UL 60335-2-8:2026

(IEC 60335-2-8:2012+A1:2015+A2:2018, MOD)

STANDARD FOR SAFETY

Household and Similar Electrical Appliances – Safety – Part 2-8: Particular Requirements for Shavers, Hair Clippers and Similar Appliances

UL Standard for Safety for Household and Similar Electrical Appliances – Safety – Part 2-8: Particular Requirements for Shavers, Hair Clippers and Similar Appliances, UL 60335-2-8

Seventh Edition, Dated March 31, 2025

Summary of Topics

This revision of ANSI/UL 60335-2-8 dated January 30, 2026 is a correction to remove 11.7DV, which was inadvertently retained from the Sixth Edition when the new Seventh Edition was published. 11.7DV was not part of the Proposed New Seventh Edition ballot dated August 30, 2024. Annex S numbering was also corrected based on the balloted document.

UL 60335-2-8 is an adoption of IEC 60335-2-8, Edition 6.2 issued by the IEC November 2018. Please note that the National Difference document incorporates all the U.S. national differences. [NOTE: This new edition only includes changes to the National Differences. The IEC edition 6.2 is the base document for both the previous (6th edition) and this new edition (7th edition).]

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Household and similar electrical appliances – Safety – Part 2-8: Particular requirements for shavers, hair clippers and similar appliances

March 31, 2025

(Title Page Reprinted: January 30, 2026)

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ANSI/UL 60335-2-8-2025

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Preface

This is the harmonized CSA Group and ULSE standard for Household and Similar Electrical Appliances – Safety – Part 2-8: Particular Requirements for Shavers, Hair Clippers and Similar Appliances. It is the fourth edition of CSA C22.2 No. 60335-2-8, and the seventh edition of UL 60335-2-8. This edition of CSA C22.2 No. 60335-2-8 supersedes the previous edition published February 29, 2016. This edition of UL 60335-2-8 supersedes the previous edition published June 25, 2018. This harmonized standard has been jointly revised on January 30, 2026. For this purpose, CSA Group and ULSE are issuing revision pages dated January 30, 2026.

This harmonized standard is based on IEC Publication 60335-2-8, edition 6.2, Household and similar electrical appliances – Safety – Part 2-8: Particular requirements for shavers, hair clippers and similar appliances issued November 2018. IEC 60335-2-8 is copyrighted by the IEC.

This harmonized standard was prepared by CSA Group and ULSE Inc. The efforts and support of the Technical Harmonization Committee, 60335-2-8, are gratefully acknowledged.

This standard is considered suitable for use for conformity assessment within the stated scope of the standard.

This standard was reviewed by the CSA Subcommittee on Safety of Household Electrical Appliances, under the jurisdiction of the CSA Technical Committee on Consumer and Commercial Products and the CSA Strategic Steering Committee on Requirements for Electrical Safety, and has been formally approved by the CSA Technical Committee. This Standard was also reviewed and approved by ULSE Technical Committee 60335-2-8. This standard has been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

Application of Standard

Where reference is made to a specific number of samples to be tested, the specified number is to be considered a minimum quantity.

Note: Although the intended primary application of this standard is stated in its scope, it is important to note that it remains the responsibility of the users of the standard to judge its suitability for their particular purpose.

CSA C22.2 No. 60335-2-8 is to be used in conjunction with the second edition of CAN/CSA-C22.2 No. 60335-1. The requirements for shavers, hair clippers and similar appliances are contained in this Part 2 Standard and CAN/CSA-C22.2 No. 60335-1. Requirements of this Part 2 Standard, where stated, amend the requirements of CAN/CSA-C22.2 No. 60335-1. Where a particular subclause of CAN/CSA-C22.2 No. 60335-1 is not mentioned in CSA C22.2 No. 60335-2-8, the CAN/CSA-C22.2 No. 60335-1 subclause applies.

ULSE Standard 60335-2-8 is to be used in conjunction with the sixth edition of UL 60335-1. The requirements for shavers, hair clippers and similar appliances are contained in this Part 2 Standard and UL 60335-1. Requirements of this Part 2 Standard, where stated, amend the requirements of UL 60335-1. Where a particular subclause of UL 60335-1 is not mentioned in UL 60335-2-8, the UL 60335-1 subclause applies.

Level of Harmonization

This standard adopts the IEC text with national differences.

This standard is published as an equivalent standard for CSA Group and ULSE.

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An equivalent standard is a standard that is substantially the same in technical content, except as follows: Technical national differences are allowed for codes and governmental regulations as well as those recognized as being in accordance with NAFTA Article 905, for example, because of fundamental climatic, geographical, technological, or infrastructural factors, scientific justification, or the level of protection that the country considers appropriate. Presentation is word for word except for editorial changes.

All national differences from the IEC text are included in the CSA Group and ULSE versions of the standard. While the technical content is the same in each organization's version, the format and presentation may differ.

Reasons for Differences From IEC

Differences from the IEC are being added in order to address safety and regulatory situations present in the US and Canada.

Interpretations

The interpretation by the standards development organization of an identical or equivalent standard is based on the literal text to determine compliance with the standard in accordance with the procedural rules of the standards development organization. If more than one interpretation of the literal text has been identified, a revision is to be proposed as soon as possible to each of the standards development organizations to more accurately reflect the intent.

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NATIONAL DIFFERENCES

National Differences from the text of International Electrotechnical Commission (IEC) Publication 60335-2-8, Household and Similar Electrical Appliances – Safety – Part 2-8: Particular Requirements for Shavers, Hair Clippers, and Similar Appliances copyright 2018 are indicated by notations (differences) and are presented in bold text. The national difference type is included in the body.

There are five types of National Differences as noted below. The difference type is noted on the first line of the National Difference in the standard. The standard may not include all types of these National Differences.

DR – These are National Differences based on the **national regulatory requirements**.

D1 – These are National Differences which are based on **basic safety principles and requirements**, elimination of which would compromise safety for consumers and users of products.

D2 – These are National Differences from IEC requirements based on existing **safety practices**. These requirements reflect national safety practices, where empirical substantiation (for the IEC or national requirement) is not available or the text has not been included in the IEC standard.

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FOREWORD

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This Consolidated version of IEC 60335-2-8 bears the edition number 6.2. It consists of the sixth edition (2012-12) [documents 61/4456/FDIS and 61/4510/RVD], its amendment 1 (2015-11) [documents 61/5000/FDIS and 61/5055/RVD] and its amendment 2 (2018-11) [documents 61/5710/FDIS and 61/5727/RVD]. The technical content is identical to the base edition and its amendments.

This part of International Standard IEC 60335 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 fifth edition of IEC 60335-2-8 are as follows (minor changes are not listed):

– modified requirements for animal shearers (6.1, 11.8, 22.36);

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– modified requirements for animal clippers (3.102, 11.8, 24.1.3);

– deleted reference to ISO 13732-1 from the Bibliography.

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

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 fifth edition (2010) 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 shavers, hair clippers and similar appliances.

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 as adjective, the adjective and the associated noun are also bold.

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

• reconfirmed,

• withdrawn,

• replaced by a revised edition, or

• amended.

NOTE 4 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.

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It is the recommendation of the committee that the content of this publication be adopted for implementation nationally not earlier than 12 months or later than 36 months from the date of publication.

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 following differences exist in the countries indicated below.

– 6.1: Class 0 appliances are allowed provided that their rated voltage does not exceed 150 V (Japan).

– 11.7: Appliances for household use are operated for 20 min. Other appliances are operated for 5 min with rest periods of 5 min (USA).

– 24.1.3: The test is carried out for 6 000 operations (USA).

– 25.7: Supply cords specially intended for use with electric shavers and hair clippers are allowed (USA).

– 25.14: The tests are not carried out (USA).

IMPORTANT – The 'colour inside' logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.

101DV DE *Modify the paragraph following Note 3 in the Part 2 IEC Foreword by replacing it with the following:*

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

102DV DE *Modify by adding the following text at the end of the Part 2 IEC Foreword:*

The numbering system in the standard uses a space instead of a comma to indicate thousands and uses a comma instead of a period to indicate a decimal point. For example, 1 000 means 1,000 and 1,01 means 1.01.

103DV D2 *Modify by deleting all of the country deviations from the Part 1 and the Part 2:*

Delete all the country deviations.

104DV DE *Modify Note 1 and the paragraph below it in the Part 2 Foreword by replacing it with the following:*

NOTE 1 When “Part 1” is mentioned in this Standard, it refers to CAN/CSA-C22.2 No. 60335-1:16 / UL 60335-1.

This part 2 supplements or modifies the corresponding clauses in CAN/CSA-C22.2 No. 60335-1 / UL 60335-1 (based on IEC 60335-1) so as to convert that publication into the CSA/UL standard: Safety requirements for shavers, hair clippers and similar appliances.

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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 and takes into account the way in which electromagnetic phenomena can affect the safe operation of appliances.

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.

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

NOTE 1 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 2 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.

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.

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HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES – SAFETY – Part 2-8: Particular requirements for shavers, hair clippers and similar appliances

1 Scope

This clause of Part 1 is replaced by the following.

BATTERY-OPERATED APPLIANCES and other d.c. supplied appliances are within the scope of this standard. Dual supply appliances, either mains-supplied or battery-operated, are regarded as BATTERY-OPERATED APPLIANCES when operated in the battery mode.

This International Standard deals with the safety of electric shavers, hair clippers and similar appliances intended for household and similar purposes, their RATED VOLTAGE being not more than 250 V.

NOTE 101 Examples of similar appliances are epilators and those appliances used for manicure, and pedicure.

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

NOTE 102 Examples of such appliances are ANIMAL CLIPPERS, ANIMAL SHEARERS and appliances for hairdressers.

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

– persons (including children) whose

- physical, sensory or mental capabilities; or
- lack of experience and knowledge

prevents them from using the appliance safely without supervision or instruction;

– children playing with the appliance.

NOTE 103 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 national health authorities, national authorities responsible for the protection of labour and similar authorities.

NOTE 104 This standard does not apply to

– 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);

– massage appliances (IEC 60335-2-32);

– appliances for medical purposes (IEC 60601).

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1DV.1 DR ***Modification to add the following after the first paragraph:***

This standard covers the above-noted products that are intended to be installed or used in accordance with:

– CSA C22.1, Canadian Electrical Code (CEC) Part I,

– NFPA 70, National Electrical Code (NEC), in the United States.

Hair clippers and shavers incorporating a suction feature to collect clippings or shavings during operation are also covered by this standard.

1DV.2 DR ***Modification by adding the following after Note 101 of the Part 2:***

This standard also covers:

Epilators; and

Hair Clippers and shavers incorporating a suction feature to collect clippings or shavings during operation.

1DV.3 D2 ***Modification of Note 104 of the Part 2 by adding the following dashed items:***

– lather makers (CSA C22.2 No. 64, UL 499);

– barber shop vacuum cleaners for use on persons (CSA C22.2 No. 243, UL 1017, CSA E60335-2-2);

– manicure, pedicure, or personal grooming appliances used for similar purposes (CSA C22.2 No. 60335-2-23, UL 859). However, hair clipping and shaving appliances supplied with manicure, pedicure, or other similar attachments or accessories are investigated under these requirements and such additional requirements as are applicable to the appliance under consideration; and

– lasers and intense light source hair removal devices (CSA-C22.2 No. 60601-1, CSA C22.2 No. 60335-2-113, AAMI ES60601-1, UL 60601-1 and UL 60335-2-113).

2 Normative references

This clause of Part 1 is applicable.

2DV DC ***Modification by adding the following to Clause 2 of the Part 2:***

Unless otherwise specified, any international standard within this Standard shall be replaced by a reference to the equivalent adopted Canadian and United States standard. The requirements of these Canadian and United States adopted Standards shall take precedence over International Standards on which they are based.

AAMI ES60601-1, ***Medical electrical equipment – Part 1: General requirements for basic safety and essential performance***

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CSA C22.2 No. 0, ***General requirements – Canadian Electrical Code, Part II***

CSA C22.1, ***Canadian Electrical Code (CEC) Part I***

CSA C22.2 No. 64, ***Household cooking and liquid-heating appliances***

CSA C22.2 No. 243, ***Vacuum cleaners, blower cleaners, and household floor finishing machines***

CSA C22.2 No. 60335-1, ***Household and similar electrical appliances – Part 1: General requirements***

CSA E60335-2-2, ***Household and similar electrical appliances – Safety – Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances***

CSA C22.2 No. 60335-2-23, ***Household and similar electrical appliances – Safety – Part 2-23: Particular requirements for appliances for skin or hair care***

CSA C22.2 No. 60335-2-113, ***Household and similar electrical appliances – Safety – Part 2-113: Particular requirements for cosmetic and beauty care appliances incorporating lasers and intense light sources***

CAN/CSA-C22.2 No. 60601-1, ***Medical electrical equipment – Part 1: General requirements for basic safety and essential performance***

NFPA 70, ***National Electrical Code (NEC)***

UL 499, ***Electric Heating Appliances***

UL 746C, ***Standard for Polymeric Materials – Use in Electrical Equipment Evaluations***

UL 859, ***Standard for Household Electric Personal Grooming Appliances***

UL 1017, ***Vacuum Cleaners, Blower Cleaners, and Household Floor Finishing Machines***

UL 4200A, ***Products Incorporating Button Batteries or Coin Cell Batteries***

UL 60335-1, ***Safety Standard for Household and Similar Electrical Appliances, Part 1: General Requirements***

UL 60335-2-113, ***Household and Similar Electrical Appliances – Safety – Part 2-113: Particular Requirements for Beauty Care Appliances Incorporating Lasers and Intense Light Sources***

UL 60601-1, ***Medical Electrical Equipment, Part 1: General Requirements for Safety***

3 Terms and definitions

This clause of Part 1 is applicable except as follows.

3.1.9 *Replacement:*

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