

Electromagnetic compatibility (EMC) - Part 4-19: Testing and measurement techniques - Test for immunity to conducted, differential mode disturbances and signalling in the frequency range 2 kHz to 150 kHz at a.c. power ports

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

| | |
|---|--|
| See Eesti standard EVS-EN 61000-4-19:2014 sisaldab Euroopa standardi EN 61000-4-19:2014 ingliskeelset teksti. | This Estonian standard EVS-EN 61000-4-19:2014 consists of the English text of the European standard EN 61000-4-19:2014. |
| Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas. | This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation. |
| Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 22.08.2014. | Date of Availability of the European standard is 22.08.2014. |
| Standard on kättesaadav Eesti Standardikeskusest. | The standard is available from the Estonian Centre for Standardisation. |

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English Version

Electromagnetic compatibility (EMC) - Part 4-19: Testing and measurement techniques - Test for immunity to conducted, differential mode disturbances and signalling in the frequency range 2 kHz to 150 kHz at a.c. power ports
(IEC 61000-4-19:2014)

Compatibilité électromagnétique (CEM) - Partie 4-19: Techniques d'essai et de mesure - Essai pour l'immunité aux perturbations conduites en mode différentiel et à la signalisation dans la gamme de fréquences de 2 kHz à 150 kHz, aux accès de puissance à courant alternatif
(CEI 61000-4-19:2014)

Elektromagnetische Verträglichkeit (EMV) - Teil 4-19: Prüf- und Messverfahren - Prüfung der Störfestigkeit an Wechselstrom-Netzanschlüssen gegen leitungsgeführte symmetrische Störgrößen und Störgrößen aus der Signalübertragung im Frequenzbereich von 2 kHz bis 150 kHz
(IEC 61000-4-19:2014)

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Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Foreword

The text of document 77A/845/FDIS, future edition 1 of IEC 61000-4-19, prepared by SC 77A "EMC – Low frequency phenomena", of IEC/TC 77 "Electromagnetic compatibility" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61000-4-19:2014.

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) 2015-03-11
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-06-11

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Endorsement notice

The text of the International Standard IEC 61000-4-19:2014 was approved by CENELEC as a European Standard without any modification.

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

| | | |
|---|------|---|
| IEC 60068-1 | NOTE | Harmonized as EN 60068-1. |
| IEC 61000-2-2:2002 | NOTE | Harmonized as EN 61000-2-2:2002 (not modified). |
| IEC 61000-2-12:2003 | NOTE | Harmonized as EN 61000-2-12:2003 (not modified). |
| CISPR 14-1:2005 + A1:2008 + A2:2011 | NOTE | Harmonized as EN 55014-1:2006 (not modified) + A1:2009 (not modified) + A2:2011 (not modified). |
| CISPR 15:2013 | NOTE | Harmonized as EN 55015:2013 (not modified). |

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.

| <u>Publication</u> | <u>Year</u> | <u>Title</u> | <u>EN/HD</u> | <u>Year</u> |
|--------------------------------|----------------------|--|-------------------------------|----------------------|
| IEC 61000-4-13 + A1 | 2002 2009 | Electromagnetic compatibility (EMC) - Part 4-13: Testing and measurement techniques - Harmonics and interharmonics including mains signalling at a.c. power port, low frequency immunity tests | EN 61000-4-13 + A1 | 2002 2009 |
| IEC 61000-4-16 + A1 + A2 | 1998 2001 2009 | Electromagnetic compatibility (EMC) - Part 4-16: Testing and measurement techniques - Test for immunity to conducted, common mode disturbances in the frequency range 0 Hz to 150 kHz | EN 61000-4-16 + A1 + A2 | 1998 2004 2011 |

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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

Part 5: Installation and mitigation guidelines

- Installation guidelines
- Mitigation methods and devices

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 are published with the part number followed by a dash and a second number identifying the subdivision (example: IEC 61000-6-1).