

Electromagnetic compability - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission - Amendment A1 (CISPR 14-1:2000/A1:2001)

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EUROPEAN STANDARD

EN 55014-1/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2001

ICS 33.100.10

English version

**Electromagnetic compatibility –
Requirements for household appliances,
electric tools and similar apparatus
Part 1: Emission
(CISPR 14-1:2000/A1:2001)**

Compatibilité électromagnétique -
Exigences pour les appareils
électrodomestiques, outillages électriques
et appareils analogues
Partie 1: Emission
(CISPR 14-1:2000/A1:2001)

Elektromagnetische Verträglichkeit -
Anforderungen an Haushaltgeräte,
Elektrowerkzeuge und ähnliche
Elektrogeräte
Teil 1: Störaussendung
(CISPR 14-1:2000/A1:2001)

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This amendment A1 modifies the European Standard EN 55014-1:2000; it was approved by CENELEC on 2001-10-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 Central Secretariat or to any CENELEC member.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document CISPR/F/332/FDIS, future amendment 1 to CISPR 14-1:2000, prepared by CISPR SC F, Interference relating to household appliances, tools, lighting equipment and similar apparatus, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A1 to EN 55014-1:2000 on 2001-10-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2002-07-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2004-10-01

Annexes designated "normative" are part of the body of the standard.

In this standard, annex ZA is normative.

Annex ZA has been added by CENELEC.

Endorsement notice

The text of amendment 1:2001 to the International Standard CISPR 14-1:2000 was approved by CENELEC as an amendment to the European Standard without any modification.

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

IEC 61558-2-7 NOTE: Harmonized as EN 61558-2-7:1997 (not modified).

CISPR 11 NOTE: CISPR 11:1997, mod. is harmonized as EN 55011:1998.

CISPR 13 NOTE: CISPR 13:2001, mod. is harmonized as EN 55013:2001.

CISPR 20 NOTE: See EN 55020:1994 and its amendments.

Annex ZA
(normative)

**Normative references to international publications
with their corresponding European publications**

Add:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
CISPR 22 (mod)	¹⁾	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement	EN 55022 + corr. July	1998 ²⁾ 2001
IEC 60598-2-10	1987	Luminaires Part 2: Particular requirements -- Section 10: Portable child-appealing luminaires	EN 60598-2-10	1989

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¹⁾ undated reference.

²⁾ valid edition at date of issue.

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COMMISSION
ELECTROTECHNIQUE
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COMMISSION

AMENDEMENT 1
AMENDMENT 1
2001-08

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

Amendement 1

**Compatibilité électromagnétique –
Exigences pour les appareils électrodomestiques,
outillages électriques et appareils analogues –**

**Partie 1:
Emission**

Amendment 1

**Electromagnetic compatibility –
Requirements for household appliances,
electric tools and similar apparatus –**

**Part 1:
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[2a92ad1e8446/sist-en-55014-1-2001-a1-2002](https://standards.iteh.ai/catalog/standards/sist/8fd742f2-ee01-4e51-8743-2a92ad1e8446/sist-en-55014-1-2001-a1-2002)

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
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FOREWORD

This amendment has been prepared by CISPR subcommittee F: Interference relating to household appliances, tools, lighting equipment and similar apparatus.

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

FDIS	Report on voting
CISPR/F/332/FDIS	CISPR/F/339/RVD

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

The committee has decided that the contents of the base publication and its amendments will remain unchanged until 2003. At this date, the publication will be

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

Page 3

CONTENTS

Add, after the annexes, "Bibliography"

Add to the list of tables, on page 5, the title of the new table 3:

Table 3 – Radiated disturbance limits for toys for the frequency range 30 MHz to 1 000 MHz at 10 m distance from the source

Page 11

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1 Scope

1.1 Replace, in the second line of the second paragraph, "electric toys" by "electric/electronic toys".

Replace the existing note by the following new note:

NOTE 1 Examples are:

- luminaires, including portable child-appealing luminaires, discharge lamps and other lighting devices: CISPR 15;
- audio and video equipment and electronic music instruments, other than toys: CISPR 13 and CISPR 20 (see also 7.3.5.4.2);
- mains communication devices, as well as baby surveillance systems: IEC 61000-3-8;
- equipment for generation and use of radio frequency energy for heating and therapeutic purposes: CISPR 11;

- microwave ovens: CISPR 11 (but be aware of 1.3 on multifunction equipment);
- information technology equipment, e.g. home computers, personal computers, electronic copying machines: CISPR 22;
- electronic equipment to be used on motor vehicles: CISPR 12;
- radio controls, walkie-talkies and other types of radio-transmitters, also when used with toys.

Add, after the final dash, the following note:

NOTE 2 Toys powered by the supply system of a motor-powered vehicle, ship or aircraft are not covered by this standard.

Add, on page 13, the following new subclause 1.5:

1.5 The effects of electromagnetic phenomena relating to the safety of apparatus are excluded from the scope of this standard.

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2 Normative references

Add to the list of normative references the following new references:

CISPR 22, *Information technology equipment – Radio disturbance characteristics – Limits and methods of measurement*

IEC 60598-2-10:1987, *Luminaires – Part 2: Particular requirements – Section 10: Portable child-appealing luminaires*

3 Definitions

Delete the numbering 3.1.1 attributed to the first subclause and renumber the second subclause 3.1.2 which becomes 3.1.

In the introductory paragraph (existing subclause 3.1.1), replace the phrase “in the field of discontinuous disturbance given in 3.2 to 3.7” by “as follows:”.

Add, on page 17, the following new definitions:

3.9 toy

product designed for, or clearly intended for use in play by children under 14 years old.

Toys may incorporate motors, heating elements, electronic circuits and their combination.

The supply voltage of a toy shall not exceed 24 V a.c. (r.m.s) or ripple-free d.c. and may be provided by a battery or by means of an adapter or a safety transformer connected to the mains supply

NOTE Transformers, converters and chargers for toys are considered not to be part of the toy (see IEC 61558-2-7).