BRITISH STANDARD

BS EN 55014-1:2006 +A1:2009
Incorporating corrigendum January 2009

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

Part 1: Emission

ICS 33.100.10

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National foreword

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The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to CISPR text carry the number of the CISPR amendment. For example, text altered by CISPR amendment A1 is indicated by ⟩A1⟨.

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A list of organizations represented on this subcommittee can be obtained on request to its secretary.

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English version

Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus Part 1: Emission

(CISPR 14-1:2005)

Compatibilité électromagnétique - Exigences pour les appareils électrodomestiques, outillages électriques et appareils analogues Partie 1: Emission (CISPR 14-1:2005)

Elektromagnetische Verträglichkeit - Anforderungen an Haushaltgeräte, Elektrowerkzeuge und ähnliche Elektrogeräte Teil 1: Störaussendung (CISPR 14-1:2005)

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CENELEC

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

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Foreword

The text of document CISPR/F/404/FDIS, future edition 5 of CISPR 14-1, 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 EN 55014-1 on 2006-09-12.

This European Standard supersedes EN 55014-1:2000 + A1:2001 + A2:2002.

The following dates were fixed:

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– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2009-09-01

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and covers essential requirements of EC Directives 89/336/EEC and 2004/108/EC. See Annex ZZ.

Annexes ZA and ZZ have been added by CENELEC.

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Endorsement notice

The text of the International Standard CISPR 14-1:2005 was approved by CENELEC as a European Standard without any modification.

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Foreword to amendment A1

The text of document CISPR/F/491/FDIS, future amendment 1 to CISPR 14-1:2005, 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 55014-1:2006 on 2009-04-22.

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– latest date by which the national standards conflicting with the amendment have to be withdrawn	(dow)	2012-05-01

Annex ZA has been added by CENELEC.

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Endorsement notice

The text of amendment 1:2008 to the International Standard CISPR 14-1:2005 was approved by CENELEC as an amendment to the European Standard without any modification.

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INTRODUCTION

The intention of this standard is to establish uniform requirements for the radio disturbance level of the equipment contained in the scope, to fix limits of disturbance, to describe methods of measurement and to standardize operating conditions and interpretation of results.

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

Part 1: Emission

1 Scope

1.1 This standard applies to the conduction and the radiation of radio-frequency disturbances from appliances whose main functions are performed by motors and switching or regulating devices, unless the r.f. energy is intentionally generated or intended for illumination.

It includes such equipment as: household electrical appliances, electric tools, regulating controls using semiconductor devices, motor-driven electro-medical apparatus, electric/ electronic toys, automatic dispensing machines as well as cine or slide projectors. [A1] Both mains powered appliances and battery powered appliances are included. [A1]

Also included in the scope of this standard are:

– separate parts of the above mentioned equipment such as motors, switching devices e.g. (power or protective) relays, however no emission requirements apply unless formulated in this standard.

Excluded from the scope of this standard are:

– apparatus for which all emission requirements in the radio frequency range are explicitly formulated in other IEC or CISPR standards;

NOTE 1 Examples are:

- luminaires, including portable luminaires for children, 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.
- [A1] – arc welding equipment: CISPR 11. [A1]

– regulating controls and equipment with regulating controls incorporating semiconductor devices with a rated input current of more than 25 A per phase;

– stand-alone power supplies.

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