

# INTERNATIONAL STANDARD

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**Text-to-speech for television – General requirements**





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IEC 62731

Edition 2.0 2018-01

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**Text-to-speech for television – General requirements**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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ICS 33.160.25; 33.160.99

ISBN 978-2-8322-5125-6

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# INTERNATIONAL ELECTROTECHNICAL COMMISSION

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## TEXT-TO-SPEECH FOR TELEVISION – GENERAL REQUIREMENTS

### FOREWORD

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International Standard IEC 62731 has been prepared by IEC technical committee 100: Audio, video and multimedia systems and equipment.

This second edition cancels and replaces the first edition published in 2013. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) in 6.2, the levels of announcement quality were revised as well as considerations for ways in which device users can provide service providers with feedback on incorrectly announced terms.
- b) in 6.3, the following TV functionality was added: the TV can receive updated words, associated conversions and updated conversion rules for the TTS engine via a network connection.

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

FDIS	Report on voting
100/2989/FDIS	100/3013/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- withdrawn,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.

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

# TEXT-TO-SPEECH FOR TELEVISION – GENERAL REQUIREMENTS

## 1 Scope

This International Standard specifies the text-to-speech functionality for a (broadcast) receiver with a text-to-speech system. Such a system may be one device, i.e. a receiver with an integrated text-to-speech generator, or may be two devices, i.e. a receiver interfacing with an external text-to-speech device. This document applies only to completely functional stationary (or semi-stationary) digital TV receivers such as set top boxes, integrated digital TVs, recorders and other products whose primary function is to receive TV content. Where this document refers to TV, this will be shorthand for all such receivers.

This document does not apply to products that are capable of receiving TV as a secondary function (e.g. PCs or game consoles with digital television receivers). It also does not apply to sub-assemblies (e.g. PC tuner cards).

## 2 Normative references

There are no normative references in this document.

## 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:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

#### 3.1.1 context

one specific function of a TV

EXAMPLE: Watching TV, EPG.

#### 3.1.2 DTV broadcast event classification

general category of programme/event content, or its classification

EXAMPLES: Movie (drama), news/current affairs, talk show, sports (football).

#### 3.1.3 EPG filter

filter that organises or reduces the list of displayed EPG items according to certain criteria

EXAMPLES Of criteria are to show only:

- programmes with a certain content type;
- favourites;
- programmes that are audio described;
- programmes for a given time period (for instance "today", "tomorrow", "next 7 days").