SLOVENSKI STANDARD
SIST EN 61000-4-39:2017

01-september-2017

Elektromagnetna združljivost (EMC) - 4-39. del: Preskusne in merilne tehnike - Sevana polja v bližini - Preskus odpornosti

Electromagnetic Compatibility (EMC) - Part 4-39: Testing and measurement techniques - Radiated fields in close proximity - Immunity test

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Compatibilité électromagnétique (CEM) - Partie 4-39: Techniques d'essai et de mesure - Essais d'immunité aux champs rayonnés à proximité

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Ta slovenski standard je istoveten z: **EN 61000-4-39:2017**

ICS:

33.100.20	Imunost	Immunity

SIST EN 61000-4-39:2017 **en**

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EUROPEAN STANDARD

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EUROPÄISCHE NORM

EN 61000-4-39

June 2017

ICS 33.100.20

English Version

Electromagnetic Compatibility (EMC) - Part 4-39: Testing and measurement techniques - Radiated fields in close proximity - Immunity test (IEC 61000-4-39:2017)

Compatibilité électromagnétique (CEM) - Partie 4-39: Techniques d'essai et de mesure - Champs rayonnés à proximité - Essai d'immunité (IEC 61000-4-39:2017)

Elektromagnetische Verträglichkeit (EMV) - Teil 4-39: Prüf- und Messverfahren - Gestrahlte Felder im Nahbereich - Prüfung der Störfestigkeit (IEC 61000-4-39:2017)

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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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European foreword

The text of document 77B/769/FDIS, future edition 1 of IEC 61000-4-39, prepared by SC 77B “High frequency phenomena” of IEC/TC 77 “Electromagnetic compatibility" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61000-4-39:2017.

The following dates are fixed:

• latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2018-01-13
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2020-04-13

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In the official version, for Bibliography, the following notes have to be added for the standard indicated:

IEC 61000-4-3:2006	NOTE	Harmonized as EN 61000-4-3:2006.
IEC 61000-4-3:2006/AMD 1:2008	NOTE	Harmonized as EN 61000-4-3:2006/A1:2008.
IEC 61000-4-3:2006/AMD 2:2010	NOTE	Harmonized as EN 61000-4-3:2006/A2:2010.
IEC 61000-4-20	NOTE	Harmonized as EN 61000-4-20.
IEC 61000-4-21	NOTE	Harmonized as EN 61000-4-21.
IEC 61000-4-22	NOTE	Harmonized as EN 61000-4-22.

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Annex ZA
(normative)
Normative references to international publications with their corresponding European publications

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.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 60050-161	-	International Electrotechnical Vocabulary (IEV) -- Chapter 161: Electromagnetic compatibility	-	-

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NORME INTERNATIONALE

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PUBLICATION FONDAMENTALE EN CEM

Electromagnetic compatibility (EMC) – Part 4-39: Testing and measurement techniques – Radiated fields in close proximity – Immunity test

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ELECTROMAGNETIC COMPATIBILITY (EMC) –

Part 4-39: Testing and measurement techniques – Radiated fields in close proximity – Immunity test

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International Standard IEC 61000-4-39 has been prepared by subcommittee 77B: High frequency phenomena, of IEC technical committee 77: Electromagnetic compatibility.

It forms Part 4-39 of the IEC 61000 series. It has the status of a basic EMC publication in accordance with IEC Guide 107.

The text of this standard is based on the following documents:

FDIS	Report on voting
77B/769/FDIS	77B/772/RVD

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

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

A list of all parts in the IEC 61000 series, published under the general title *Electromagnetic compatibility (EMC)*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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INTRODUCTION

IEC 61000 is published in separate parts according to the following structure:

Part 1: General

General considerations (introduction, fundamental principles)

Definitions, terminology

Part 2: Environment

Description of the environment

Classification of the environment

Compatibility levels

Part 3: Limits

Emission limits

Immunity limits (in so far as they do not fall under the responsibility of the product committees)

Part 4: Testing and measurement techniques

Measurement techniques

Testing techniques

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Part 5: Installation and mitigation guidelines

Installation guidelines

Mitigation methods and devices

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Part 6: Generic standards

Part 9: Miscellaneous

Each part is further subdivided into several parts, published either as international standards or as technical specifications or technical reports, some of which have already been published as sections. Others will be published with the part number followed by a dash and a second number identifying the subdivision (example: IEC 61000-6-1).

Particular considerations for IEC 61000-4-39

This part of IEC 61000 is an international standard which gives immunity requirements and test procedures related to radiated disturbances caused by radio-frequency fields from devices used in close proximity.

It is impossible to ignore that the everyday electromagnetic environment has greatly changed. Not long ago, handheld, frequency-modulated (FM) transceivers for business, public safety, and amateur radio communications represented the predominant RF applications. Distribution was limited (for example, by licenses) and in most cases the radiating antennas were outside buildings to get a high efficiency. The situation changed once technology allowed the manufacturing of compact wireless phones with low weight and a reasonable price. Wireless services (DECT, mobile phones, UMTS/WiFi/WiMAX/ Bluetooth®[1], baby monitors, etc.) have

[1] Bluetooth is the trade name of a product supplied by Bluetooth SIG This information is given for the convenience of users of this document and does not constitute an endorsement by IEC of this product. Equivalent products may be used if they can be shown to lead to the same results.