



NSAI
Standards

Irish Standard
I.S. EN 62944:2017

Audio, video and multimedia systems and equipment - Digital television accessibility - Functional specifications

I.S. EN 62944:2017

Incorporating amendments/corrigenda/National Annexes issued since publication:

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National Foreword

I.S. EN 62944:2017 is the adopted Irish version of the European Document EN 62944:2017, Audio, video and multimedia systems and equipment - Digital television accessibility - Functional specifications

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EUROPEAN STANDARD

EN 62944

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2017

ICS 11.180.99; 33.160.01; 35.240.95

English Version

**Audio, video and multimedia systems and equipment - Digital
television accessibility - Functional specifications
(IEC 62944:2016)**

Systèmes et équipements audio, vidéo et multimédia -
Accessibilité à la télévision numérique - Spécifications
fonctionnelles
(IEC 62944:2016)

Barrierefreiheit des digitalen Fernsehens - Funktionale
Festlegungen
(IEC 62944:2016)

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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

EN 62944:2017**European foreword**

The text of document 100/2640/CDV, future edition 1 of IEC 62944, prepared by Technical Area 16 “Active assisted living (AAL), accessibility and user interfaces” of IEC/TC 100 “Audio, video and multimedia systems and equipment” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62944:2017.

The following dates are fixed:

- latest date by which the document has to be (dop) 2017-12-16
implemented at national level by
publication of an identical national
standard or by endorsement
- latest date by which the national (dow) 2020-06-16
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IEC 60118-4:2014	NOTE	Harmonized as EN 60118-4:2015.
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ISO 7731:2003	NOTE	Harmonized as EN ISO 7731:2008.
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Annex ZA

(normative)

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

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62731	2013	Text-to-speech for television - General requirements	EN 62731	2013
ISO 7001	2007	Graphical symbols_ - Public information symbols	-	-
ISO 24500	2010	Ergonomics_ - Accessible design_ - Auditory signals for consumer products	EN ISO 24500	2010
ISO 24501	2010	Ergonomics - Accessible design - Sound pressure levels of auditory signals for consumer products	EN ISO 24501	2010
ISO 24503	2011	Ergonomics - Accessible design - Tactile dots and bars on consumer products	EN ISO 24503	2011

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IEC 62944

Edition 1.0 2016-12

INTERNATIONAL STANDARD

**Audio, video and multimedia systems and equipment – Digital television
accessibility – Functional specifications**



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IEC 62944

Edition 1.0 2016-12

INTERNATIONAL STANDARD

**Audio, video and multimedia systems and equipment – Digital television
accessibility – Functional specifications**

INTERNATIONAL
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**AUDIO, VIDEO AND MULTIMEDIA SYSTEMS AND EQUIPMENT –
DIGITAL TELEVISION ACCESSIBILITY – FUNCTIONAL SPECIFICATIONS****FOREWORD**

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International Standard IEC 62944 has been prepared by technical area 16: Active assisted living (AAL), accessibility and user interfaces, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

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

CDV	Report on voting
100/2640/CDV	100/2795/RVC

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.

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

AUDIO, VIDEO AND MULTIMEDIA SYSTEMS AND EQUIPMENT – DIGITAL TELEVISION ACCESSIBILITY – FUNCTIONAL SPECIFICATIONS

1 Scope

This document specifies a set of principles and considerations for digital television products in support of older people and persons with disabilities in addition to mainstream users. The effect of following the principles and considerations as set out in this document is to ensure that the widest range of users can access, understand and use digital television products. These principles and considerations cover four main user profiles such as individuals with hearing impairments, individuals with sight impairments, individuals with mobility impairments and individuals with cognitive impairments.

This document applies to consumer solutions whose primary function is to receive digital television, such as integrated digital televisions, set top boxes, digital television recorders and equivalent products and devices (see Annex D). All these solutions are referred to as digital television solutions throughout this document. The standard does not cover solutions that support digital television as a secondary function (for instance gaming consoles or computers with digital receiver cards). However, much of the content also provides for future solutions and/or implementations. This document does not cover delivery, unpacking, secure installation on a stand or wall mounting or first time connection of the power and signals.

2 Normative references

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IEC 62731:2013, *Text-to-speech for television – General requirements*

ISO 7001:2007, *Graphical symbols – Public information symbols*

ISO 24500:2010, *Ergonomics – Accessible design – Auditory signals for consumer products*

ISO 24501:2010, *Ergonomics – Accessible design – Sound pressure levels of auditory signals for consumer products*

ISO 24503:2011, *Ergonomics – Accessible design – Tactile dots and bars on consumer products*

3 Terms, definitions and abbreviated terms

3.1 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

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