Irish Standard
I.S. EN IEC 63008:2020

Household and similar electrical appliances - Accessibility of control elements, doors, lids, drawers and handles

I.S. EN IEC 63008:2020

Incorporating amendments/corrigenda/National Annexes issued since publication:

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National Foreword

I.S. EN IEC 63008:2020 is the adopted Irish version of the European Document EN IEC 63008:2020, Household and similar electrical appliances - Accessibility of control elements, doors, lids, drawers and handles

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

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 63008

May 2020

ICS 97.030

English Version

Household and similar electrical appliances - Accessibility of control elements, doors, lids, drawers and handles (IEC 63008:2020)

Appareils électrodomestiques et analogues - Accessibilité des éléments de commande, portes, abattants, tiroirs et poignées
(IEC 63008:2020)

Elektrische Geräte für den Hausgebrauch und ähnliche Zwecke - Barrierefreiheit von Bedienelementen, Türen, Deckeln, Einschüben und Griffen
(IEC 63008:2020)

This European Standard was approved by CENELEC on 2020-05-01. 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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This European Standard 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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, 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: Rue de la Science 23, B-1040 Brussels

European foreword

The text of document 59/720/FDIS, future edition 1 of IEC 63008, prepared by IEC/TC 59 "Performance of household and similar electrical appliances" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63008:2020.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2021-02-01
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-05-01

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

Endorsement notice

The text of the International Standard IEC 63008:2020 was approved by CENELEC as a European Standard without any modification.

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

ISO/IEC Guide 71:2014	NOTE	Harmonized as CEN/CLC Guide 6:2014 (not modified)
ISO 9241-112:2017	NOTE	Harmonized as EN ISO 9241-112:2017 (not modified)
ISO 26800:2011	NOTE	Harmonized as EN ISO 26800:2011 (not modified)
ISO 24551:2019	NOTE	Harmonized as EN ISO 24551:2019 (not modified)
ISO 24503:2011	NOTE	Harmonized as EN ISO 24503:2011 (not modified)

Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 60417	-	Graphical symbols for use on equipment	-	-
IEC/TS 62835	2015	Electric toasters for household and similar use - Methods and measurements for improving accessibility	-	-
IEC/IEEE 82079-1	2019	Preparation of information for use (instructions for use) of products - Part 1: Principles and general requirements	EN IEC/IEEE 82079-1	2020
ISO 7000	-	Graphical symbols for use on equipment	-	-
ISO 7010	-	Graphical symbols - Safety colours and safety signs - Registered safety signs	-	-
ISO 15008	2017	Road vehicles - Ergonomic aspects of transport information and control systems - Specifications and test procedures for in-vehicle visual presentation	EN ISO 15008	2017
ISO/TR 22411	2008	Ergonomics data and guidelines for the application of ISO/IEC Guide 71 to products and services to address the needs of older persons and persons with disabilities	CEN ISO/TR 22411	2011
ISO 80000-1	2009	Quantities and units - Part 1: General	EN ISO 80000-1	2013
ISO 8995-1	2002	Lighting of work places - Part 1: Indoor	-	-

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

Household and similar electrical appliances – Accessibility of control elements, doors, lids, drawers and handles

Appareils électrodomestiques et analogues – Accessibilité des éléments de commande, portes, abattants, tiroirs et poignées

IEC 63008 :2020-03(en-fr)

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES – ACCESSIBILITY OF CONTROL ELEMENTS, DOORS, LIDS, DRAWERS AND HANDLES

FOREWORD

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IEC 63008 has been prepared by IEC technical committee 59: Performance of household and similar electrical appliances.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
59/720/FDIS	59/723/RVD

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

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

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific document. At this date, the document will be

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

INTRODUCTION

Ever greater demands are now being placed on the accessibility of products, but, despite this, there has been no easily available data for assessing and evaluating household appliances from an accessibility perspective. An effective way to conduct product development is to work on the basis of adequate testing methods for assessing various properties, as accessibility recommendations can be formulated more clearly and be given greater emphasis during the development of household and similar appliances. It is important that accessibility properties be prioritized alongside functional, technical and production-related properties.

For this purpose, an inventory of sources with a product-accessibility focus has been drawn up, which has given useful basic information and data for setting recommendations for the design of household appliances. This International Standard on control elements, doors, lids, drawers and handles is a result of this work, and provides information in the form of accessibility facts and an understanding of the interaction of appliances and users with a wide range of abilities.

This document provides requirements, recommendations and measurements for specified product characteristics, i.e. related to control elements, doors, lids, drawers and handles of household and similar appliances. This contributes to their accessibility and underlying ergonomic principles. However, products may have other aspects that are not covered in this document, that might not be accessible. This information originates from scientific knowledge and the theory of ergonomics, physiology, product design and other relevant disciplines. This document applies ISO/IEC Guide 71:2014 and ISO/TR 22411:2008 to household and similar appliances. Data is drawn from ISO/TR 22411:2008 and, if not specified there, from other sources.

The purpose of designing and evaluating household and similar appliances with regard to accessibility is to maximize the number of people who can readily use the products. A more accessible product considers specific product characteristics. Such products are easier to use and beneficial for all users. This document explains the characteristics that meet the needs and abilities of an intended user in relation to control elements, doors, lids, drawers and handles.

HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES – ACCESSIBILITY OF CONTROL ELEMENTS, DOORS, LIDS, DRAWERS AND HANDLES

1 Scope

This document contains accessibility requirements to enable more accessible use of certain elements found on household and similar electrical appliances by older persons and persons with disabilities. It provides guidance to achieve accessible design of only control elements (e.g. knobs, buttons), including control panels, display screens and doors, lids, drawers and handles. It does not enable the full assessment of the overall accessibility of a household appliance. This document covers supporting and auxiliary functions that a user performs regularly. Assembly, installation, configuration or repair of appliances are excluded.

This document provides test methods and data that support accessible design.

This document gives guidance to apply ISO/TR 22441:2008 and ISO/IEC Guide 71:2014 to the design of various interactive elements of household and similar electrical appliances. It does not deal with remote controls, or control via network or mobile applications. Touch control elements are covered in this document (see also Annex A), but new interaction controls, such as gestures and speech control, are not covered.

This document does not deal with safety issues.

NOTE IEC 60335 (all parts) sets out requirements on safety issues, e.g. surface temperatures and sharp edges.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60417, *Graphical symbols for use on equipment* (available at http://www.graphical-symbols.info/equipment)

IEC TS 62835:2015, *Electric toasters for household and similar use – Methods and measurements for improving accessibility*

IEC/IEEE 82079-1:2019, *Preparation of information for use (instructions for use) of products – Part 1: Principles and general requirements*

ISO 7000, *Graphical symbols for use on equipment* (available at http://www.graphical-symbols.info/equipment)

ISO 7010, *Graphical symbols – Safety colours and safety signs – Registered safety signs*

ISO 15008:2017, *Road vehicles – Ergonomic aspects of transport information and control systems – Specifications and test procedures for in-vehicle visual presentation*

ISO/TR 22411:2008, *Ergonomics data and guidelines for the application of ISO/IEC Guide 71 to products and services to address the needs of older persons and persons with disabilities*