

ACCESS SERVICE

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ACCESS SERVICE

ISSUING CARRIERS

NEW ENGLAND TELEPHONE AND TELEGRAPH COMPANY
NEW YORK TELEPHONE COMPANY

CONCURRING CARRIERS

No Concurring Carriers

CONNECTING CARRIERS

No Connecting Carriers

OTHER PARTICIPATING CARRIERS

No Other Participating Carriers

REGISTERED SERVICE MARKS

DIGIPATH® digital service II
INFOPATH® packet switching service
INTELLIHUB® dedicated network service
INTELLILIGHT® Broadband Transport
INTELLILIGHT® Dedicated SONET Ring
INTELLILIGHT® Entrance Facility
INTELLILIGHT® Shared Assurance Network
INTELLILIGHT® Shared Single Path
INTELLIPATH II® digital Centrex service
SWITCHWAY® digital service (Z)
SUPERPATH® digital service
V PATH® custom network service

REGISTERED SERVICE MARK OF AT&T

DATAPHONE®

REGISTERED TRADEMARK OF INTERNATIONAL BUSINESS MACHINES CORPORATION

ESCON®

REGISTERED TRADEMARKS

None

SERVICE MARKS

DOVPATHSM service
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ACCESS SERVICE

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

ABVS	-	Advanced Broadcast Video Service	
AC	-	Access Connection	
ac	-	Alternating current	
AML	-	Actual Measured Loss	
ANI	-	Automatic Number Identification	
ANSI	-	American National Standards Institute	
AP	-	Program Audio	
AT&T	-	American Telephone and Telegraph Company	
AT&T-C	-	AT&T Communications	
ATM	-	Asynchronous Transfer Mode	
ATM CRS	-	Asynchronous Transfer Mode Cell Relay Service	
ATP	-	Access Transport Parameter	
ATSC	-	Advanced Television Systems Committee	(N)
AUDVS	-	Advanced Uncompressed Digital Video Service	
BD	-	Business Day	
BHMC	-	Busy Hour Minutes of Capacity	
BSA	-	Basic Serving Arrangement	
BSE	-	Basic Service Element	
BTSC	-	Broadcast Television Systems Committee	
CAROT	-	Centralized Automatic Reporting on Trunks	
CBR	-	Constant Bit Rate	
CCITT	-	Consultative Committee for International Telephone and Telegraph	
CCSA	-	Common Channel Signaling Access	
CDVT	-	Cell Delay Variation Tolerance	(S)(x)
CFP	-	Competitive fiber provider	
CI	-	Channel Interface	
CIC	-	Carrier Identification Code	
CIP	-	Carrier Identification Parameter	
CLLI	-	Common Language Location Identifier	
CM	-	Channel Mileage	
CN	-	Charge Number	
CO	-	Central Office	
COCTX	-	Central Office Centrex	
Cont'd	-	Continued	
CPE	-	Customer Provided Equipment	

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EXPLANATION OF ABBREVIATIONS (Cont'd)

CPN	-	Calling Party Number	
CSL	-	Circuit Switched Line	
CSM	-	Customer Service Management	
CSP	-	Carrier Selection Parameter	
CST	-	Circuit Switched Trunk	
CtX	-	Centrex	
CUG	-	Closed User Group	
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)	
dBvl	-	Decibel(s) Relating To 1 Volt (Reference)	
dc	-	direct current	
DDS II	-	DIGIPATH digital service II	
DID	-	Direct Inward Dialing	
DNIS	-	Dialed Number Identification Service	
DOV	-	DOVPATH service	
DP	-	Dial Pulse	
DSAC	-	Dial Services Administration Center	
DSX	-	Digital System Cross Connect	
DTE	-	Data Terminal Equipment	
DTMF	-	Dual Tone Multifrequency	
DTN	-	Data Terminal Number	
DVTS	-	Digital Video Transport Service	
DWDM	-	Dense Wave Division Multiplexing	(N)
EDD	-	Envelope Delay Distortion	
EIAC	-	Expanded Interconnection Access Cable	
ELEPL	-	Equal Level Echo Path Loss	
EML	-	Expected Measured Loss	
EOO	-	Enhanced Ordering Option	
EPL	-	Echo Path Loss	
ERL	-	Echo Return Loss	
ESS	-	Electronic Switching System	
ESSX	-	Electronic Switching System Exchange	
ETR	-	External Time Reference	(N)
f	-	frequency	
FID	-	Field Identifier	
F.C.C.	-	Federal Communications Commission	
FDDI	-	Fiber Distributed Data Interface	
FPD	-	Fiber Path Diversity	
FRS	-	Frame Relay Service	
FX	-	Foreign Exchange	
HC	-	High Capacity	
Hz	-	Hertz	
IBT	-	IntelliLight® Broadband Transport	
Ic	-	Interexchange Carrier	
ICB	-	Individual Case Basis	
ICL	-	Inserted Connection Loss	
IDSL	-	Infospeed Digital Subscriber Line Service	
IDSR	-	IntelliLight® Dedicated SONET Ring	
IEF	-	IntelliLight® Entrance Facility	
ISAN	-	IntelliLight® Shared Assurance Network	
ISSP	-	IntelliLight® Shared Single Path	

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EXPLANATION OF ABBREVIATIONS (Cont'd)

IETF	-	Internet Engineering Task Force
IP	-	Internet Protocol
IPRS	-	Internet Protocol Routing Service
ISDN	-	Integrated Services Digital Network
kbps	-	kilobits per second
kHz	-	kilohertz
LATA	-	Local Access and Transport Area
LIDB	-	Line Information Data Base
Ma	-	milliamperes
Mbps	-	Megabits per second
MBS	-	Maximum Burst Size
MECAB	-	Multiple Exchange Carrier Access Billing
MECOD	-	Multiple Exchange Carrier Ordering and Design
MFJ	-	Modification of Final Judgement
MHz	-	Megahertz
MRC	-	Monthly Recurring Charge
MT	-	Metallic
MTS	-	Message Telecommunications Service(s)
MVS	-	Fiber Based Multichannel Video Service
NAP	-	Network Access Point
NES	-	NYNEX Enterprise Service
NID	-	Network Interface Device
NPA	-	Numbering Plan Area
NRC	-	Nonrecurring Charge
NRS	-	NYNEX Enterprise Network Reconfiguration Service
NSP	-	Non-Standard Premises
NTS	-	Non-Traffic Sensitive
NTSC	-	National Television Systems Committee
NUI	-	Network User Identifier
NXX	-	Three-Digit Central Office Code
OC#	-	Optical Carrier Rate
OLNS	-	Originating Line Number Screening
OLTM	-	Optical Line Terminating Multiplexer
OPC	-	Originating Point Code
OSS	-	Operator Services System Location
OTPL	-	Zero Transmission Level Point

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EXPLANATION OF ABBREVIATIONS (Cont'd)

PAL	-	Public Access Line	
PBX	-	Private Branch Exchange	
PCM	-	Pulse Code Modulation	
PCR	-	Peak Cell Rate	
PI	-	Priority Installation	
PICC	-	Presubscribed Interexchange Carrier Charge	
PLR	-	Private Line Ringdown	
POT	-	Point of Termination	
POTS	-	Plain Old Telephone Service	
PR	-	Priority Restoration	
PVC	-	Permanent Virtual Circuit	
RADIUS	-	Remote Authentication Dial-In User Service	
Rf	-	Radio frequency	
rms	-	root-mean-square	
RPOA	-	Recognized Private Operating Agency	
RSM	-	Remote Switching Modules	
RSS	-	Remote Switching Systems	
SCP	-	Service Control Point	
SCR	-	Sustainable Cell Rate	
SCVS	-	Serial Component Video Service	
SDH	-	Synchronous Digital Hierarchy	(N)
SMPTE	-	Society of Motion Picture and Television Engineers	
SMS	-	Service Management System	
SNR	-	Single Number Routing	
SONET	-	Synchronous Optical NETwork	
SP	-	Signaling Point	
SPOI	-	Signaling Point of Interconnection	
SRL	-	Singing Return Loss	
SSN	-	Switched Service Network	
SSP	-	Service Switching Point	
SS7	-	Signaling System 7	
STM	-	Synchronous Transport Module	(N)
STP	-	Signaling Transfer Point	
STS	-	Synchronous Transport Signal	
SVC	-	Switched Virtual Circuit	
SVS	-	Supertrunking Transport Video Service	
SWC	-	Serving Wire Center	
TCIC	-	Trunk Circuit Identification Code	
TES	-	Telephone Exchange Service(s)	
TG	-	Telegraph Grade	
TISC	-	Time In-Service Credit	

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EXPLANATION OF ABBREVIATIONS (Cont'd)

TLP	-	Transmission Level Point	
TOPS	-	Traffic Operator Position System	
TSP	-	Telecommunications Service Priority	
TV	-	Television	
UBR	-	Unspecified Bit Rate	
UNI	-	User Network Interface	
USOC	-	Uniform Service Order Code	
VBRnrt	-	Variable Bit Rate non-real time	(N)
VBRrt	-	Variable Bit Rate real time	(N)
VG	-	Voice Grade	
V&H	-	Vertical & Horizontal	
WA	-	Wideband Analog	
WATS	-	Wide Area Telecommunications Service(s)	
WD	-	Wideband Data	

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ACCESS SERVICE

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.

REFERENCE TO OTHER PUBLICATIONS

The following technical publication is referenced in this tariff and may be obtained from the National Exchange Carrier Association, Inc., Director -Tariff and Regulatory Matters, 100 S. Jefferson Road, Whippany, NJ 07981 and the Federal Communications Commission's commercial contractor.

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

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

The following technical publications are referenced in this tariff and may be obtained from Telcordia, 8 Corporate Place, PYA3C-184, Piscataway, NJ 08854

(C)

Technical Reference:

PUB 41004
Issued: October, 1973 Available: October, 1973

PUB 62310
Issued: September, 1983 Available: October, 1983

PUB 62411, with Addendum
Issued: October, 1984 Available: October, 1984

Special Report SR-EOP-000191,
Issue No. 1
Issued: April, 1985 Available: September, 1985

Multiple Exchange Carrier
Access Billing Guidelines (MECAB)
Special Report SR-BDS-000983
Issued: December, 1990 Available: December, 1990

Multiple Exchange Carrier
Ordering and Design Guidelines
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SR-INS-001532, Issue No. 1 Video Distribution Technology Issued: July, 1991	Available: July, 1991	
SR-NPL-001434, Issue No. 1 Cable TV Signal Distribution Issued: January, 1990	Available: January, 1990	
SR-NWT-001851, Issue 1 Issued: December, 1990	Available: December, 1990	
GR-253-CORE, Issue 2 Issued: December, 1995	Available: December, 1995	(C)(x) (C)(x)
GR-317-CORE, Issue 1 Issued: February, 1994	Available: February, 1994	
GR-394-CORE, Issue 1 Issued: February, 1994	Available: February, 1994	
TR-NWT-000506, Issue 3, Revision 3 Issued: May, 1994	Available: May, 1994	
TR-TSY-000540, Issue 2, Revision 2 Issued: June, 1990	Available: June, 1990	
TR-NWT-001203, Issue No. 2 Issued: December, 1992	Available: December, 1992	
TR-NWT-001357, Issue No. 1 Issued: September, 1993	Available: September, 1993	
TR-NWT-000508, Issue No. 3 Issued: June, 1992	Available: June, 1992	
TR-NWT-001112, Issue No. 1 Issued: December, 1994	Available: December, 1994	
GR-1110-CORE, Issue 1 Issued: September, 1994	Available: September, 1994	
SR-3330, Issue 1 Issued: November, 1994	Available: November, 1994	
GR-1248-CORE, Issue 2 Issued: September, 1995	Available: September, 1995	

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GR-20-CORE, Issue 1 Issued: September, 1994	Available: September, 1994	
GR-63-CORE, Issue 1 Issued: October, 1995	Available: October, 1995	
GR-342, Issue 1 Issued: December, 1995	Available: December, 1995	
GR-1089-CORE, Issue 1 Issued: November, 1994	Available: November, 1994	
GR-1374-CORE, Issue 1 Issued: December, 1994	Available: December, 1994	
GR-1377-CORE, Issue 54 Issued: December, 1998	Available: December, 1998	(N) (N)
TR-NPL-000054 Issued: April, 1989	Available: April, 1989	
TR-NPL-000157 Issued: April, 1986	Available: April 1986	
TR-NPL-000258, Issue No. 1 Issued: October, 1985	Available: October, 1985	
TR-TSY-000271, Issue No. 1 Issued: January, 1990	Available: January, 1990	
TR-NWT-000334 Issued: September, 1990	Available: September, 1990	
TR-TSY-000335 Issued: May, 1990	Available: May, 1990	
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TR-NPL-000336			(M)
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TR-NPL-000337			
Issued: July, 1987	Available: July, 1987		
TR-TSV-000338, Issue No. 2			
Issued: August, 1993	Available: October, 1993		
TR-NPL-000339			
Issued: October, 1987	Available: October, 1987		
TR-NPL-000340			
Issued: September, 1986	Available: January, 1987		
TR-NPL-000341			
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TR-TSY-000366 Issued: March, 1988	Available: April, 1988
TR-TSY-000461 Issued: June, 1987	Available: June, 1987
TR-TSY-000530, Issue No. 2 Issued: December, 1988	Available: December, 1988
TR-TSY-000685, Issue No. 1 Issued: September, 1989	Available: October, 1989.
TR-NWT-000409, Issue No. 2 Issued: September, 1990	Available: October, 1990
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BR-760-200-030, Issue No. 2 Issued: August, 1982	Available: August, 1982
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REFERENCE TO OTHER PUBLICATIONS (Cont'd)

Technical Reference: (Cont'd)

The following technical publications are referenced in this tariff and may be obtained from Manager, Technology Selection Management, Network and Technical Planning, 1166 Avenue of the Americas, Room 11015, Floor 11, New York, NY 10036.

NIP-74162, Issue No. 3 Issued: July, 1993	Available: July, 1993
NIP-74165, Issue No. 2 Issued: December, 1989	Available; December, 1989
NIP-74171, Issue No. 1 Issued: February, 1993	Available: March, 1993
NIP-74174, Issue No. 1 Issued: February, 1993	Available: April, 1993
NIP-74166, Issue No. 1 Issued: June, 1993	Available: June, 1993
NTR-74250, Issue No. 2 Issued: January, 1988	Available: January, 1988
NTR 74374, Issue No. 2 Issued: February, 1990	Available: February, 1990
NTR 74375, Issue No. 2 Issued: February, 1990	Available: February, 1990
NTR-74380, Issue No. 1 Issued: July, 1992	Available: July, 1992
NTR-74410, Issue No. 1 Issued: April, 1993	Available: April, 1993
NTR-74415, Issue No. 1 Issued: June, 1994	Available: June, 1994
IP-72201 Issued: September, 1998	Available: September, 1998

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REFERENCE TO OTHER PUBLICATIONS (Cont'd)

Technical Reference: (Cont'd)

TR-TSV-000905, Issue No. 1 Issued: August, 1989	Available: August, 1989
TR-TSV-000954, Issue No. 1 Issued: November, 1989	Available: November, 1989
TR-NWT-000954, Issue No. 1 Issued: November, 1992	Available: November, 1992
TR-NWT-000295, Issue No. 1 Issued: November, 1987	Available: November, 1987
BR-190402-215, Issue 7 Issued: December, 1993	Available: December, 1993
BR-010200-010, Issue 13, Revision 1 Issued: March, 1994	Available: March, 1994

The following technical publications are referenced in this tariff and may be obtained from the Internet Engineering Task Force (IETF) at Corporation for National Research Initiatives, Attn: Accounting Department—IETF Proceedings, 1895 Preston white Drive, Suite 100, Reston, VA 22091.

(N)(x)(y)

STD 0001, Internet Official Protocol Standards, J. Postel, Editor Issued: June, 1997	Available: June, 1997
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RFC 2138, Remote Authentication Dial-In User Service (RADIUS), C. Rigney, A. Rubens, W. Simpson, S. Willens Issued: April, 1997	Available: April, 1997
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(x) Issued under authority of Special Permission 99-66 of the Federal Communications Commission.

(y) Issued under authority of Special Permission No. 99-56 to revise pending material.

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REFERENCE TO OTHER PUBLICATIONS (Cont'd)

Technical Reference: (Cont'd)

The following publications are referenced in this tariff and may be obtained (Z)
from the Federal Communications Commission's commercial contractor.

National Exchange Carrier Association, Inc.

Tariff F.C.C. No. 4

Issued: January, 1987

Available: January, 1987

National Exchange Carrier Association, Inc.

Tariff F.C.C. No. 5

Issued: April 29, 1988

Available: June 13, 1989

The following publications, referenced in this tariff, 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

Dated: July 9, 1990

Available: August, 1990

Telecommunications Service Priority (TSP) System for National Security
Emergency Preparedness (NSEP) Service User Manual, National

Communications System (NCS) M 3-1-1

Dated: July 9, 1990

Available: August, 1990

The following publication, referenced in this tariff, may be obtained from the
United States Department of Labor, Publication Distribution, 200 Constitution
Avenue, N.W., Washington, D.C. 20210.

Occupational Safety and Health Act (OSHA)

The following publication, referenced in this tariff, may be obtained from the
National Fire Protection Association, Battery March Park, Quincy, MA 02266.

National Electrical Code (NEC)

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REFERENCE TO OTHER PUBLICATIONS (Cont'd)

Technical Reference: (Cont'd)

The following publications, referenced in this tariff, may be obtained from the American National Standard Institute, 1430 Broadway, New York, NY 10018 or on the Internet at http://web.ansi.org/public/std_info.html.

American National Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 300 kHz (ANSI C95.1-1982).

ANSI X3.139 FDDI: Token Ring Media Access Control (MAC), 1987.
ANSI X3.148 FDDI: Token Ring Physical Layer Protocol (PHY), 1988.
ANSI X3.166 FDDI: Token Ring Physical Layer Medium Dependent (PMD), 1990.
ANSI X3.184 FDDI: Single-Mode Fiber, Physical Layer Medium Dependent (SMF-PMD), Revision 4.2, December 7, 1992.
ANSI X3.271 Fibre Channel Single-byte Command Code Sets Connection Architecture (SBCON), 1996.
ANSI T1.102-1993 (R1999) Digital Hierarchy - Electrical Interfaces Available: 1993

ANSI T1.102.01-1996 Digital Hierarchy - VT1.5 Electrical Interface Available: 1996

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

ANSI T1.107-1995 Digital Hierarchy - Format Specifications Available: 1995

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

ANSI T1.606a-1992 ISDN - Architectural Framework and Service Description for Frame-Relaying Bearer Service (Congestion Mgt and Frame Size) Available: 1992

ANSI T1.606b-1993 ISDN - Architectural Framework and Service Description for Frame-Relaying Bearer Service (Network-to-Network Interface Requirements) Available: 1993

ANSI T1.617-1991 ISDN - Signaling Specification for Frame Relay Bearer Service for Digital Subscriber Signaling System Number 1 (DSS1) Available: 1991

ANSI T1.617a-1994 ISDN - Signaling Specification for Frame Relay Bearer Service for DSS1 (Protocol Encapsulation and PICS) Available: 1994

ANSI T1.618-1991 ISDN - Core Aspects of Frame Protocol for Use with Frame Relay Bearer Service Available: 1991

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REFERENCE TO OTHER PUBLICATIONS (Cont'd)

Technical Reference: (Cont'd)

The following publications, referenced in this tariff, may be obtained from Advanced Networking Test Center (ANTC), 901 Thompson Place, Mail Stop 126, Sunnyvale, CA 94088-3453.

ANTC FDDI SMT Test Suite, Version 4.1, April 1992.
ANTC FDDI MAC Test Suite, Version 1.0, November 1991.
ANTC FDDI PHY Test Suite, Version 2.0, November 1991.
ANTC FDDI PMD Test Suite, Version 3.0, November 1991.

The following publication, referenced in this tariff, may be obtained from the Electronic Industries Association, 2001 Eye Street, N.W., Washington, D.C. 20006.

National Electric Safety Code (NESC)

The following publication, referenced in this tariff, may be obtained from Newbridge Networks Inc., 593 Herndon Parkway, Herndon, VA 22070-5241.

Newbridge Intelligent Network Node Interface Specification, (PRD 0004).

The following publications, referenced in this tariff, may be obtained from IBM Publication, PO Box 29570, Raleigh NC 27626.

Enterprise Systems Architecture/390 (First Edition, December, 1991)
 ESCON I/O Interface Physical Layer SA23-0394-00
 Issued: December, 1991 Available: December, 1991
Enterprise Systems Architecture/390
 ESCON I/O Interface SA22-7202-02
 Issued: December, 1990 Available: December, 1990
Enterprise Systems Connection Introduction
 GA23-0383
 Issued: February 12, 1993 Available: February 12, 1993

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 <http://www.atmforum.com>.

ATM Forum, ATM User Network Interface Specifications, Version 3.0	(N)
Issued: September, 1993 Available: September, 1993	(N)
ATM Forum, ATM User Network Interface Specifications, Version 3.1	
Issued: September 10, 1994 Available: September 10, 1994	
ATM Forum, Interim Inter-switch Signaling Protocol	(N)
Issued: December, 1994 Available: December, 1994	(N)

Certain regulations previously found on this page can now be found on Original Page 73.

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REFERENCE TO OTHER PUBLICATIONS (Cont'd)

Technical Reference: (Cont'd)

The following publications, referenced in this tariff, may be obtained from The Society of Motion Picture and Television Engineers, 595 W. Hartsdale Ave, White Plains, NY 10607.

ANSI/SMPTE 259M - 1997

Issued: September, 1997

Available: September, 1997

ANSI/SMPTE 310M - 1998

Issued: September 29, 1998

Available: April, 1998

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 <http://www.atsc.org>.

ATSC Standard A/53, Digital Television Standard

Issued and Available: September 16, 1995

ATSC Document A/54, Guide to the Use of ATSC Digital Television Standard

Issued and Available: October 4, 1995

The Collocation Space Summary, which is referenced in this tariff, may be obtained from the Telephone Company's Internet website at http://www.bellatlantic.com/wholesale/html/res_site_summ.htm.

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 <http://www.itu.int/>.

ITU G707

Issued and Available: September 16, 1995

ITU G708

Issued and Available: September 16, 1995

ITU G709

Issued and Available: September 16, 1995

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