

INTERNATIONAL STANDARD

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





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

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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:

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| 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.

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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- withdrawn,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

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 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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