

ACCESS SERVICE
TARIFF USER'S GUIDE

APPROVED

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Transmittal No. 988

Issued: June 16, 2003

Effective: 8 / 18 / 03

Director - Access Tariffs
 80 So. Jefferson Road, Whippany, NJ 07981

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TARIFF USERS GUIDE (Cont'd)

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Issued: April 29, 1988

Effective: June 13, 1988

Director-Tariff and Regulatory Matters
100 So. Jefferson Rd., Whippany, N.J. 07981

JUL 01 1993

ACCESS SERVICE

TARIFF USERS GUIDE (Cont'd)INTRODUCTION

The Tariff Users Guide is meant to assist both experienced and inexperienced users of this tariff in understanding the following:

- tariff content, structure, format and organization,
- effective dates and numbering schemes,
- tariff maintenance procedures,
- symbols and abbreviations, and
- references to other documents/tariffs.

For the experienced user, this Guide contains information which assists in further understanding the tariff and explains procedures related to tariff filings. For the inexperienced user, this Guide should be the starting point of tariff familiarization. It acts as a "road map" to the tariff and should be reviewed first, followed by an examination of the Table of Contents and other administrative documents supplied by NECA. (T)

Immediately preceding this Introduction is a Table of Contents relating strictly to this Guide. This Table of Contents exists in order to provide an overview of the entire Tariff Users Guide, and to assist in quickly finding topics of interest.

Following this Introduction are sample tariff pages that are for illustrative purposes only. They depict and explain tariff methodologies. This Guide is for user benefit only and, in case of conflict, Commission Rules and actual tariff pages take precedence over this Guide. (T)
(T)

(TR 653)

Issued: January 30, 1995

Effective: March 16, 1995

Director - Access Tariffs
100 So. Jefferson Rd., Whippany, N.J. 07981

JUL 6 1995

ACCESS SERVICE
TARIFF USERS GUIDE (Cont'd)

(T)

- SAMPLE TARIFF PAGE -

NATIONAL EXCHANGE CARRIER ASSOCIATION, INC.

TARIFF F.C.C. NO. 5
 2nd Revised Page 6-81
 Cancels 1st Revised Page 6-81

ACCESS SERVICE

6. Switched Access Services (Cont'd)

& Provision of Basic Service (Cont'd)

6.7.2 Optional Features (Cont'd)

(A) Common Switching Options (Cont'd)

(1) Automatic Number Identification (ANI) (Cont'd)

(a) (Cont'd)

(iii) ANI failure has occurred in the end office switch which prevents identification of calling telephone number - must be obtained by operator or in some other manner,

(iv) hotel/motel originated call which requires room number identification,

(v) coinless station, hospital, inmate, etc. call which requires special processing or handling by the customer, and

(vi) call is an Automatic Identified Outward Dialed (AIOD) call from customer premises equipment. The

(C) (x) ②
 (C) (x) ④
 (T) ⑦

③

⑤

(x) Filed under authority of Special Permission No. 89-610 of the Federal Communication Commission.

⑥

Issued: June 1989 Effective: July 5, 1989

Director-Tariff and Regulatory Matters
 100 So. Jefferson m., Whippany, N.J. 07981

1. Denotes the revision number of the page, starts with original and progresses 1st, 2nd, etc.
2. Marginal code directing the reader to a footnote.
3. Alpha-numeric numbering plan.
4. Symbolization required by FCC Rules designating various types of changes made to the tariff.
5. Footnote to which the reader was referred by 2, preceding. (T)
6. The date the page was filed with the FCC.
7. The date the tariff page is scheduled to go into effect at the time of its filing. May be superseded by a supplement, or the effective date of certain material may be deferred by a subsequent page containing a footnote. See page 28, following, for example. (T)

(TR 653)

Issued: January 30, 1995

Effective: March 16, 1995

Director - Access Tariffs
 100 So. Jefferson Rd., Whippany, N.J. 07981

JUL 6 1995

ACCESS SERVICE
TARIFF USERS GUIDE (Cont'd)

- SAMPLE TARIFF PAGE -

NATIONAL EXCHANGE CARRIER ASSOCIATION, INC.	TARIFF F.C.C. NO. 5 Original Page 6-90
ACCESS SERVICE	
6. <u>Switched Access Service</u> (Cont'd)	
6.7 <u>Description and Provision of Feature Group C (FGC)</u> (Cont'd)	(Z)
6.7.2 <u>Optional Features</u> (Cont'd)	
(A) <u>Common Switching Options</u> (Cont'd)	
(1) <u>Automatic Number Identification (ANI)</u> (Cont'd)	
(b) With Feature Group C, technical limitations may exist in Telephone Company switching facilities which require ANI to be provided only on a directly trunked basis. ANI will be transmitted on all calls except those originating from multiparty lines, coin stations and coinless pay telephones, or when an MI failure has occurred.	(C) (C)
(c) Where ANI cannot be provided, e.g., on calls from 4 and 8 party services, information digits will be provided to the customer.	
The information digits identify:	(T)
(i) telephone number is the station billing number - no special treatment required.	
(ii) multiparty line - telephone number is a 4- or 8- party line and cannot be identified - number must be obtained via an operator or in some other manner.	(N) (N) (D) (D)
<hr style="width: 80%; margin: 0 auto;"/> Issued: June 24, 1989 Effective: July 5, 1989 Director-Tariff and Regulatory Matters 100 So. Jefferson Rd., Whippany, N.J. 07981	

The coding on this page illustrates the following:
 (Z) a correction (typo, misspelling, etc.)
 (C) change in regulation
 (D) deleted material
 (N) new rate or regulation
 (T) change in text but no change in regulation
 See page 3 for a complete list of symbols.

Issued: April 29, 1988

Effective: June 13, 1988

Director-Tariff and Regulatory Matters
 100 So. Jefferson Rd., Whippany, N.J. 07981

JUL 0 1 1993

ACCESS SERVICE
TARIFF USERS GUIDE (Cont'd)

- SAMPLE TARIFF PAGE -

NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 5
1st Revised Page 6-74
Cancels Original Page 6-74

ACCESS SERVICE

6. ~~Switched Access Service~~ (Cont'd)

6.6 Description of Feature Group B (FSR) (Cont'd)

6.6.2 Optional Features (Cont'd)

(A) Common Switching Options (Cont'd)

(1) ~~Automatic Number Identification (ANI)~~ (Cont'd)

(b) With Feature Group B, technical limitations may exist in Telephone Company switching facilities which require ANI to be provided only on a directly trunked basis. ANI will be transmitted on all calls except those originating from multiparty lines, coin ~~operated~~ and coinless pay telephones using Feature Group B, or when an ANI failure has occurred (C)

ANI is not provided from end offices where the Telephone Company forwards ANI to its recording equipment.

(c) Where complete ANI detail cannot be provided, e.g., on calls from 4 and 8 party services, information digits will be provided to the customer.

digits identified
obtain
other manner

(x) Filed under authority of Special Permission W-610 the Federal Communications Commission.

Issued: June 24, 1989 Effective: 5, 1989

Director-Tariff and Regulatory Matters
100 So. Jefferson Rd., Whippany, N.J. 07981

This footnote indicates that the filing is being made pursuant to a Special Permission granted by the FCC. The Special Permission can be included in the ordering clause of a Commission Order or in a letter from the Commission requiring deferral under Part 61.58(a) (2) of the FCC Rules. More often, the Special Permission has been requested by NECA to file tariff changes that require a waiver of the Commission Rules (e.g., filing on less than statutory notice). (T)

(TR 653)

Issued: January 30, 1995

Effective: March 16, 1995

Director - Access Tariffs
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JUL 6 1995

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TARIFF USERS GUIDE (Cont'd)

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- SAMPLE TARIFF PAGE -

NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 5
 3rd Revised Page 17-42.2.15
 Cancels 2nd Revised Page 17-42.2.15

ACCESS SERVICE

17. Rates and Charges (Cont'd)

17.4 Other Services (Cont'd)

17.4.9 Digital Subscriber Line Access Services (Cont'd)

(F) DSL Extended Transport (S) (y)

Regulations concerning DSL Extended Transport are set forth in Sections 8.1.5(D) and 8.2.5(D), preceding.

	Monthly Rate	
Per 1.544 Mbps Path, Per Mile		
First 25 miles	\$0.00	
Each mile over 25 miles	\$15.47	(C) (x)

(S) (y)

(S) (y)

(x) Filed under authority of Special Permission No. 03-012 of the Federal Communications Commission to reinstate currently effective switched and special access rates and to withdraw revisions filed under Transmittal No. 952 before becoming effective.

(y) All material coded with an "S" was originally filed under Transmittal No. 952 on August 30, 2002 and was allowed to become effective on September 14, 2002 pursuant to the Commission's Order in the matter of National Exchange Carrier Association, Inc. Tariff FCC No. 5 released September 13, 2002 (DA 02-2263).

Transmittal No. 972

Issued: January 30, 2003 Effective: January 31, 2003

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(T)

(T)

In this example, the (x) footnote denotes a change in the filed rate from a previously filed page. The effective date on this new page will be prior to the original effective date on the previously filed page. The currently effective page should be retained until the new material goes into effect.

The (y) footnote notifies the user that other material on this page was changed under a different transmittal and indicates the effective date for that material.

Additionally, the (S) coding to the right of the tariff text identifies all material which is being reissued, without change, prior to becoming effective.

Transmittal No. 988

Issued: June 16, 2003

Effective:

8 / 13 / 03

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TARIFF USERS GUIDE (Cont'd)

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GENERAL

This tariff contains rates and regulations applicable to Access Services.

TARIFF PAGE FORMAT

(Page 25 preceding contains an annotated sample tariff page.)

Page Numbering. Page numbers are located in the upper right corner of each tariff page. Pages for each tariff section are numbered sequentially. The page number shows the tariff section and its location in that section. For example, page 15-2 is the second page of Section 15. When a new page must be added between existing pages, a decimal and number is added to the previous page number, to sequentially number the new page. For example, a new page added between pages 7-18.1 and 7-18.2 would be numbered 7-18.1.1.

Page Revision Numbering. Page Revision Numbers are located in the upper right corner of each tariff page. This number is the most recent page revision on file with the FCC. Due to Notice Periods, and changed Effective Dates, the most recent page on file with the FCC may not be in effect. Consult the Page Effective Date on a specific page and Tariff Supplements to determine if that page is in effect (see Tariff Supplements, following).

Page Effective Date. The Page Effective Date in the lower right corner is the date the page is scheduled to go into effect (at 12:01 AM on that date). THIS DATE MAY BE CHANGED ON THE ASSOCIATION'S OWN INITIATIVE OR DUE TO FCC DIRECTIVE. THE PAGE EFFECTIVE DATE MAY THEN BE CHANGED BY EITHER REISSUING THE PAGE, OR BY ISSUING A TARIFF SUPPLEMENT TO CHANGE THE EFFECTIVE DATE WITHOUT REISSUING THE PAGE. A Tariff Supplement is usually used when many tariff pages are involved to avoid the necessity of reprinting and reissuing many pages solely to change the effective date.

(T)
(T)

1 2 2 2 0

Issued: November 16, 1999

Effective: December 1, 1999
Transmittal No. 845

Director - Access Tariffs
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ACCESS SERVICE

TARIFF USERS GUIDE (Cont'd)

TARIFF PAGE FORMAT (Cont'd)

Material Effective Date. For the most part, the Page Effective Date found in the lower right corner of the tariff page is the date material becomes effective. As described in Page Effective Date immediately preceding, this may not be the **case** if a Tariff Supplement **has** been issued in lieu of reprinting and reissuing many pages. The use of Other Marginal Codes also may be employed to modify the Material Effective Date. Such Other Marginal Codes, lower case letters of the alphabet, (e.g., x, y and **z**) are ordinarily found in the right margin and direct the **reader** to footnotes which may contain information concerning the effective **date** of the page **or** certain material found on the page. See page 27, preceding, **for** an example of the use of such other marginal codes.

In summary, (1) read footnotes since they may contain Material Effective Dates other than Page Effective Dates and (2) be aware of Tariff Supplements which may have changed Page Effective Dates en mass. Further on in this section, under the heading "Maintaining Your Tariff", is an explanation of how to keep all these dates straight.

Page Issue Date. The Issue Date in the lower left corner of each tariff page is the date that page was filed with the FCC.

Tariff Section Numbering. An alpha-numeric numbering plan is used to number tariff regulations and rates. **Each** level is subordinate to and dependent on its next higher level. An example **of** the numbering sequence follows:

- 6.
- 6.1
- 6.1.1
- 6.1.1(A)
- 6.1.1(A) (1)
- 6.1.1(A) **(1) (a)**
- 6.1.1(A) **(1) (a) (i)**

(TR 653)

Issued: January **30**, 1995

Effective: March 16, 1995

Director - Access Tariffs
100 So. Jefferson Rd., Whippany, **N.J.** 07981

JUL 6 1995

ACCESS SERVICE

TARIFF USERS GUIDE (Cont'd)TARIFF PAGE FORMAT (Cont'd)Tariff Revision Coding

Revisions to this tariff are coded through the use of symbols. These symbols are upper case letters of the alphabet and appear in the right margin of the page. The symbols and their meanings are set forth on page 43, following. An example of the use of such coding is set forth on page 26, (T) preceding.

Other marginal codes are used to direct the reader to a footnote for specific information. Codes used for this purpose are lower case letters of the alphabet, e.g., x, y and z. These codes may appear beside the page revision **number** or in the right margin opposite specific text. See page 26, (T) preceding, for an example of the use of such other marginal codes. (T)

TARIFF STRUCTURE AND ORGANIZATIONTariff Supplements

A Supplement may be filed with the FCC to cancel or suspend a tariff, impart other information such as Rate Adjustment Factors (**RAFs**), or under Special Authority, to change the effective date of tariff pages-or tariff material without reissuing or refiling the affected tariff pages.

A Supplement will briefly describe the action taken (e.g., suspension, deferral, effective date change, etc.) as well as indicate what tariff material, sections **or** pages are effected. (T)

The Supplements in effect are listed by number on the first Check Sheet, in the text at the top of that Check Sheet. When a Supplement is no longer needed, it will be deleted from the Check Sheet.

It is recommended that Supplements be placed in the front of the tariff, preceding the Title Page.

(TR 653)

Issued: January 30, 1995

Effective: March 16, 1995

Director - Access Tariffs
100 So. Jefferson Rd., Whippany, N.J. 07981

JUL 6 1995

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TARIFF USERS GUIDE (Cont'd)TARIFF STRUCTURE AND ORGANIZATION (Cont'd)Title Pages (Title Pages 1 through 68)

Title Page 1 provides information regarding the FCC number of the tariff, the class of service provided, the geographical application of the tariff, and the type of facilities used to provide service. This page also provides information related to the origination of the tariff.

Title Pages 2 through 68 list, in alphabetical order, Issuing Carriers. Issuing Carriers are those exchange telephone companies whose authority to provide and bill for Access Service is this tariff. In the case of this tariff, the carriers listed are those who participate in all National Exchange Carrier Association Tariff Pools. Additionally, Issuing Carriers have not filed their own tariffs for any element of Access Service.

Check Sheets (Page 1)

When new or revised tariff pages are filed with the FCC, revised and updated Check Sheets are also filed with the FCC.

The Check Sheets list all pages in the tariff as well as the most recent revision number of each page. When pages are changed or added, the Check Sheets are changed to reflect the change or addition. An asterisk (*) is placed next to revised or added pages to highlight the pages changed.

The Check Sheets list the most recent page revision filed with the FCC. They do not indicate that the latest revision is effective. The effective date on the tariff page itself and Tariff Supplements must be examined to determine page effectiveness. Furthermore, as explained in Material Effective Date preceding, footnotes may govern the effective date of certain material contained on the page. See page 28, preceding, for an example of such a footnote.

Table of Contents (Pages 2 through 21.1)

(T)

The Table of Contents lists the Sections and paragraphs of the Tariff and provides a page number at which that Section or paragraph begins.

Transmittal No. 1257

Issued: November 13, 2009

Effective: *April 14, 2010*Director - Access Tariffs
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TARIFF USERS GUIDE (Cont'd)

TARIFF STRUCTURE AND ORGANIZATION (Cont'd)

Other Carriers (Page 42)

In addition to Issuing Carriers, all Concurring, Connecting and Other Participating Carriers, are listed in the tariff. There are none in this tariff.

Symbols and Abbreviations (Pages 31, 43, 44 and 44.1)

A listing and explanation of tariff coding symbols and abbreviations used in the tariff are provided.

Technical Publications (Pages 45 through 52)

(T)

The status and availability of technical publications required for the provision of Access Service are provided. These technical publications are referenced throughout the tariff, in many cases in the form of footnotes.

Section 1 - Application of Tariff

States the application of the access service tariff.

Section 2 - General Regulations

States the general regulations that apply to the access services offered by this tariff.

Section 3 - Federal Universal Service Charge, ISDN Line Ports and DS1 Line Port and Section 4 - End User Access Service

States the regulations concerning Federal Universal Service Charge, ISDN Line Ports, DS1 Line Port, and End User Access Service, respectively.

Section 5 - Ordering Options

States the requirements of and regulations governing Access Orders and also the regulations concerning Access Orders when service is provided by multiple exchange carriers.

Transmittal No. 1403

Issued: November 7, 2013

Effective: November 22, 2013

Director - Access Tariffs
80 So. Jefferson Road, Whippany, NJ 07981

ACCESS SERVICE

TARIFF USERS GUIDE (Cont'd)

TARIFF STRUCTURE AND ORGANIZATION (Cont'd)

Section 6 - Switched Access Service

States the regulations governing the provision of Switched Access Service. This section is subdivided into General, Undertaking of the Telephone Company, Obligations of the Customer and Rate Regulations which relate to all Switched Access Services. In addition, this section contains subdivisions for the Description and Provision of each Switched Access Feature Group Service (e.g., FGA, FGB, FGC and FGD).

Section 7 - Special Access Service

States the regulations for Special Access Service. This section is subdivided into General, Rate Regulations and Surcharge For Special Access Service which relate to Special Access Services. In addition, there are subdivisions describing each of the seven Special Access classes of service (e.g., Metallic, Telegraph, Voice Grade, Program Audio, Video, Digital Data and High Capacity). There is also a subdivision for Individual Case Basis Filings (ICBs).

Section 8 - Digital Subscriber Line Access Services

States the regulations governing Digital Subscriber Line Access Services. This section contains subdivisions for the Description and Provision of each type of Digital Subscriber Line Access Service. Each subdivision, e.g., ADSL Access Service, is further subdivided into sections for General, Limitations, Undertaking of the Telephone Company, Obligations of the Customer and Rate Regulations.

(C)
 (N)
 |
 (N)

Section 9 - Directory Assistance Service

States the regulations governing Directory Assistance (DA) Service. This section is subdivided into General, Undertaking of the Telephone Company, Obligations of the Customer and Rate Regulations. Additionally, it explains and illustrates DA service when it is directly trunked and when provided in combination with Switched Access Service.

Section 10 - Special Federal Government Access Service

This section covers Special Access Services that are provided to a customer for use only by agencies or branches of the Federal Government and other users authorized by the Federal Government. Services provided to state emergency operations are included.

Section 11 - Special Facilities Routing of Access Services

This section covers Special Facilities Routing which involves access services which may be routed (1) via diverse routes in order to affect an added margin of protection and reliability in the event of facility outages (2) via routes avoiding specified geographical locations or (3) via cable only facilities.

(TR826)

Issued: March 17, 1999

Effective: April 1, 1999

ACCESS SERVICE

TARIFF USERS GUIDE (Cont'd)

TARIFF STRUCTURE AND ORGANIZATION (Cont'd)

Section 12 - Specialized Service or Arrangements

This section covers service or arrangements not offered under other sections of this tariff. When service or arrangements are furnished via this section, they are provided on an individual case basis (ICB).

Section 13 - Additional Engineering, Additional Labor and Miscellaneous Services

This section covers the regulations governing Additional Engineering, Additional Labor, Miscellaneous Services, Presubscription and Access Recovery Charge.

(C)
(C)

Section 14 - Exceptions to Access Service Offerings

This section is provided to identify those Issuing Carriers who do not provide certain categories of Access Service offered by this tariff.

Section 15 - Access Service Interfaces and Transmission Specifications

This section covers the technical specifications and service parameters of Access Services. Explains and lists Network Channel (NC) codes, Network Channel Interface (NCI) codes and Service Designator (SD) codes. Displays the technical specifications packages available with Special Access Service.

Section 16 - Public Packet Data Network

This section provides for Public Packet Data Network services and contains the terms and conditions and rate regulations pertaining to Frame Relay Access Service, Asynchronous Transfer Mode Cell Relay Access Service, Ethernet Transport Service, and Internet Protocol Gateway Access Service.

Section 17 - Rates and Charges

This section provides all the rates and charges for the Access Services contained in this tariff. It is organized by Common Line Access Service, Switched Access Service, Special Access Service and Other Services.

Transmittal No. 1347

Issued: June 18, 2012

Effective: July 3, 2012

Director - Access Tariffs
80 So. Jefferson Road, Whippany, NJ 07981

ACCESS SERVICE

TARIFF USERS GUIDE (Cont'd)

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MAINTAINING THE TARIFF

Maintaining a complete and up-to-date tariff can become quite complex, especially when there is a great deal of tariff revision activity underway. This complexity is increased when several revisions are made to the same tariff page(s) in a short period of time. It is also complicated by the use of Tariff Supplements to change dates, defer proposed revisions, et cetera.

A way of dealing with this complexity requires that each FCC Transmittal Letter and associated tariff pages be dealt with separately and sequentially, preferably as received. If several transmittal letters are received at one time, or several are to be dealt with at one time, it is still best to deal with them sequentially.

Following is an explanation of how filings are made, what they contain, and a suggested procedure for dealing with each Transmittal Letter. If Issuing Carriers have questions on Tariff Maintenance, the NECA Access Tariff Group should be contacted at (973) 884-8000 from within New Jersey and (800) 228-8597 from outside of New Jersey, or via electronic mail at Tariff5@neca.org.

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Filings Made with the Federal Communications Commission (FCC)

Whenever changes are required to any tariffs, a filing containing new or revised tariff pages must be made with the FCC. A copy of this filing, generally referred to as a "filing package", is sent to individuals on a predetermined NECA distribution list'.

Unless a given filing has a particular urgency, it usually will not be sent out the same day it is filed with the FCC, rather, it will be held at NECA until a filing requiring quick distribution is made, or several filings accumulate. This is done to reduce the number of mailings sent from NECA.

These filings will be sent to Issuing Carriers with a cover letter summarizing the filings and highlighting those of greater importance.

12-22-99

Issued: November 16, 1999

Effective: December 1, 1999
 Transmittal No. 845

Director - Access Tariffs
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TARIFF USERS GUIDE (Cont'd)MAINTAINING THE TARIFF (Cont'd)Filings Made with the Federal Communications Commission (FCC) (Cont'd)

Each FCC tariff filing package will typically consist of at least three parts:

- A transmittal letter from NECA to the FCC, required with such filings. This is usually a one or two page letter constructed to comply with FCC Rules, summarizing the filings.
- One or more "Check Sheets", which are pages of the tariff, showing the current revision numbers of all pages. On each tariff page, this revision number is located in the upper right hand corner, e.g., "13th Revised Page 6-6".
- One or more revised tariff pages, which carry the revision number listed on the enclosed check sheets, and has an Effective Date in the lower right corner of the page. The Issue Date in the lower left corner is the date the revision was filed with the FCC.

In addition to or in place of revised tariff pages, a Supplement page may be received. This page can be identified by the words "Supplement No. X to Tariff F.C.C. No. X" in the upper right corner. (Note: Supplements that are effective are listed by number, on check sheet page 1, in the text, directly under the heading CHECK SHEET.)

(T)

Check sheets, other tariff pages and supplements are part of the tariff and must be filed in the tariff to keep it current. Check sheets and other numbered pages should be inserted into the tariff in their appropriate locations. It is recommended that supplement pages be filed in the front of the tariff, preceding the Title Page.

Transmittal No. 1218

Issued: August 15, 2008

Effective: August 30, 2008

Director - Access Tariffs
80 So. Jefferson Road, Whippany, NJ 07981

ACCESS SERVICE

TARIFF USERS GUIDE (Cont'd)

MAINTAINING THE TARIFF (Cont'd)

Keeping The Tariff Current

- 1. It is recommended that one filing package (transmittal letter, check sheets, tariff pages, or supplement) be handled at a time. If there are two or more filing packages that must be added to the tariff, start with the lowest numbered transmittal first and work up.

For example, if transmittal letters Nos. 19, 20 and 21 are received at the same time, work with 19 first, then 20, then 21.

- 2. **For** each filing package, compare the revised Tariff Check Sheets with each enclosed Tariff Page to determine that the revision number on the check sheet(s) coincides with the tariff page. The Page 1 Check Sheet, which is issued with each **FCC** Transmittal Letter (the letter to the **FCC** signed by the Director-Access Tariffs), provides the latest revision number of each check sheet. The check sheets include the latest revision number of all subsequent tariff pages. An asterisk (*), indicating a new **or revised** page, next to page numbers/revision numbers on the check sheets indicates which tariff pages are included with each transmittal. (T)
(T)
(T)
(T)

For example, if the Check Sheet indicates that Tariff Page No. 6-7 is the 5th Revision, it should **be** in the package received. Other revisions may exist in the tariff, **4th, 3rd, 2nd**, etc., don't discard them yet. (T)

- 3. Examine the Effective Date in the lower right hand corner of the most recently revised Tariff Pages. If the date is in the future, the tariff page is pending and not yet effective. (T)
(T)

For example, if 5th Revised Page 6-7 has an Effective Date of February 1, 1989, and it is January 15, 1989, that page is not yet effective. This is not the case with check sheets. The check sheet Revision Number is the important thing, since each succeeding check sheet supersedes the previous one, regardless of its effective date. (T)

(TR 653)

Issued: January 30, 1995

Effective: March 16, 1995

Director - Access Tariffs
100 So. Jefferson Rd., Whippany, N.J. 07981

JUL 6 1995

ACCESS SERVICE

TARIFF USERS GUIDE (Cont'd)

MAINTAINING THE TARIFF (Cont'd)

Keeping The Tariff Current (Cont'd)

4. If the Effective Date of a revised tariff page is in the future, examine the Effective Date of the previously revised tariff page to determine if the tariff page is in effect or is pending. If the Effective Date has passed and notification has not been received to the contrary (see item 6 following), the tariff page is in effect. If this is the case, discard any previous revisions which may exist since they have been superseded. (T) (T) (T) (T)

For example, if 4th Revised Page 6-6 has an Effective Date of January 1, 1989, and it is January 15, 1989, it is not necessary to retain copies of 3rd, 2nd, 1st revisions of Page 6-6. Recent Supplements should be checked to see if effective dates have been deferred.

If the Effective Date of the 4th Revised Page has not passed, examine the 3rd revised page, and any previously revised pages, until arriving at a page that carries a date that has passed. It is possible to have more than one revised page pending. (For example, 1st Revised Page 7-14 has an Effective Date of January 1, 1989, 2nd Revised is February 1, 1989, 3rd Revised is March 1, 1989, etc.) See Step 6 following regarding the changing of Effective Dates. (T) (T) (T) (T)

5. Pending tariff pages need **not be** filed in the tariff until they become effective. This will require that an "update file" be established by effective dates for pending pages. (T)

A way to keep pending (not yet effective) pages segregated but still a part of the tariff, is to punch holes in the right margin and file them in the tariff backwards, facing the effective page to be replaced. Then periodically, or when a new FCC Transmittal is received, replace superseded pages with effective pages. This also provides a convenient way to see what changes are pending. (T)

(TR 653)

Issued: January 30, 1995

Effective: March 16, 1995

Director - Access Tariffs
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JUL 6 1995

ACCESS SERVICE

TARIFF USERS GUIDE (Cont'd)MAINTAINING THE TARIFF (Cont'd)Keeping The Tariff Current (Cont'd)

6. There are several ways of changing the effective date of a tariff page.
- If only a few pages require new effective dates, the pages may be reissued with revised effective dates.
 - When a change in the effective date of multiple tariffs is required a Tariff Supplement may be issued. Supplements are numbered sequentially. These supplements are an integral part of the tariff and it is suggested that they be filed in the front of the tariff, preceding the Title Page. The status of each Supplement is also given on Page 1, the first Check Sheet. Effective supplement numbers are given in the text near the top of the page, just under the heading CHECK SHEET.

The supplement will explain what material or pages are affected by the supplement's action and give the new dates and action involved. To keep track of dates changed by a supplement, it is suggested that the effective date printed on the affected tariff pages have a line drawn through it, with the new date written just below it. An explanatory note, such as "Supp. #10", written next to the new date.

What To Do When Everything Else Fails

1. If a tariff has become outdated and does not contain all of the current effective or pending pages, there is a method to make it current.
2. Make sure that you have the latest revision of the first page of the check sheet. Issuing Carriers can determine the number of the latest revision by visiting the NECA website (www.neca.org/member-services/tariff-5) and clicking on "Recent Filings". Both pending and recently effective pages may be viewed and printed as needed. (T)

Transmittal No. 1642

Issued: September 16, 2021

Effective: October 1, 2021

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TARIFF USERS GUIDE (Cont'd)MAINTAINING THE TARIFF (Cont'd)What To Do When Everything Else Fails (Cont'd)

3. If you have the latest revision of Check Sheet, Page 1, examine the other check sheets to determine that they are the latest revisions. The latest revision number of all the other check sheets is given on Check Sheet, Page 1.
4. Working from the latest revision of the check sheets, verify that each page has the same revision number as that given on the check sheets. If several revisions of the same page exist, do not discard.

If the latest revision listed cannot be found, or if pages are missing, or if a page in the tariff contains the incorrect revision date, view the tariff on-line (www.neca.org/member-services/tariff-5).

Click on "Recent Filings" to view the chart of all pending and recently effective tariff revisions. Print any pages that you are missing.

(T)

5. If the revision number corresponds with the check sheet, examine the effective date in the lower right-hand corner. Verify that the material has not been deferred or rejected by issuance of a more recent page revision or supplement. If the date has passed and notification has not been received to the contrary, that page is effective and all previous revisions may be discarded.

If the effective date has not been reached, the page is pending and a previous revision is in effect. Examine the next previous revision to see if its effective date has passed, or if it is pending. It may be necessary to examine several previously revised pages, since there may be more than one page pending. Upon reaching the currently effective page, all previous revisions may be discarded.

6. At this point, all effective and pending pages should be in the tariff.

Transmittal No. 1642

Issued: September 16, 2021

Effective: October 1, 2021

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ACCESS SERVICE

CONCURRING CARRIERS

NO CONCURRING CARRIERS

CONNECTING CARRIERS

NO CONNECTING CARRIERS

OTHER PARTICIPATING CARRIERS

NO OTHER PARTICIPATING CARRIERS

REGISTERED SERVICE MARKS

NONE

REGISTERED TRADEMARKS

NONE

(x) Issued to reflect new corporate address.

Transmittal No. 855

Issued: February 23, 2000

Effective: March 9, 2000

Director - Access Tariffs
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EXPLANATION 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
- ARC - Access Recovery Charge
- ATM - Asynchronous Transfer Mode
- ATM-CRS - Asynchronous Transfer Mode Cell Relay Access Service
- BHMC - Busy Hour Minutes of Capacity
- BIAS - Broadband Internet Access Service
- CBOL - Consumer Broadband-Only Loop
- CBR - Constant Bit Rate
- CCS - Common Channel Signaling
- CDP - Customer Designated Premises
- CI - Channel Interface
- CIR - Committed Information Rate
- CN - Charge Number
- CNP - Charge Number Parameter
- CO - Central Office
- Cont'd - Continued
- CoS - Class of Service
- 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 0
- dc - direct current
- DDD - Direct Distance Dialing
- DSL - Digital Subscriber Line

(N)

Transmittal No. 1542

Issued: March 19, 2018

Effective: April 3, 2018

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EXPLANATION OF ABBREVIATIONS (Cont'd)

EAS	-	Extended Area Service	
EDD	-	Envelope Delay Distortion	
EML	-	Expected Measured Loss	
EPL	-	Echo Path Loss	
ERL	-	Echo Return Loss	
ESALT	-	Ethernet Switched Access Local Transport	(N)
ESS	-	Electronic Switching System	
ESSX	-	Electronic Switching System Exchange	
ETS	-	Ethernet Transport Service	
EVC	-	Ethernet Virtual Connection	
E-EVC	-	Extended Ethernet Virtual Connection	
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	
I-EVC	-	Interconnected Ethernet Virtual Connection	
IP	-	Internet Protocol	
IPG	-	Internet Protocol Gateway Access Service	
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	
LBR-VCC	-	Low Bit Rate-Virtual Circuit Channel	
LNP	-	Local Number Portability	
LRN	-	Location Routing Number	
ma	-	milliamperes	
Mbps	-	Megabits per second	
mcs	-	Microsecond	
MHz	-	Megahertz	
MM-VCC	-	MultiMedia Virtual Circuit Channel	
MRC	-	Monthly Recurring Charge	
MT	-	Metallic	
MTS	-	Message Telecommunications Service(s)	

Transmittal No. 1403

Issued: November 7, 2013

Effective: November 22, 2013

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EXPLANATION OF ABBREVIATIONS (Cont'd)

NNI	-	Network to Network Interface	
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	
PSTN		Public Switched Telephone Network	(N)
PVC	-	Permanent Virtual Connection	
SAC	-	Service Access Code	
SDSL	-	Symmetric Digital Subscriber Line	
SNAL	-	Signaling Network Access Line	
SONET	-	Synchronous Optical Network	
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	
TDM		Time Division Multiplexing	(N)
TG	-	Telegraph Grade	
TLP	-	Transmission Level Point	
TV	-	Television	
UBR	-	Unspecified Bit Rate	
UNI	-	User Network Interface	
V & H	-	Vertical & Horizontal	
VBR-nrt	-	Variable Bit Rate - non-real time	
VBR-rt	-	Variable Bit Rate - real time	
VCC	-	Virtual Circuit Channel	
VG	-	Voice Grade	
VP	-	Virtual Path	
WATS	-	Wide Area Telecommunications Service(s)	
WSC	-	Wireless Switching Center	
WSO	-	WATS Serving Office	

Transmittal No. 1328

Issued: December 14, 2011

Effective: December 29, 2011

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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.
Special Construction
Tariff F.C.C. No. 3

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

REFERENCE TO TECHNICAL PUBLICATIONS

The following technical publications are referenced in this tariff and may be obtained from Ericsson (from formerly Telcordia Technologies, Inc. dba iconectiv), 233 Mount Airy Road, Basking Ridge, N.J. 07920 (<http://telecom-info.njdepot.ericsson.net>).

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Technical Reference:

GR-253-CORE Issue 5 Synchronous Optical Network (SONET)
Transport Systems: Common Generic Criteria
Issued: October, 2009

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

PUB 62310 (MDP-326-726) Digital Data System Channel Interface
Specification
Issued: September 1983

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

Transmittal No. 1627

Issued: February 16, 2021

Effective: March 3, 2021

Senior Director - Access Tariffs & Costs
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REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

- GR-334-CORE Issue 1 Switched Access Service:
Transmission Parameter Limits and Interface Combinations
Issued: June 1994
- 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: October 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 Parameters Limits and Interface Combinations
Issued: December 1995
- SR-307 Common Language NC/NCI Dictionary
Issued: Issue 7, September 2008
- GR-506-CORE, Issue 3 Signaling for Analog Interfaces (LSSGR) (T)
Issued: December 2011 (T)
- GR-54-CORE, Issue 1 DS1 High Capacity Digital Service
End User Metallic Interface Specifications
Issued: December 1995
- GR-905-CORE, Issue 13 Common Channel Signaling Network Interface
Specification
Available: December 2010
- TR-TSV-001370 Generic Requirements for Exchange Access Frame Relay
PVC Service
Issued: Issue 1, May 1993
- GR-394-CORE Issue 8 Switching System Generic Requirements for
Interexchange Carrier Interconnection Using the Integrated
Services Digital Network User Part (ISDNUP)
Issued: December 2007

Transmittal No. 1333

Issued: January 17, 2012

Effective: February 1, 2012

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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

ST-TEC-000053 Telecommunications Transmission Engineering
Volume 3 - Networks and Services (Chapters 6 and 7)
Third Edition
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 Tariff Development, 60 Columbia Road, Bldg. A - 2nd Fl., Morristown, NJ 07960 and the Federal Communications Commission's commercial contractor. (T)

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

The following publication is referenced in this tariff and may be obtained from the Department of Homeland Security Office of Emergency Communications Priority Telecommunications Service Center at 866-627-2255 or <https://www.cisa.gov/publication/tsp-documents>.

Office of Emergency Communications Telecommunications Service Priority Operations Guide

Issued: December 2016

Transmittal No. 1642

Issued: September 16, 2021

Effective: October 1, 2021

Senior Director - Access Tariffs & Costs
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REFERENCE TO TECHNICAL 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 N.W., Suite 500, Washington, DC 20005 (www.atis.org).

ATIS-0900102.1993 (R2010), Digital Hierarchy - Electrical Interfaces.

ATIS-0900105.2008, Synchronous Optical Network (SONET) - Basic Description including Multiplex Structure, Rates and Formats.

ATIS-1000602.1996 (R2009), Integrated Services Digital Network (ISDN) - Data-Link Layer Signaling Specification for Application at the User-Network Interface.

ATIS-1000618.1991 (R2008), Integrated Services Digital Network (ISDN) - Core Aspects of Frame Protocol for Use with Frame Relay Bearer Service.

ATIS-0600413.2009, Network To Customer Installation Interfaces - Asymmetric Digital Subscriber Line (ADSL) Metallic Interface.

Multiple Exchange Carrier Access Billing (MECAB) Guidelines
Issued: September 2010

Multiple Exchange Carrier Ordering and Design (MECOD) Guidelines
Issued: September 2009

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Certain material currently found on this page previously appeared on 12th Revised Page 49.

Transmittal No. 1333

Issued: January 17, 2012

Effective: February 1, 2012

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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, Piscataway, NJ 08854-4141 (www.ieee.org).

IEEE Std 802-2014 - IEEE Standard for Local and Metropolitan Area Networks: Overview and Architecture.

IEEE Std. 802.1D - 2004, Local and Metropolitan Area Networks Media Access Control (MAC) Bridges, Sections 7, 9, 17 and Annex G.

IEEE Std. 802.1Q - 2018, Local and Metropolitan Area Networks Virtual Bridged Local Area Networks, Sections 5 through 12 and Annexes E and G.

IEEE Std. 802.3 - 2022, IEEE Standards for Ethernet - Specific Requirements, Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications, Sections 1 through 5. (T)

IEEE Std 802.11-2016 - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications.

IEEE Std 802.16-2017 - IEEE Standard for Air Interface for Broadband Wireless Access Systems.

IEEE Std 802.22-2011 - Part 22: Cognitive Wireless RAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications: Policies and Procedures for Operation in the TV Bands.

The following IP/MPLS technical publications are referenced in this tariff and may be obtained from the Broadband Forum, 48377 Fremont Blvd. Suite 117, Fremont, CA 94538 (www.broadband-forum.org).

The ATM Forum Technical Committee, ATM User-Network Interface (UNI) Signaling Specification, Version 4.1, af-sig-0061.002, April, 2002.

The ATM Forum Technical Committee, BISDN Inter Carrier Interface (B-ICI) Specification, Version 2.0 (Integrated), af-bici-0013.003, December, 1995.

The ATM Forum Technical Committee, Private Network - Network Interface Specification, Version 1.1 (PNNI 1.1) af-pnni-0055.002, April, 2002.

Transmittal No. 1675

Issued: October 17, 2022

Effective: November 1, 2022

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REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

The following technical publications are referenced in this tariff and may be viewed online without charge on the Internet Engineering Task Force web site (www.ietf.org) using the "RFC Pages" link.

Request For Comments (RFC) 791, Internet Protocol, DARPA Internet Program Protocol Specification, September 1981.

Request For Comments (RFC) 1483, Multiprotocol Encapsulation over ATM Adaptation Layer 5, July 1993.

Request for Comments (RFC) 3261, SIP: Session Initiation Protocol, June 2002.

Request for Comments (RFC) 3262, Reliability of Provisional Responses in the Session Initiation Protocol (SIP), June 2002.

Request for Comments (RFC) 3263, Session Initiation Protocol (SIP): Locating SIP Servers, June 2002.

Request for Comments (RFC) 3264, An Offer/Answer Model with the Session Description Protocol (SDP), June 2002.

Request for Comments (RFC) 3265, Session Initiation Protocol (SIP) - Specific Event Notification, June 2002.

Request for Comments (RFC) 3550, RTP: A Transport Protocol for Real-Time Applications, July 2003.

The following technical publications are referenced in this tariff and may be obtained from the International Telecommunication Union Telecommunication Standardization Sector (ITU-T) Place des Nations, 1211 Geneva 20, Switzerland (www.itu.int/rec/T-REC-G/e).

ITU-T G.711 - November 1988, Pulse Code Modulation (PCM) of Voice Frequencies.

ITU-T G.723.1 - May 2006, Dual Rate Speech Coder for Multimedia Communications Transmitting at 5.3 and 6.3 kbit/s.

ITU-T G.729 - June 2012, Coding of Speech at 8 kbit/s Using Conjugate-Structure Algebraic-Code-Excited Linear Prediction (CS-ACELP). (T)

ITU-T G.7041/Y.1303 - August 2016, Generic Framing Procedure (GFP). (T)

Transmittal No. 1554

Issued: August 17, 2018

Effective: September 1, 2018

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REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

ITU-T G.983.1-January 2005, Broadband Optical Access Systems Based on Passive Optical Networks (PON).

ITU-T G.983.2-July 2005, ONT Management and Control Interface Specification for B-PON.

ITU-T G.983.3-March 2001, A Broadband Optical Access System with Increased Service Capability by Wavelength Allocation.

ITU-T G.983.4-November 2001, A Broadband Optical Access System with Increased Service Capability Using Dynamic Bandwidth Assignment.

ITU-T G.984.1-March 2008, Gigabit-Capable Passive Optical Networks (GPON): General Characteristics.

ITU-T G.984.2-March 2003, Gigabit-Capable Passive Optical Networks (GPON): Physical Media Dependent (PMD) Layer Specification.

ITU-T G.984.3-January 2014, Gigabit-Capable Passive Optical Networks (GPON): Transmission Convergence Layer Specification. (T)

ITU-T G.984.4-February 2008, Gigabit-Capable Passive Optical Networks (GPON): ONT Management and Control Interface Specification.

ITU-T G.992.1-June 1999, Asymmetric Digital Subscriber Line (ADSL) Transceivers.

ITU-T G.992.3-April 2009, Asymmetric Digital Subscriber Line Transceivers 2 (ADSL2). (T)

ITU-T G.992.4-July 2002, Splitterless Asymmetric Digital Subscriber Line Transceivers 2 (Splitterless ADSL2).

Transmittal No. 1554

Issued: August 17, 2018

Effective: September 1, 2018

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REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

ITU-T G.992.5-January 2009, Asymmetric Digital Subscriber Line (ADSL) Transceivers-Extended Bandwidth ADSL2 (ADSL2+). (T)

ITU-T G.993.1-June 2004, Very High Speed Digital Subscriber Line Transceivers 2. (N)
(N)

ITU-T G.993.2-January 2015, Very High Speed Digital Subscriber Line Transceivers 2 (VDSL2). (T)

ITU-T G.8040/Y.1340 - September 2005, GFP Frame Mapping into Plesiochronous Digital Hierarchy (PDH).

ITU-T G.9700-April 2014, Fast Access to Subscriber Terminals (G.fast)-Power Spectral Density Specification.

ITU-T G.9701-December 2014, Fast Access to Subscriber Terminals (G.fast)-Physical Layer Specification.

The following technical publications are referenced in this tariff and maybe obtained from the International Telecommunications Union Telecommunication Standardization Sector (ITU-T) Place des Nations, 1211 Geneva 20, Switzerland (www.itu.int/rec/T-Rec-H/e).

ITU-T H.225.0 - December 2009, Call Signalling Protocols and Media Stream Packetization for Packet-Based Multimedia Communication Systems. (T)

ITU-T H.245 - May 2011, Control Protocol for Multimedia Communication. (T)

ITU-T H.323 - December 2009, Packet-Based Multimedia Communications Systems. (T)

Transmittal No. 1554

Issued: August 17, 2018

Effective: September 1, 2018

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(N)

REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

The following technical publications are referenced in this tariff and may be obtained from the International Telecommunication Union Telecommunication Standardization Sector (ITU-T) Place des Nations, 1211 Geneva 20, Switzerland (www.itu.int/rec/T-REC-I/e).

ITU-CCITT I.233.1-1992, Integrated Services Digital Network (ISDN) General Structure and Service Capabilities, Frame Mode Bearer Services

ITU-CCITT I.233.2-1992, Integrated Services Digital Network (ISDN) General Structure and Service Capabilities, ISDN Frame Switching Bearer Service.

ITU-CCITT I.370-1991, Integrated Services Digital Network (ISDN) Overall Network Aspects and Functions, ISDN User-Network Interfaces, Congestion Management for the ISDN Frame Relaying Bearer Service.

The following technical publications are referenced in this tariff and may be obtained from the International Telecommunication Union Telecommunication Standardization Sector (ITU-T) Place des Nations, 1211 Geneva 20, Switzerland (www.itu.int/rec/T-REC-Q/e).

ITU-T Q.933-February 2003, Series Q: Switching and Signalling Digital Subscriber Signalling System No.1 - Network Layer, ISDN Digital Subscriber Signalling System No.1 (DSS1) - Signalling Specifications from Frame Mode Switched and Permanent Virtual Connection Control and Status Monitoring.

(N)

Transmittal No. 1231

Issued: January 16, 2009

Effective: *March 26, 2009*

Director - Access Tariffs
80 So. Jefferson Road, Whippany, NJ 07981

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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 Metro Ethernet Forum (MEF) 6033 W. Century Boulevard, Suite 1107, Los Angeles, CA 90045 (www.metroethernetforum.org).

Implementation Agreement MEF 23.1, Carrier Ethernet Class of Service - Phase 2, January 2012.

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Transmittal No. 1403

Issued: November 7, 2013

Effective: November 22, 2013

Director - Access Tariffs
80 So. Jefferson Road, Whippany, NJ 07981