

STN	Audio, video a multimediálne systémy a zariadenia Dostupnosť digitálneho televízneho vysielania Funkčné špecifikácie	STN EN 62944 36 8375
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Audio, video and multimedia systems and equipment - Digital television accessibility - Functional specifications

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 09/17

Obsahuje: EN 62944:2017, IEC 62944:2016

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Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2017
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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 62944

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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Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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

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



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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CONTENTS

FOREWORD	5
1 Scope	7
2 Normative references	7
3 Terms, definitions and abbreviated terms	7
3.1 Terms and definitions	7
3.2 Abbreviated terms	9
4 General	10
4.1 Overview	10
4.2 Objective	10
4.3 Summary	10
4.4 Principles	11
4.5 Considerations	11
5 Accessibility related to auditory perception	11
5.1 Overview	11
5.2 Essential functions	11
5.2.1 List of functions	11
5.2.2 Closed captioning	12
5.2.3 Subtitles	12
5.2.4 (Open) Sign language	12
5.3 Additional functions	13
6 Accessibility related to visual perception	13
6.1 Overview	13
6.2 Essential functions	13
6.2.1 List of functions	13
6.2.2 Audio description	14
6.2.3 Spoken subtitles	14
6.3 Additional functions	14
6.4 Solutions for users with little or no visual perception	14
6.4.1 Physical buttons and keys	14
6.4.2 Assistive speech	16
6.4.3 Tone-based feedback	17
6.4.4 Speech recognition	18
6.5 Solutions for users with low visual perception	18
6.5.1 Overview	18
6.5.2 Large fonts, icons, and buttons	18
6.5.3 Screen magnifier	19
6.5.4 Arrows	20
6.5.5 High contrast	20
6.5.6 Background images	20
6.6 Solutions for those with limited colour vision perception	20
7 Accessibility related to mobility	20
7.1 Overview	20
7.2 Functions	21
7.2.1 General	21
7.2.2 Single hand operation	21
7.2.3 Single button operation	21

7.2.4	Resting the remote control on a surface	21
7.2.5	Angle of use	21
8	Accessibility related to cognitive abilities	21
8.1	Overview.....	21
8.2	Language.....	22
8.3	Icons.....	22
8.4	Labels.....	22
8.5	Buttons	22
8.6	Use of red	22
8.7	Simplicity	22
9	Accessibility related all (other) perception	22
9.1	Setup.....	22
9.1.1	Overview	22
9.1.2	Entering account and authorisation information	23
9.1.3	Suggested sequence for initial setup	23
9.2	Content search	24
Annex A (informative)	Remote controls and buttons	26
Annex B (informative)	On screen display	28
Annex C (informative)	Content	29
C.1	General.....	29
C.2	Closed captioning	29
C.3	Spoken subtitles	29
C.4	Subtitles	29
C.5	(Open) Sign language	30
Annex D (informative)	External devices.....	31
D.1	Overview.....	31
D.2	Pairing with external devices.....	31
D.3	External audio/headphone connections	32
D.4	Support for USB human interface input/output devices	32
Annex E (informative)	Background	33
E.1	Widest range of users	33
E.2	Context of use	33
E.3	Accessibility considerations	34
E.4	Accessibility principles	34
E.4.1	General	34
E.4.2	Functional equivalency	35
E.4.3	User interface accessibility	35
E.4.4	Content accessibility	35
E.4.5	Accessibility through external solutions	36
E.4.6	Evaluating accessibility and usability	36
E.4.7	Multi-modality	37
Annex F (informative)	Brief user profile outline	38
F.1	Preliminary remarks	38
F.2	Key demographic groups	38
F.2.1	Blind and partially sighted people	38
F.2.2	People with colour blindness	39
F.2.3	Deaf and hard of hearing people.....	39
F.2.4	People with physical disabilities.....	40

F.2.5	People with cognitive disabilities	40
F.2.6	Older people	41
F.3	Key statistics	41
Annex G (informative)	Guidance on use of colours	42
Annex H (informative)	User abilities, characteristics and preferences – Environment and context of use	43
Annex I (informative)	Future access services	44
Annex J (informative)	FCC user interface rules	45
Bibliography	46
Figure 1	– Recommended layout of numeric keys	16
Figure A.1	– Layout of numeric keys in Japan	27
Table H.1	– User abilities, characteristics and preferences	43

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

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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.

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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*

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