

# SLOVENSKI STANDARD

## SIST EN 55014-2:2015

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SIST EN 55014-2:1997/A2:2009

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**Elektromagnetna združljivost - Zahteve za (električne) gospodinjske aparate, električna ročna orodja in podobne aparate - 2. del: Odpornost - Standard za družino izdelkov (CISPR 14-2:2015)**

Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus -- Part 2: Immunity - Product family standard

Elektromagnetische Verträglichkeit - Anforderungen an Haushaltgeräte, Elektrowerkzeuge und ähnliche Elektrogeräte -- Teil 2: Störfestigkeit - Produktfamilienorm

Compatibilité électromagnétique - Exigences pour les appareils électrodomestiques, outillages électriques et appareils analogues -- Partie 2: Immunité - Norme de famille de produits

**Ta slovenski standard je istoveten z: EN 55014-2:2015**

**ICS:**

33.100.20      Imunost      Immunity

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EUROPEAN STANDARD

**EN 55014-2**

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2015

ICS 33.100

Supersedes EN 55014-2:1997

English Version

**Electromagnetic compatibility - Requirements for household  
appliances, electric tools and similar apparatus - Part 2:  
Immunity - Product family standard  
(CISPR 14-2:2015)**

Compatibilité électromagnétique - Exigences relatives aux  
appareils électrodomestiques, outillages électriques et  
appareils analogues - Partie 2: Immunité - Norme de famille  
de produits  
(CISPR 14-2:2015)

Elektromagnetische Verträglichkeit - Anforderungen an  
Haushaltgeräte, Elektrowerkzeuge und ähnliche  
Elektrogeräte - Teil 2: Störfestigkeit - Produktfamiliennorm  
(CISPR 14-2:2015)

This European Standard was approved by CENELEC on 2015-03-25. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

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European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

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

## Foreword

The text of document CIS/F/652/FDIS, future CISPR 14-2, prepared by CISPR SC F “Interference relating to household appliances tools, lighting equipment and similar apparatus” of CISPR “International special committee on radio interference” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 55014-2:2015.

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) 2015-12-25
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-03-25

This document supersedes EN 55014-2:1997.

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### Endorsement notice

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The text of the International Standard CISPR 14-2:2015 was approved by CENELEC as a European Standard without any modification.

[SIST EN 55014-2:2015](#)

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

|                    |      |                                  |
|--------------------|------|----------------------------------|
| IEC 60335 (series) | NOTE | Harmonized as EN 60335 (series). |
| IEC 61558-2-7      | NOTE | Harmonized as EN 61558-2-7.      |

## 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](http://www.cenelec.eu).

| Publication    | Year   | Title   | EN/HD         | Year   |
|----------------|--------|---|---------------|--------|
| IEC 60050      | series | International Electrotechnical Vocabulary   | -             | series |
| IEC 61000-4-2  | 2008   | Electromagnetic compatibility (EMC) -- Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test                                       | EN 61000-4-2  | 2009   |
| IEC 61000-4-3  | 2006   | Electromagnetic compatibility (EMC) -- Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test              | EN 61000-4-3  | 2006   |
| +A1            | 2007   |   | +A1           | 2008   |
| +A2            | 2010   |   | +A2           | 2010   |
| IEC 61000-4-4  | 2012   | Electromagnetic compatibility (EMC) -- Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test                               | EN 61000-4-4  | 2012   |
| IEC 61000-4-5  | 2014   | Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test  | EN 61000-4-5  | 2014   |
| IEC 61000-4-6  | 2013   | Electromagnetic compatibility (EMC) -- Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields       | EN 61000-4-6  | 2014   |
| IEC 61000-4-11 | 2004   | Electromagnetic compatibility (EMC) -- Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests    | EN 61000-4-11 | 2004   |
| IEC 61000-4-22 | 2010   | Electromagnetic compatibility (EMC) -- Part 4-22: Testing and measurement techniques - Radiated emission and immunity measurements in fully anechoic rooms (FARs) | EN 61000-4-22 | 2011   |
| CISPR 14-1     | 2005   | Electromagnetic compatibility Requirements for household appliances, electric tools and similar apparatus -- Part 1: Emission                                     | EN 55014-1    | 2006   |
| +A1            | 2008   |   | +A1           | 2009   |
| +A2            | 2011   |   | +A2           | 2011   |

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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE  
COMITÉ INTERNATIONAL SPÉCIAL DES PERTURBATIONS RADIOÉLECTRIQUES

**Electromagnetic compatibility – Requirements for household appliances,  
electric tools and similar apparatus –  
Part 2: Immunity – Product family standard**

**Compatibilité électromagnétique – Exigences relatives aux appareils  
électrodomestiques, outillages électriques et appareils analogues –  
Partie 2: Immunité – Norme de famille de produits**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

COMMISSION  
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INTERNATIONAL ELECTROTECHNICAL COMMISSION  
INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE

**ELECTROMAGNETIC COMPATIBILITY –  
REQUIREMENTS FOR HOUSEHOLD APPLIANCES,  
ELECTRIC TOOLS AND SIMILAR APPARATUS –**

**Part 2: Immunity – Product family standard**

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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International Standard CISPR 14-2 has been prepared by CISPR subcommittee F: Interference relating to household appliances tools, lighting equipment and similar apparatus.

This second edition cancels and replaces the first edition published in 1997, Amendment 1:2001 and Amendment 2:2008. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) 5.1: For ESD tests on contacts of plugs and sockets the note ("The 4 kV contact discharge shall be applied to conductive accessible parts. Metallic contacts, such as in battery compartments or in socket outlets, are excluded from this requirement.") saying that no test on contacts is necessary has been removed. The IEC 61000-4-2 includes a detailed

description how to deal with ESD on contacts and other surfaces. Also discharge on HCP and VCP is required by the basic standard IEC 61000-4-2.

- b) 5.3 and 5.4: The tables for tests at d.c. power ports according IEC 61000-4-6 are aligned with the generic standards and are the same for 5.3 and 5.4.
- c) 5.3 and 5.4: For EUT with single mains cable and no other cable, the test set-up as shown in Figure 2 shall be used. The set-up as described in Annex F of IEC 61000-4-6:2013 shall not be used.
- d) 5.5: The IEC 61000-4-22 has been introduced as alternative method for testing radiated immunity.
- e) 5.6: No line-to-earth surges are applied to products which do not have provision for connection to earth.

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

|                  |                  |
|------------------|------------------|
| FDIS             | Report on voting |
| CISPR/F/652/FDIS | CISPR/F/657/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.

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

A list of all parts in the CISPR 14 series, published under the general title *Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus*, can be found on the IEC website. (standards.iteh.ai)

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.