
Telecommunications and Information Exchange Between Systems — Local and Metropolitan
Area Networks – Specific Requirements

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 (www.atis.org).

Multiple Exchange Carrier Access Billing (MECAB) Guidelines
Issued: February 2001

Multiple Exchange Carrier Ordering and Design (MECOD) Guidelines
Issued: March 2001