USEMCSC C63.##/D1

Draft Standard for Publishing USEMCSC C63 Standards

Developed by the

USEMCSC C63® Committee on Electromagnetic Compatibility



Abstract: The inclusion of an abstract and keywords in allows the documents to be referenced in a wide range of bibliographic environments, thereby increasing their utility, visibility, and availability to the public. An abstract and keywords immediately follow the title page of each standard. Abstracts should be based on the scope and purpose of the standard as indicated on the PAR. Abstracts should be no longer than 250 words, and should be written in the passive voice.

Keywords: [Keywords should highlight key terms and phrases from the text of the draft standard, and should specify the designation number of the project.] draft development, publish, sample

[[1]](#footnote-1)•

Important Notices and Disclaimers Concerning USEMCSC Standards Documents

USEMCSC standards documents are made available for use subject to important notices and legal disclaimers.

Notice and Disclaimer of Liability Concerning the Use of USEMCSC Standards Documents

USEMCSC develops its standards through an accredited consensus development process, which brings together volunteers representing varied viewpoints and interests to achieve the final product. USEMCSC standards are documents developed by volunteers with scientific, academic, and industry-based expertise in technical working groups. Volunteers are not necessarily members of USEMCSC, and participate without compensation from USEMCSC. While USEMCSC administers the process and establishes rules to promote fairness in the consensus development process, USEMCSC does not independently evaluate, test, or verify the accuracy of any of the information or the soundness of any judgments contained in its standards.

USEMCSC makes no warranties or representations concerning its standards, and expressly disclaims all warranties, express or implied, concerning this standard, including but not limited to the warranties of merchantability, fitness for a particular purpose and non-infringement. In addition, USEMCSC does not warrant or represent that the use of the material contained in its standards is free from patent infringement. USEMCSC standards documents are supplied “AS IS” and “WITH ALL FAULTS.”

Use of a USEMCSC standard is wholly voluntary. The existence of a USEMCSC 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 USEMCSC 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, USEMCSC is not suggesting or rendering professional or other services for, or on behalf of, any person or entity, nor is USEMCSC undertaking to perform any duty owed by any other person or entity to another. Any person utilizing any USEMCSC 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 USEMCSC standard.

IN NO EVENT SHALL USEMCSC OR IEEE BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO: THE NEED TO PROCURE 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 USEMCSC consensus development process involves the review of documents in English only. In the event that a USEMCSC standard is translated, only the English version published by IEEE is the approved USEMCSC standard.

Official statements

A statement, written or oral, that is not processed in accordance with C63® Standards Committee policies and procedures shall not be considered or inferred to be the official position of USEMCSC or any of its committees and shall not be considered to be, nor be relied upon as, a formal position of USEMCSC. At lectures, symposia, seminars, or educational courses, an individual presenting information on USEMCSC standards shall make it clear that the presenter’s views should be considered the personal views of that individual rather than the formal position of USEMCSC, IEEE, the C63 Standards Committee or any C63 Working Group.

Interpretations

Current interpretations are essential to the understanding of all C63 standards. To assist in the meanings of requirements, informative interpretations are available at the following URL: [http://www.c63.org/documents/misc/posting/new\_interpretations.htm](file:///%5C%5Cbookshelf%5CSA%5CPUBLISHING%5CTEMPLATES%5CWord%20Templates%5CCURRENT_WORD_TEMPLATE%5CDownloads%5C%28http%3A%5Cwww.c63.org%5Cdocuments%5Cmisc%5Cposting%5Cnew_interpretations.htm). Users are cautioned that, although interpretations do not and cannot change the requirements of a standard, they serve to clarify the meanings of requirements. All interpretations are informative rather than normative, until such time as the standard is revised (consistent with C63® ANSI-accredited operating procedures) to incorporate the interpretation as a normative requirement.

Comments on standards

Comments for revision of USEMCSC standards documents are welcome from any interested party, regardless of membership affiliation with USEMCSC.

Suggestions for changes in documents should be in the form of a proposed change of text, together with appropriate supporting comments. Since USEMCSC 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, USEMCSC is not able to provide an instant response to comments or questions, except in those cases where the matter has previously been addressed. Any person who would like to participate in evaluating comments or in revisions to a USEMCSC standard is welcome to join the relevant USEMCSC C63 Standards Committee working group. You can indicate interest in a working group by sending a request to sasecretariat@ieee.org.

Comments on standards should be submitted using the [Contact Us](https://standards.ieee.org/content/ieee-standards/en/about/contact/index.html) form.[[2]](#footnote-2)

Laws and regulations

Users of USEMCSC standards documents should consult all applicable laws and regulations. Compliance with the provisions of any USEMCSC standards document does not constitute compliance to any applicable regulatory requirements. Implementers of the standard are responsible for observing or referring to the applicable regulatory requirements. USEMCSC 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.

Data privacy

Users of USEMCSC Standards documents should evaluate the standards for considerations of data privacy and data ownership in the context of assessing and using the standards in compliance with applicable laws and regulations.

Copyrights

USEMCSC draft and approved standards are copyrighted by USEMCSC and IEEE under US and international copyright laws. They are made available by USEMCSC and 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, USEMCSC and IEEE do not waive any rights in copyright to the documents.

Photocopies

Subject to payment of the appropriate licensing fees, 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; https://www.copyright.com/. Permission to photocopy portions of any individual standard for educational classroom use can also be obtained through the Copyright Clearance Center.

Updating of USEMCSC standards documents

Users of USEMCSC 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. An official USEMCSC 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 USEMCSC standard is subjected to review at least every 5 years. When a document is more than 5 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 USEMCSC 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 [IEEE Xplore](https://ieeexplore.ieee.org/browse/standards/collection/ieee/)[[3]](#footnote-3) or [contact IEEE](https://standards.ieee.org/content/ieee-standards/en/about/contact/index.html).[[4]](#footnote-4) For more information about the USEMCSC’s standards development process, visit the [USEMCSC Website](https://www.c63.org/).[[5]](#footnote-5)

Errata

Users are encouraged to check the IEEE Errata URL (<http://standards.ieee.org/findstds/errata/index.html>), and the one for ASC C63® at <http://www.c63.org/explanations_interpretations_request.htm>, for errata periodically.

Patents

USEMCSC standards are developed in compliance with the [ANSI Essential Requirements](https://www.ansi.org/american-national-standards/ans-introduction/essential-requirements).[[6]](#footnote-6)

NOTE—The user’s attention is called to the possibility that compliance with this standard may require use of an invention covered by patent rights.

By publication of this standard, no position is taken with respect to the existence or validity of any such claim(s) or of any patent rights in connection therewith. If a patent holder or patent applicant has filed a statement of willingness to grant a license under these rights on reasonable and nondiscriminatory terms and conditions to applicants desiring to obtain such a license, then details may be obtained from the standards developer (<http://www.c63.org/documents/misc/patents>).

Essential Patent Claims may exist for which a statement has not been received. The USEMCSC is not responsible for identifying 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 statement, 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.

IMPORTANT NOTICE

USEMCSC standards do not guarantee or ensure safety, security, health, or environmental protection, or ensure against interference with or from other devices or networks. USEMCSC standards development activities consider research and information presented to the standards development group in developing any safety recommendations. Other information about safety practices, changes in technology or technology implementation, or impact by peripheral systems also may be pertinent to safety considerations during implementation of the standard. Implementers and users of USEMCSC standards documents are responsible for determining and complying with all appropriate safety, security, environmental, health, data protection, and interference protection practices and all applicable laws and regulations.

Participants

At the time this standard was completed, the USEMCSC C63® Committee on Electromagnetic Compatibility had the following membership:

**Robert DeLisi**, Chair

**Zhong Chen**, Vice Chair

**Jerry Ramie**, *Secretary*

**Allen Crumm**, *Technical Secretary*

**Jennifer Santulli**, *Secretariat*

*Organization Represented Name of Representative*

<Org Name> <Representative Name>

Individual Members <Individual Name>

Members Emeritus <Emeritus Name>

At the time this standard was completed, USEMCSC C63® Subcommittee X had the following membership:

**<Chair Name>**, Chair

**<Vice Chair Name>**, Vice Chair

**<Secretary Name>**, Secretary

Participant1

Participant2

Participant3

Participant4

Participant5

Participant6

Participant7

Participant8

Participant9

At the time this Standard was completed, the <Working Group Name> Working Group had the following membership:

<Chair Name>, Chair

<Vice-chair Name>, Vice Chair

**<Secretary Name>**, Secretary

Participant1

Participant2

Participant3

Participant4

Participant5

Participant6

Participant7

Participant8

Participant9

Introduction

This introduction is not part of USEMCSC C63.xx/D1, Draft American National Standard for Publishing USEMCSC C63 Standards.

An introduction should give the history of the standard, a description of its purpose, and, if the standard is a revision, an explanation of the principal changes from the previous edition. The introduction should also explain the document structure for multipart standards or for documents within a family of standards. An introduction is not an official or normative part of the proposed standard and shall not contain requirements or recommendations.

Contents

[1. Overview 1](#_Toc66790644)

[1.1 Scope 1](#_Toc66790645)

[1.2 Purpose 1](#_Toc66790646)

[1.3 Word usage 1](#_Toc66790647)

[2. Normative references 1](#_Toc66790648)

[3. Definitions, acronyms, and abbreviations 2](#_Toc66790649)

[3.1 Definitions 2](#_Toc66790650)

[3.2 Acronyms and abbreviations 2](#_Toc66790651)

[Annex A (informative) Bibliography 3](#_Toc66790652)

Draft Standard for Publishing USEMCSC C63 Standards

1. Overview
	1. Scope
	2. Purpose
	3. Word usage

***<This subclause is mandatory and shall appear after the Scope (or Purpose, if included in the draft).>***

The word *shall* indicates mandatory requirements strictly to be followed in order to conform to the standard and from which no deviation is permitted (*shall* equals is *required to*).[[7]](#footnote-7), [[8]](#footnote-8)

The word *should* indicates that among several possibilities one is recommended as particularly suitable, without mentioning or excluding others; or that a certain course of action is preferred but not necessarily required (*should* equals is *recommended that*).

The word *may* is used to indicate a course of action permissible within the limits of the standard (*may* equals is *permitted to*).

The word *can* is used for statements of possibility and capability, whether material, physical, or causal (*can* equals is *able to*).

1. Normative references

The following referenced documents are indispensable for the application of this standard (i.e., they must be understood and used; therefore, each referenced document is cited in text and its relationship to this standard is explained). For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments or corrigenda) applies.

NOTE—For undated references, unless otherwise stated by the regulatory authority or purchasing agency, a transition period of one year applies, starting from the date a new edition of such a reference is published, within which either the previous or the new edition applies.

In-text reference in ANSI C63.## to a specific clause, subclause, table, figure, or annex of another document is dated even if the corresponding document is listed as an undated normative reference below.

Where a dated reference to a specific clause, subclause, table, figure, or annex of another document is made in this standard, it is acceptable to use a more recent edition of the referenced document, provided identical text exists in both editions of that document for the referenced clause, subclause, table, figure, or annex.

1. Definitions, acronyms, and abbreviations
	1. Definitions

For the purposes of this document, the following terms and definitions apply. The IEEE Standards Dictionary Online should be consulted for terms not defined in this clause.[[9]](#footnote-9)

* 1. Acronyms and abbreviations

# (informative)Bibliography

Bibliographical references are resources that provide additional or helpful material but do not need to be understood or used to implement this standard. Reference to these resources is made for informational use only.

1. United States EMC Standards Corporation
5702 368th Avenue, PO Box 598, Burlington, WI 53105, USA

The Institute of Electrical and Electronics Engineers, Inc.

3 Park Avenue, New York, NY 10016-5997, USA

Copyright © 20xx by the United States EMC Standards Corporation and The Institute of Electrical and Electronics Engineers, Inc.

All rights reserved. Published <Date Published>. Printed in the United States of America.

C63 is a registered trademark in the U.S. Patent & Trademark Office, owned by the United States EMC Standards Corporation.

IEEE is a registered trademark in the U.S. Patent & Trademark Office, owned by The Institute of Electrical and Electronics Engineers, Incorporated.

PDF: ISBN 978-0-XXXX-XXXX-XSTDXXXXX

Print: ISBN978-0-XXXX-XXXX-XSTDPDXXXXX

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of IEEE. [↑](#footnote-ref-1)
2. Available at: <https://standards.ieee.org/content/ieee-standards/en/about/contact/index.html>. [↑](#footnote-ref-2)
3. Available at: <https://ieeexplore.ieee.org/browse/standards/collection/ieee>. [↑](#footnote-ref-3)
4. Available at: <https://standards.ieee.org/standard/index.html>. [↑](#footnote-ref-4)
5. Available at: <https://www.c63.org/>. [↑](#footnote-ref-5)
6. Available at: <https://www.ansi.org/american-national-standards/ans-introduction/essential-requirements>. [↑](#footnote-ref-6)
7. The use of the word *must* is deprecated and cannot be used when stating mandatory requirements; *must* is used only to describe unavoidable situations. [↑](#footnote-ref-7)
8. The use of *will* is deprecated and cannot be used when stating mandatory requirements; *will* is only used in statements of fact. [↑](#footnote-ref-8)
9. IEEE Standards Dictionary Online subscription is available at: <http://dictionary.ieee.org>. An IEEE Account is required for access to the dictionary, and one can be created at no charge on the dictionary sign-in page. [↑](#footnote-ref-9)