

CONSOLIDATED VERSION

VERSION CONSOLIDÉE



**Household and similar electrical appliances – Safety –
Part 1: General requirements**

**Appareils électrodomestiques et analogues – Sécurité –
Partie 1: Exigences générales**

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**Household and similar electrical appliances – Safety –
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES –
SAFETY –****Part 1: General requirements****FOREWORD**

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This Consolidated version of IEC 60335-1 bears the edition number 5.1. It consists of the fifth edition (2010) [documents 61/3974/FDIS and 61/4014/RVD], its corrigendum 1 (2010), its corrigendum 2 (2011) and its amendment 1 (2013) [documents 61/4639/FDIS and 61/4675/RVD]. The technical content is identical to the base edition and its amendment.

In this Redline version, a vertical line in the margin shows where the technical content is modified by amendment 1. Additions and deletions are displayed in red, with deletions being struck through. A separate Final version with all changes accepted is available in this publication.

This publication has been prepared for user convenience.

International Standard IEC 60335-1 has been prepared by IEC technical committee 61: Safety of household and similar electrical appliances.

The principal changes in this edition as compared with the fourth edition of IEC 60335-1 are as follows (minor changes are not listed):

- updated the text of the standard to align with the most recent editions of the dated normative references;
- modified the functional safety requirements using programmable electronic circuits including software validation requirements;
- updated Clause 29 to cover insulation requirements subjected to high frequency voltages as in switch mode power supply circuits;
- updated Subclause 30.2 to further align the pre-selection option with the end-product test option;
- deleted some notes and converted many other notes to normative text;
- clarified requirements for class III appliances and class III constructions.

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

This part is to be used in conjunction with the appropriate part 2 of IEC 60335. The parts 2 contain clauses to supplement or modify the corresponding clauses in this part to provide the relevant requirements for each type of appliance.

NOTE 1 The following annexes contain provisions suitably modified from other IEC standards:

– Annex E	Needle-flame test	IEC 60695-11-5
– Annex F	Capacitors	IEC 60384-14
– Annex G	Safety isolating transformers	IEC 61558-1 and IEC 61558-2-6
– Annex H	Switches	IEC 61058-1
– Annex J	Coated printed circuit boards	IEC 60664-3
– Annex N	Proof tracking test	IEC 60112
– Annex R	Software evaluation	IEC 60730-1

NOTE 2 The following print types are used:

- requirements: in roman type;
- *test specifications: in italic type;*
- notes: in small roman type.

Words in **bold** in the text are defined in Clause 3. When a definition concerns an adjective, the adjective and associated noun are also in bold.

A list of all parts of the IEC 60335 series, under the general title: *Household and similar electrical appliances – Safety*, can be found on the IEC website.

The committee has decided that the contents of the base publication and its amendment 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

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- replaced by a revised edition, or
- amended.