IEC GUIDE 107

Edition 4.0 2014-07

GUIDE

GUIDE

Electromagnetic compatibility – Guide to the drafting of electromagnetic compatibility publications

Compatibilité électromagnétique – Guide pour la rédaction des publications sur la compatibilité électromagnétique

IEC GUIDE 107:2014-07(en-fr)

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CONTENTS

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ELECTROMAGNETIC COMPATIBILITY – GUIDE TO THE DRAFTING OF ELECTROMAGNETIC COMPATIBILITY PUBLICATIONS

FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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This fourth edition of IEC Guide 107 has been prepared, in accordance with ISO/IEC Directives, Part 1, Annex A, by the Advisory Committee on Electromagnetic Compatibility (ACEC). This is a mandatory guide in accordance with SMB Decision 136/8.

This fourth edition cancels and replaces the third edition, published in 2009. Following the SMB Decision 136/8, this guide is mandatory. The revision intends to take this into account by replacing the word "should" by "shall" in several places. Some other minor editoral changes have also been introduced.

The text of this IEC Guide is based on the following documents:

Four months' vote	Report on voting
C/1773/DV	C/1791/RV

Full information on the voting for the approval of this Guide can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

ELECTROMAGNETIC COMPATIBILITY – GUIDE TO THE DRAFTING OF ELECTROMAGNETIC COMPATIBILITY PUBLICATIONS

1 Scope

This guide describes procedures for the drafting of IEC publications that relate wholly or partly to electromagnetic compatibility (EMC). They are applied when preparing new electromagnetic compatibility publications or EMC clauses, as well as when revising existing publications.

NOTE The IEC Standardization Management Board (SMB) has decided that Guides such as this one can have mandatory requirements as well as guidance which may or may not be followed. The mandatory requirements in this Guide are identified by the use of “shall”. Guidance only is identified by statements using the verb “should”.

These procedures are followed in order to ensure that the resulting publications are consistent with each other and current practice, and to avoid overlapping document scopes.

This guide has been revised in order to align it with the second edition of IEC Guide 108, which states: “For safety and EMC standards the principles of this guide are addressed by the specific technical provisions of IEC Guides 104 and 107 respectively.”

Technical committees should consult the documents listed in Clause 2 when preparing EMC publications or EMC clauses.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60050 (all parts), *International Electrotechnical Vocabulary* (available at http://www.electropedia.org)

IEC TR 61000-2-5, *Electromagnetic compatibility (EMC) – Part 2-5: Environment – Description and classification of electromagnetic environments*

3 Terms, definitions and acronyms

3.1 Terms and definitions

For the purposes of this document, the terms and definitions in IEC 60050-161 as well as the following apply.

3.1.1
electromagnetic compatibility
EMC
ability of an equipment or system to function satisfactorily in its electromagnetic environment without introducing intolerable electromagnetic disturbances to anything in that environment

[SOURCE: IEC 60050-161:1990, 161-01-07]