



**INTERNATIONAL STANDARD ISO/IEC/IEEE 8802-1AC:2018**  
**TECHNICAL CORRIGENDUM 1**

Published 2020-03



INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION  
INTERNATIONAL ELECTROTECHNICAL COMMISSION • МЕЖДУНАРОДНАЯ ЭЛЕКТРОТЕХНИЧЕСКАЯ КОМИССИЯ • COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

**Telecommunications and exchange between information  
technology systems — Requirements for local and metropolitan  
area networks —**

**Part 1AC:  
Media access control (MAC) service definition**

TECHNICAL CORRIGENDUM 1: Logical Link Control (LLC) Encapsulation EtherType

*Télécommunications et échange entre systèmes informatiques -- Exigences pour les réseaux locaux et  
métropolitains —*

*Partie 1AC: Définition du service de contrôle d'accès au support (MAC)*

*RECTIFICATIF TECHNIQUE 1*

Technical Corrigendum 1 to ISO/IEC/IEEE 8802-1AC:2018 was prepared by the LAN/MAN of the IEEE Computer Society (as IEEE Std 802.1AC-2016/Cor 1-2018) and drafted in accordance with its editorial rules. It was adopted, under the "fast track procedure" defined in the Partner Standards Development Organization cooperation agreement between ISO and IEEE, by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 6, *Telecommunications and information exchange between systems*.

IECNORM.COM : Click to view the full PDF of ISO/IEC/IEEE 8802-1AC:2018/COR1:2020

**IEEE Std 802.1AC™-2016/Cor 1-2018**  
(Corrigenda to IEEE Std 802.1AC-2016)

**IEEE Standard for  
Local and Metropolitan Area Networks—**

**Media Access Control (MAC) Service  
Definition**

**Corrigendum 1: Logical Link Control (LLC)  
Encapsulation EtherType**

Sponsor  
**LAN/MAN Standards Committee  
of the  
IEEE Computer Society**

Approved 27 September 2018

**IEEE-SA Standards Board**

IECNORM.COM : Click to view the full PDF of ISO/IEC/IEEE 8802-1AC:2018/COR1:2020

**Abstract:** This corrigendum to IEEE Std 802.1AC™-2016 corrects the value of the LLC Encapsulation EtherType.

**Keywords:** IEEE 802®, IEEE 802.1AC™, Internal Sublayer Service, ISS, LAN, local area network, MAC Service, MAN, metropolitan area network

---

The Institute of Electrical and Electronics Engineers, Inc.  
3 Park Avenue, New York, NY 10016-5997, USA

Copyright © 2018 by The Institute of Electrical and Electronics Engineers, Inc.  
All rights reserved. Published 9 November 2018. Printed in the United States of America.

IEEE and 802 are registered trademarks in the U.S. Patent & Trademark Office, owned by The Institute of Electrical and Electronics Engineers, Incorporated.

PDF: ISBN 978-1-5044-5238-0 STD23359

*IEEE prohibits discrimination, harassment and bullying.*

*For more information, visit <http://www.ieee.org/web/aboutus/whatis/policies/p9-26.html>.*

*No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher.*

## Important Notices and Disclaimers Concerning IEEE Standards Documents

IEEE documents are made available for use subject to important notices and legal disclaimers. These notices and disclaimers, or a reference to this page, appear in all standards and may be found under the heading “Important Notices and Disclaimers Concerning IEEE Standards Documents.” They can also be obtained on request from IEEE or viewed at <http://standards.ieee.org/ipr/disclaimers.html>.

## Notice and Disclaimer of Liability Concerning the Use of IEEE Standards Documents

IEEE Standards documents (standards, recommended practices, and guides), both full-use and trial-use, are developed within IEEE Societies and the Standards Coordinating Committees of the IEEE Standards Association (“IEEE-SA”) Standards Board. IEEE (“the Institute”) develops its standards through a consensus development process, approved by the American National Standards Institute (“ANSI”), which brings together volunteers representing varied viewpoints and interests to achieve the final product. IEEE Standards are documents developed through scientific, academic, and industry-based technical working groups. Volunteers in IEEE working groups are not necessarily members of the Institute and participate without compensation from IEEE. While IEEE administers the process and establishes rules to promote fairness in the consensus development process, IEEE does not independently evaluate, test, or verify the accuracy of any of the information or the soundness of any judgments contained in its standards.

IEEE Standards do not guarantee or ensure safety, security, health, or environmental protection, or ensure against interference with or from other devices or networks. Implementers and users of IEEE Standards documents are responsible for determining and complying with all appropriate safety, security, environmental, health, and interference protection practices and all applicable laws and regulations.

IEEE does not warrant or represent the accuracy or content of the material contained in its standards, and expressly disclaims all warranties (express, implied and statutory) not included in this or any other document relating to the standard, including, but not limited to, the warranties of: merchantability; fitness for a particular purpose; non-infringement; and quality, accuracy, effectiveness, currency, or completeness of material. In addition, IEEE disclaims any and all conditions relating to: results; and workmanlike effort. IEEE standards documents are supplied “AS IS” and “WITH ALL FAULTS.”

Use of an IEEE standard is wholly voluntary. The existence of an IEEE standard does not imply that there are no other ways to produce, test, measure, purchase, market, or provide other goods and services related to the scope of the IEEE standard. Furthermore, the viewpoint expressed at the time a standard is approved and issued is subject to change brought about through developments in the state of the art and comments received from users of the standard.

In publishing and making its standards available, IEEE is not suggesting or rendering professional or other services for, or on behalf of, any person or entity nor is IEEE undertaking to perform any duty owed by any other person or entity to another. Any person utilizing any IEEE Standards document, should rely upon his or her own independent judgment in the exercise of reasonable care in any given circumstances or, as appropriate, seek the advice of a competent professional in determining the appropriateness of a given IEEE standard.

IN NO EVENT SHALL IEEE BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO: PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE PUBLICATION, USE OF, OR RELIANCE UPON ANY STANDARD, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE AND REGARDLESS OF WHETHER SUCH DAMAGE WAS FORESEEABLE.

## Translations

The IEEE consensus development process involves the review of documents in English only. In the event that an IEEE standard is translated, only the English version published by IEEE should be considered the approved IEEE standard.

## Official statements

A statement, written or oral, that is not processed in accordance with the IEEE-SA Standards Board Operations Manual shall not be considered or inferred to be the official position of IEEE or any of its committees and shall not be considered to be, or be relied upon as, a formal position of IEEE. At lectures, symposia, seminars, or educational courses, an individual presenting information on IEEE standards shall make it clear that his or her views should be considered the personal views of that individual rather than the formal position of IEEE.

## Comments on standards

Comments for revision of IEEE Standards documents are welcome from any interested party, regardless of membership affiliation with IEEE. However, IEEE does not provide consulting information or advice pertaining to IEEE Standards documents. Suggestions for changes in documents should be in the form of a proposed change of text, together with appropriate supporting comments. Since IEEE standards represent a consensus of concerned interests, it is important that any responses to comments and questions also receive the concurrence of a balance of interests. For this reason, IEEE and the members of its societies and Standards Coordinating Committees are not able to provide an instant response to comments or questions except in those cases where the matter has previously been addressed. For the same reason, IEEE does not respond to interpretation requests. Any person who would like to participate in revisions to an IEEE standard is welcome to join the relevant IEEE working group.

Comments on standards should be submitted to the following address:

Secretary, IEEE-SA Standards Board  
445 Hoes Lane  
Piscataway, NJ 08854 USA

## Laws and regulations

Users of IEEE Standards documents should consult all applicable laws and regulations. Compliance with the provisions of any IEEE Standards document does not imply compliance to any applicable regulatory requirements. Implementers of the standard are responsible for observing or referring to the applicable regulatory requirements. IEEE does not, by the publication of its standards, intend to urge action that is not in compliance with applicable laws, and these documents may not be construed as doing so.

## Copyrights

IEEE draft and approved standards are copyrighted by IEEE under U.S. and international copyright laws. They are made available by IEEE and are adopted for a wide variety of both public and private uses. These include both use, by reference, in laws and regulations, and use in private self-regulation, standardization, and the promotion of engineering practices and methods. By making these documents available for use and adoption by public authorities and private users, IEEE does not waive any rights in copyright to the documents.

## Photocopies

Subject to payment of the appropriate fee, IEEE will grant users a limited, non-exclusive license to photocopy portions of any individual standard for company or organizational internal use or individual, non-commercial use only. To arrange for payment of licensing fees, please contact Copyright Clearance Center, Customer Service, 222 Rosewood Drive, Danvers, MA 01923 USA; +1 978 750 8400. Permission to photocopy portions of any individual standard for educational classroom use can also be obtained through the Copyright Clearance Center.

## Updating of IEEE Standards documents

Users of IEEE Standards documents should be aware that these documents may be superseded at any time by the issuance of new editions or may be amended from time to time through the issuance of amendments, corrigenda, or errata. A current IEEE document at any point in time consists of the current edition of the document together with any amendments, corrigenda, or errata then in effect.

Every IEEE standard is subjected to review at least every ten years. When a document is more than ten years old and has not undergone a revision process, it is reasonable to conclude that its contents, although still of some value, do not wholly reflect the present state of the art. Users are cautioned to check to determine that they have the latest edition of any IEEE standard.

In order to determine whether a given document is the current edition and whether it has been amended through the issuance of amendments, corrigenda, or errata, visit the IEEE-SA Website at <http://ieeexplore.ieee.org> or contact IEEE at the address listed previously. For more information about the IEEE SA or IEEE's standards development process, visit the IEEE-SA Website at <http://standards.ieee.org>.

## Errata

Errata, if any, for all IEEE standards can be accessed on the IEEE-SA Website at the following URL: <http://standards.ieee.org/findstds/errata/index.html>. Users are encouraged to check this URL for errata periodically.

## Patents

Attention is called to the possibility that implementation of this standard may require use of subject matter covered by patent rights. By publication of this standard, no position is taken by the IEEE with respect to the existence or validity of any patent rights in connection therewith. If a patent holder or patent applicant has filed a statement of assurance via an Accepted Letter of Assurance, then the statement is listed on the IEEE-SA Website at <http://standards.ieee.org/about/sasb/patcom/patents.html>. Letters of Assurance may indicate whether the Submitter is willing or unwilling to grant licenses under patent rights without compensation or under reasonable rates, with reasonable terms and conditions that are demonstrably free of any unfair discrimination to applicants desiring to obtain such licenses.

Essential Patent Claims may exist for which a Letter of Assurance has not been received. The IEEE is not responsible for identifying Essential Patent Claims for which a license may be required, for conducting inquiries into the legal validity or scope of Patents Claims, or determining whether any licensing terms or conditions provided in connection with submission of a Letter of Assurance, if any, or in any licensing agreements are reasonable or non-discriminatory. Users of this standard are expressly advised that determination of the validity of any patent rights, and the risk of infringement of such rights, is entirely their own responsibility. Further information may be obtained from the IEEE Standards Association.

## Participants

At the time this amendment was submitted to the IEEE-SA Standards Board for approval, the IEEE 802.1 Working Group had the following membership:

**Glenn Parsons, Chair**

**John Messenger, Vice Chair and Chair, Maintenance Task Group, Editor**

Ralf Assmann	Marina Gutierrez	Maximilian Riegel
Shenghua Bao	Stephen Haddock	Jessy V. Rouyer
Jens Bierschenk	Mark Hantel	Atsushi Sato
Steinar Bjornstad	Marc Holness	Frank Schewe
Christian Boiger	Lokesh Kabra	Michael Seaman
Paul Bottorff	Michael Karl	Johannes Specht
Radhakrishna Canchi	Stephan Kehrer	Patricia Thaler
David Chen	Hajime Koto	Paul Unbehagen
Feng Chen	Christophe Mangin	Hao Wang
Weiyang Cheng	Scott Mansfield	Tongtong Wang
Paul Congdon	James McIntosh	Xinyuan Wang
Rodney Cummings	Tero Mustala	Karl Weber
Hesham Elbakoury	Tomoki Ohsawa	Brian Weis
Janos Farkas	Donald R. Pannell	Ludwig Winkel
Norman Finn	Walter Pieniac	Jordon Woods
Geoffrey Garner	Michael Potts	Takahiro Yamaura
Eric W. Gray	Wei Qiu	Xiang Yu
Craig Gunther	Karen Randall	Nader Zein

The following members of the individual balloting committee voted on this corrigenda. Balloters may have voted for approval, disapproval, or abstention.

Thomas Alexander	Werner Hoelzl	Bansi Patel
Butch Anton	Russell Housley	Clinton Powell
Stefan Aust	Noriyuki Ikeuchi	Alon Regev
Harry Bims	Atsushi Ito	Maximilian Riegel
Christian Boiger	Raj Jain	Robert Robinson
Demetrio Bucaneg, Jr.	SangKwon Jeong	Jessy V. Rouyer
William Byrd	Piotr Karocki	Richard Roy
Juan Carreon	Stephan Kehrer	Frank Schewe
Keith Chow	Stuart Kerry	Michael Seaman
Rodney Cummings	Yongbum Kim	Thomas Starai
Marc Emmelmann	Hyeong Ho Lee	Walter Struppler
Janos Farkas	James Lepp	Patrik Sundstrom
Matthias Fritsche	Michael Lynch	Mark-Rene Uchida
Yukihiro Fujimoto	Elvis Maculuba	Dmitri Varsanofiev
Devon Gayle	Roger Marks	George Vlantis
Eric W. Gray	John Messenger	Khurram Waheed
Randall Groves	Jose Morales	Haifei Wang
Craig Gunther	Nick S.A. Nikjoo	Hung-Yu Wei
Stephen Haddock	Satoshi Obara	Andreas Wolf
Marco Hernandez	Robert O'Hara	Oren Yuen

When the IEEE-SA Standards Board approved this amendment on 27 September 2018, it had the following membership:

**Jean-Philippe Faure**, *Chair*  
**Gary Hoffman**, *Vice Chair*  
**John D. Kulick**, *Past Chair*  
**Konstantinos Karachalios**, *Secretary*

Ted Burse  
Guido R. Hiertz  
Christel Hunter  
Joseph L. Koepfinger\*  
Thomas Koshy  
Hung Ling  
Dong Liu

Xiaohui Liu  
Kevin Lu  
Daleep Mohla  
Andrew Myles  
Paul Nikolich  
Ronald C. Petersen  
Annette D. Reilly

Robby Robson  
Dorothy Stanley  
Mehmet Ulema  
Phil Wennblom  
Philip Winston  
Howard Wolfman  
Jingyi Zhou

\*Member Emeritus

IECNORM.COM : Click to view the full PDF of ISO/IEC/IEEE 8802-1AC:2018/COR1:2020

## Introduction

This introduction is not part of IEEE Std 802.1AC-2016/Cor 1-2018, IEEE Standard for Local and Metropolitan Area Networks—Media Access Control (MAC) Service Definition Corrigendum 1: Logical Link Control (LLC) Encapsulation EtherType.

This standard contains state-of-the-art material. The area covered by this standard is undergoing evolution. Revisions are anticipated within the next few years to clarify existing material, to correct possible errors, and to incorporate new related material. Information on the current revision state of this and other IEEE 802 standards may be obtained from

Secretary, IEEE-SA Standards Board  
445 Hoes Lane  
Piscataway, NJ 08854-4141  
USA

IECNORM.COM : Click to view the full PDF of ISO/IEC/IEEE 8802-1AC:2018/COR1:2020