



NSAI
Standards

Irish Standard
I.S. EN 60335-2-
23:2003&A1:2008&A11:2010/ac&A2:2015

Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care

I.S. EN 60335-2-23:2003&A1:2008&A11:2010/ac&A2:2015

Incorporating amendments/corrigenda/National Annexes issued since publication:

EN 60335-2-23:2003/A1:2008
EN 60335-2-23:2003/A11:2010
EN 60335-2-23:2003/A11:2010/AC:2012
EN 60335-2-23:2003/A2:2015

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I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

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This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):

NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.

This document is based on:

EN 60335-2-23:2003

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2003-06-12

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National Foreword

I.S. EN 60335-2-23:2003&A1:2008&A11:2010/ac&A2:2015 is the adopted Irish version of the European Document EN 60335-2-23:2003, Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care

This document does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with this document does not of itself confer immunity from legal obligations.

In line with international standards practice the decimal point is shown as a comma (,) throughout this document.

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EUROPEAN STANDARD

EN 60335-2-23:2003/A2

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2015

ICS 13.120; 97.170

English Version

**Household and similar electrical appliances - Safety - Part 2-23:
Particular requirements for appliances for skin or hair care
(IEC 60335-2-23:2003/A2:2012 , modified)**

Appareils électrodomestiques et analogues - Sécurité -
Partie 2-23: Règles particulières pour les appareils destinés
aux soins de la peau ou des cheveux
(CEI 60335-2-23:2003/A2:2012 , modifiée)

Sicherheit elektrischer Geräte für den Hausgebrauch und
ähnliche Zwecke - Teil 2-23: Besondere Anforderungen für
Geräte zur Behandlung von Haut oder Haar
(IEC 60335-2-23:2003/A2:2012 , modifiziert)

This amendment A2 modifies the European Standard EN 60335-2-23:2003; it was approved by CENELEC on 2014-09-29. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



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

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60335-2-23/A11

May 2010

ICS 13.120; 97.170

English version

**Household and similar electrical appliances -
Safety -
Part 2-23: Particular requirements for appliances for skin or hair care**

Appareils électrodomestiques
et analogues - Sécurité -
Partie 2-23: Règles particulières pour
les appareils destinés aux soins
de la peau ou des cheveux

Sicherheit elektrischer Geräte
für den Hausgebrauch
und ähnliche Zwecke -
Teil 2-23: Besondere Anforderungen
für Geräte zur Behandlung
von Haut oder Haar

This amendment A11 modifies the European Standard EN 60335-2-23:2003; it was approved by CENELEC on 2010-04-14. 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.

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CENELEC

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

A proposal to amend EN 60335-2-23:2003, document CLC/TC 61(SEC)1686, was discussed during the Brussels meeting of CENELEC TC 61 in June 2009, when it was decided to submit a draft for an amendment to the Unique Acceptance Procedure.

The draft was circulated in June 2009 and was approved by CENELEC as amendment A11 to EN 60335-2-23:2003 on 2010-04-14.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

The following dates are applicable:

- latest date by which the amendment has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2011-05-01
- latest date by which the national standards conflicting
with the amendment have to be withdrawn (dow) 2013-04-14

This amendment supplements or modifies the corresponding clauses of EN 60335-2-23:2003.

There are no special national conditions causing a deviation from this amendment.

There are no national deviations from this amendment.

1 Scope

Replace the fourth paragraph including the two dashed items by the following:

As far as is practicable, this standard deals with the common hazards presented by appliances that are encountered by all persons in household and similar environments.

However, in general, it does not take into account:

- **children** playing with the appliance,
- the use of the appliance by **very young children**
- the use of the appliance by **young children** without supervision,
- **user maintenance** by **children**, including the necessary cleaning of the appliance.

It is recognized that **very vulnerable people** may have needs beyond the level addressed in this standard.

3 Definitions

3.6.3 accessible part

Modification:

Insert “and probe 18” after “test probe B”.

Add the following new definitions:

3.Z101
children
young persons comprising **very young children**, **young children** and **older children**

NOTE **Children** are not expected to perform cleaning or **user maintenance** of the appliance.

3.Z102
very young children
young persons aged from 0 up to and including 36 months

NOTE **Very young children** are not expected to use appliances.

3.Z103
young children
young persons older than 36 months and younger than 8 years

NOTE **Young children** are not expected to use appliances safely unless continuous supervision is given.

3.Z104
older children
young persons aged from 8 years up to and including 14 years

NOTE **Older children** can use appliances safely after they have been given appropriate supervision or instruction concerning **use of the appliance**.



Corrigendum to EN 60335-2-23:2003/A11:2010

English version

7.12.Z101 At the end of the first paragraph, starting with “The specific instructions...”, replace “at least 4 mm” by “at least 3 mm”.

June 2012

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60335-2-23/A1

May 2008

ICS 13.120; 97.170

English version

**Household and similar electrical appliances -
Safety -
Part 2-23: Particular requirements for appliances for skin or hair care
(IEC 60335-2-23:2003/A1:2008)**

Appareils électrodomestiques
et analogues -
Sécurité -
Partie 2-23: Règles particulières
pour les appareils destinés
aux soins de la peau ou des cheveux
(CEI 60335-2-23:2003/A1:2008)

Sicherheit elektrischer Geräte
für den Hausgebrauch
und ähnliche Zwecke -
Teil 2-23: Besondere Anforderungen
für Geräte zur Behandlung
von Haut oder Haar
(IEC 60335-2-23:2003/A1:2008)

This amendment A1 modifies the European Standard EN 60335-2-23:2003; it was approved by CENELEC on 2008-04-16. 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, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the 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 61/3411/FDIS, future amendment 1 to IEC 60335-2-23:2003, prepared by IEC Technical Committee 61, Safety of household and similar electrical appliances, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A1 to EN 60335-2-23:2003 on 2008-04-16.

The following dates are applicable:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2009-02-01
- date on which national standards conflicting with the amendment have to be withdrawn (dow) 2013-05-01

This amendment supplements or modifies the corresponding clauses of EN 60335-2-23:2003.

There are no special national conditions causing a deviation from this amendment.

There are no national deviations from this amendment.

p NOTE In this document, p is used in the margin to indicate instructions for preparing the printed version.

Endorsement notice

The text of amendment 1:2008 to the International Standard IEC 60335-2-23:2003 was approved by CENELEC as an amendment to the European Standard without any modification.

p In the Bibliography, add the following notes to the standards mentioned:

IEC 60335-2-17	NOTE Harmonized as EN 60335-2-17:2002 (not modified).
IEC 60335-2-65	NOTE Harmonized as EN 60335-2-65:2003 (not modified).
ISO 13732-1	NOTE Harmonized as EN ISO 13732-1:2006 (not modified).

p Add:

Annex ZC
(normative)

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

Replace the reference to ISO 3864 by:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO 3864-1	– ¹⁾	Graphical symbols – Safety colours and safety signs – Part 1: Design principles for safety signs in workplaces and public areas	–	–

¹⁾ Undated reference.

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IEC 60335-2-23

Edition 5.0 2008-01

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1 AMENDEMENT 1

**Household and similar electrical appliances – Safety –
Part 2-23: Particular requirements for appliances for skin or hair care**

**Appareils électrodomestiques et analogues – Sécurité –
Partie 2-23: Règles particulières pour les appareils destinés aux soins de la peau
ou des cheveux**



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- Electropedia: www.electropedia.org

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- Catalogue des publications de la CEI: www.iec.ch/searchpub/cur_fut-f.htm

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- Electropedia: www.electropedia.org

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- Service Clients: www.iec.ch/webstore/custserv/custserv_entry-f.htm

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IEC 60335-2-23

Edition 5.0 2008-01

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

**Household and similar electrical appliances – Safety –
Part 2-23: Particular requirements for appliances for skin or hair care**

**Appareils électrodomestiques et analogues – Sécurité –
Partie 2-23: Règles particulières pour les appareils destinés aux soins de la
peau ou des cheveux**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

PRICE CODE
CODE PRIX

D

FOREWORD

This amendment has been prepared by IEC technical committee 61: Safety of household and similar electrical appliances.

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

FDIS	Report on voting
61/3411/FDIS	61/3424/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 this amendment and the base publication will remain unchanged until the maintenance result 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.

NOTE The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations may need a transitional period following publication of a new, amended or revised IEC publication in which to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests.

It is the recommendation of the committee that the content of this amendment be adopted for implementation nationally not earlier than 12 months from the date of its publication.

INTRODUCTION

Replace the second sentence of the second paragraph by the following:

It also covers abnormal situations that can be expected in practice and takes into account the way in which electromagnetic phenomena can affect the safe operation of appliances.

Add the following note, after the fourth paragraph.

NOTE 1 For example, if appliances within the scope of this Part 2 include an ion generator, then IEC 60335-2-65 is applicable as far as is reasonable.

Replace the fifth paragraph by the following:

When a part 2 standard does not include additional requirements to cover hazards dealt with in Part 1, Part 1 applies.

NOTE 2 This means that the technical committees responsible for the part 2 standards have determined that it is not necessary to specify particular requirements for the appliance in question over and above the general requirements.

This standard is a product family standard dealing with the safety of appliances and takes precedence over horizontal and generic standards covering the same subject.

NOTE 3 Horizontal and generic standards covering a hazard are not applicable since they have been taken into consideration when developing the general and particular requirements for the IEC 60335 series of standards. For example, in the case of temperature requirements for surfaces on many appliances, generic standards, such as ISO 13732-1 for hot surfaces, are not applicable in addition to Part 1 or part 2 standards.

1 Scope

Replace the two dashed items in the fourth paragraph by the following:

- persons (including children) whose
 - physical, sensory or mental capabilities; or
 - lack of experience and knowledgeprevents them from using the appliance safely without supervision or instruction;
- children playing with the appliance.

In Note 105, add the following as a new fourth dashed item:

- blankets, pads, clothing and similar flexible heating appliances (IEC 60335-2-17);

2 Normative references

Replace the reference to ISO 3864 by the following:

ISO 3864-1, *Graphical symbols – Safety colours and safety signs – Part 1: Design principles for safety signs in workplaces and public areas*

7 Marking and instructions

7.1 *In the first paragraph of the addition, replace “5582 of IEC 60417-1” by “IEC 60417-5582 (2002-10)” and “ISO 3864” by “ISO 3864-1”.*

7.6 *In the addition, replace “5582 of IEC 60417-1” by “IEC 60417-5582 (2002-10)”.*

7.12 *In the last paragraph of the addition, replace “5582 of IEC 60417-1” by “IEC 60417-5582 (2002-10)”.*

7.14 *In the addition, replace “5582 of IEC 60417-1” by “IEC 60417-5582 (2002-10)”.*

19 Abnormal operation

19.101 *Replace the complete text of this subclause by the following:*

*Hairdryers are operated as specified in Clause 11 until steady conditions are established. The voltage at the terminals of the motor is then reduced until the running speed of the motor is just sufficient to prevent the **thermal cut-out** from operating, the power input to the heating element being maintained at 1,15 times **rated power input**.*

The voltage is decreased at

- 1 V per minute, for motors having a **working voltage** not exceeding 30 V;
- 5 V per minute, for motors having a **working voltage** exceeding 30 V.

The appliance is then operated until steady conditions are established.

EUROPEAN STANDARD

EN 60335-2-23

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2003

ICS 13.120; 97.170

Supersedes EN 60335-2-23:1996 + A1:2001

English version

**Household and similar electrical appliances -
Safety**

**Part 2-23: Particular requirements for appliances for skin or hair care
(IEC 60335-2-23:2003)**

Appareils électrodomestiques
et analogues -
Sécurité
Partie 2-23: Règles particulières
pour les appareils destinés
aux soins de la peau ou des cheveux
(CEI 60335-2-23:2003)

Sicherheit elektrischer Geräte für den
Hausgebrauch und ähnliche Zwecke
Teil 2-23: Besondere Anforderungen
für Geräte zur Behandlung
von Haut oder Haar
(IEC 60335-2-23:2003)

This European Standard was approved by CENELEC on 2003-05-01. 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.

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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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

Foreword

The text of the International Standard IEC 60335-2-23:2003 (61/2205/FDIS), prepared by the IEC Technical Committee 61, Safety of household and similar electrical appliances, was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 60335-2-23 on 2003-05-01.

This European Standard replaces EN 60335-2-23:1996 + A1:2001.

The following dates are applicable:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2004-05-01
- date on which national standards
conflicting with the EN have to be withdrawn (dow) 2006-05-01

This part 2 has to be used in conjunction with EN 60335-1, Household and similar electrical appliances – Safety – Part 1: General requirements. It was established on the basis of the 2002 edition of that standard. Amendments and revisions of Part 1 have also to be taken into account and the dates when such changes become applicable will be stated in the relevant amendment or revision of Part 1.

This part 2 supplements or modifies the corresponding clauses of EN 60335-1, so as to convert it into the European Standard: Safety requirements for electric appliances for skin or hair care.

When a particular subclause of Part 1 is not mentioned in this part 2, that subclause applies as far as is reasonable. When this standard states "addition", "modification" or "replacement", the relevant text of Part 1 is to be adapted accordingly.

NOTE 1 The following numbering system is used:

- subclauses, tables and figures that are numbered starting from 101 are additional to those in Part 1;
- unless notes are in a new subclause or involve notes in Part 1, they are numbered starting from 101, including those in a replaced clause or subclause;
- additional annexes are lettered AA, BB, etc.;
- subclauses, notes and annexes that are additional to those in the IEC standard are prefixed with the letter Z.

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 the associated noun are also in bold.

There are no special national conditions causing a deviation from this European Standard, other than those listed in Annex ZA to EN 60335-1.

There are no national deviations from this European Standard, other than those listed in Annex ZB to EN 60335-1.

p NOTE In this document, p is used in the margin to indicate instructions for preparing the printed version.

Introduction

p Add:

An investigation by CENELEC TC 61 has shown that all risks from products within the scope of this standard are fully covered by the Low Voltage Directive, 73/23/EEC. For products having mechanical moving parts, a risk assessment in accordance with the Machinery Directive, 98/37/EC, has shown that the risks are mainly of electrical origin and consequently this directive is not applicable. However, the relevant essential safety requirements of the Machinery Directive are covered by this standard together with the principal objectives of the Low Voltage Directive.

Endorsement notice

The text of the International Standard IEC 60335-2-23:2003 was approved by CENELEC as a European Standard without any modification.

p Add:

Annex ZC (normative)

Normative references to international publications with their corresponding European publications

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO 3864	– ¹⁾	Safety colours and safety signs	–	–

¹⁾ undated reference

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INTERNATIONAL STANDARD

IEC
60335-2-23

Fifth edition
2003-01

Household and similar electrical appliances – Safety –

Part 2-23: Particular requirements for appliances for skin or hair care

Appareils électrodomestiques et analogues – Sécurité –

*Partie 2-23:
Règles particulières pour les appareils destinés aux soins
de la peau ou des cheveux*



Reference number
IEC 60335-2-23:2003(E)

Publication numbering

As from 1 January 1997 all IEC publications are issued with a designation in the 60000 series. For example, IEC 34-1 is now referred to as IEC 60034-1.

Consolidated editions

The IEC is now publishing consolidated versions of its publications. For example, edition numbers 1.0, 1.1 and 1.2 refer, respectively, to the base publication, the base publication incorporating amendment 1 and the base publication incorporating amendments 1 and 2.

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INTERNATIONAL STANDARD

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Fifth edition
2003-01

Household and similar electrical appliances – Safety –

Part 2-23: Particular requirements for skin or hair care

Sécurité des appareils électrodomestiques et analogues –

*Partie 2-23:
Règles particulières pour les appareils destinés aux soins
de la peau ou des cheveux*

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Commission Electrotechnique Internationale
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES – SAFETY –

Part 2-23: Particular requirements for appliances for skin or hair care

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the 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, the IEC publishes International Standards. 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. The 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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- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

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

This fifth edition cancels and replaces the fourth edition published in 1996 and its amendment 1 (2000). It constitutes a technical revision.

The text of this part of 60335 is based on the following documents:

FDIS	Report on voting
61/2205/FDIS	61/2288/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 part 2 is to be used in conjunction with the latest edition of IEC 60335-1 and its amendments. It was established on the basis of the fourth edition (2001) of that standard.

NOTE 1 When "Part 1" is mentioned in this standard, it refers to IEC 60335-1.

This part 2 supplements or modifies the corresponding clauses in IEC 60335-1, so as to convert that publication into the IEC standard: Safety requirements for electric appliances for skin or hair care.

When a particular subclause of Part 1 is not mentioned in this part 2, that subclause applies as far as is reasonable. When this standard states “addition”, “modification” or “replacement”, the relevant text in Part 1 is to be adapted accordingly.

NOTE 2 The following numbering system is used:

- subclauses, tables and figures that are numbered starting from 101 are additional to those in Part 1;
- unless notes are in a new subclause or involve notes in Part 1, they are numbered starting from 101, including those in a replaced clause or subclause;
- additional annexes are lettered AA, BB, etc.

NOTE 3 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 the associated noun are also in bold.

The committee has decided that the contents of this publication will remain unchanged until 2004. At this date, the publication will be

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

The following differences exist in the countries indicated below.

- 3.1.9: Normal operation is different (USA).
- 6.1: Appliances fitted with a supply cord may be of class 0 or class 0I (Japan and USA).
- 6.2: The addition does not apply (USA).
- Clause 7: Additional markings and instructions are required (USA).
- 11.7: Rest periods are not allowed (USA).
- 11.101: The test is not carried out (USA).
- 19.2: Different methods are used to restrict heat dissipation (USA)
- 19.101: The temperature rise limits are different (USA).
- 21.101: The test is different (USA).
- Clause 22: Hand-held hairdryers are required to incorporate a protective device to comply with an immersion test (USA).
- 22.36: The requirement does not apply (Japan and USA).
- 22.102: The requirement does not apply (USA).
- 24.1.3: The number of cycles of operation is different (USA).
- 25.7: The use of PVC sheathed cords is not restricted by the surface temperature of the enclosure (Australia).
- 25.7: The addition does not apply (Japan).
- 25.7: PVC sheathed cords are not allowed if they could contact surfaces over 121 °C (USA).
- 25.8: The addition does not apply (Japan).
- 25.14: The test is different (USA).
- 25.101: The test is different (USA).

A bilingual version of this publication may be issued at a later date.

The contents of the corrigendum of July 2004 have been included in this copy.

INTRODUCTION

It has been assumed in the drafting of this International Standard that the execution of its provisions is entrusted to appropriately qualified and experienced persons.

This standard recognizes the internationally accepted level of protection against hazards such as electrical, mechanical, thermal, fire and radiation of appliances when operated as in normal use taking into account the manufacturer's instructions. It also covers abnormal situations that can be expected in practice.

This standard takes into account the requirements of IEC 60364 as far as possible so that there is compatibility with the wiring rules when the appliance is connected to the supply mains. However, national wiring rules may differ.

If an appliance within the scope of this standard also incorporates functions that are covered by another part 2 of IEC 60335, the relevant part 2 is applied to each function separately, as far as is reasonable. If applicable, the influence of one function on the other is taken into account.

This standard is a product family standard dealing with the safety of appliances and takes precedence over horizontal and generic standards covering the same subject.

An appliance that complies with the text of this standard will not necessarily be considered to comply with the safety principles of the standard if, when examined and tested, it is found to have other features that impair the level of safety covered by these requirements.

An appliance employing materials or having forms of construction differing from those detailed in the requirements of this standard may be examined and tested according to the intent of the requirements and, if found to be substantially equivalent, may be considered to comply with the standard.

HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES – SAFETY –

Part 2-23: Particular requirements for appliances for skin or hair care

1 Scope

This clause of Part 1 is replaced by the following.

This International Standard deals with the safety of electric appliances for the care of skin or hair of persons or animals and intended for household and similar purposes, their **rated voltage** being not more than 250 V.

NOTE 101 Examples of appliances that are within the scope of this standard are

- curling combs;
- curling irons;
- curling rollers with separate heaters;
- facial saunas;
- hairdryers;
- hand dryers;
- heaters with detachable curlers;
- permanent-wave appliances.

NOTE 102 Appliances covered by this standard may incorporate steam-producing or spray-producing devices.

Appliances not intended for normal household use but that nevertheless may be a source of danger to the public, such as appliances intended to be used by laymen in shops, in light industry and on farms, are within the scope of this standard.

NOTE 103 Examples are appliances for use in hairdressing salons.

As far as is practicable, this standard deals with the common hazards presented by appliances that are encountered by all persons in and around the home. However, in general, it does not take into account

- the use of appliances by young children or infirm persons without supervision;
- playing with the appliance by young children.

NOTE 104 Attention is drawn to the fact that

- for appliances intended to be used in vehicles or on board ships or aircraft, additional requirements may be necessary;
- in many countries additional requirements are specified by the national health authorities, the national authorities responsible for the protection of labour and similar authorities.

NOTE 105 This standard does not apply to

- appliances intended exclusively for industrial purposes;
- appliances intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas);
- shavers, hair clippers and similar appliances (IEC 60335-2-8);
- UV and IR radiation appliances (IEC 60335-2-27);
- sauna heating appliances (IEC 60335-2-53);
- appliances intended for medical purposes (IEC 60601).

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