

INTERNATIONAL STANDARD

**Digital audio – Interface for non-linear pcm encoded audio bitstreams applying
IEC 60958 –
Part 14: Non-linear PCM bit streams according to the AC-4 format**





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APPLYING IEC 60958 –**

Part 14: Non-linear PCM bit streams according to the AC-4 format

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

CDV	Report on voting
100/2723/CDV	100/2932/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.

A list of all parts of IEC 61937, under the general title *Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958* can be found on the IEC website.

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

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DIGITAL AUDIO – INTERFACE FOR NON-LINEAR PCM ENCODED AUDIO BITSTREAMS APPLYING IEC 60958 –

Part 14: Non-linear PCM bit streams according to the AC-4 format

1 Scope

This part of IEC 61937 describes the method to convey non-linear PCM bit streams encoded according to the AC-4 format.

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 60958 (all parts), *Digital audio interface*

IEC 61937-1:2007, *Digital audio interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 1: General*

IEC 61937-1:2007/AMD1:2011, *Digital audio interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 1: General*

IEC 61937-2, *Digital audio interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 2: Burst Information*

ETSI TS 103 190 v.1.1.1, 2014, *Digital Audio Compression (AC-4) Standard*

3 Terms, definitions and abbreviated terms

For the purpose of this standard, the following definitions and abbreviations 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 AC-4 frame

AC-4 sync frame, as specified in Annex A

3.2 audio frame rate

number of AC-4 audio frames per second, indicated by the value of the *frame_rate_index* AC-4 bit stream parameter as specified in ETSI TS 103 190