

INTERNATIONAL STANDARD

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**Digital audio – Interface for non-linear PCM Encoded audio bitstreams applying IEC 60958 –
Part 1: General**

**Audionumérique – Interface pour les flux de bits audio à codage MIC non linéaire selon l'IEC 60958 –
Partie 1: Généralités**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

Part 1: General

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This third edition cancels and replaces the second edition published in 2007, and amendment 1 published in 2011. This edition constitutes a technical revision.

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

- a) Activation of Pe field;
- b) Enhanced usage of channel status bits.
- c) Addition of Annex B.

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

Draft	Report on voting
100/3447/CDV	100/3522/RVC

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

The list of all the 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.

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

Part 1: General

1 Scope

This part of IEC 61937 applies to the digital audio interface using the IEC 60958 series for the conveying of non-linear PCM encoded audio bitstreams.

It describes the way in which this digital interface can be used in consumer applications.

The professional mode is not considered within the scope of this document.

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 60958-1, *Digital audio interface – Part 1: General*

IEC 60958-3, *Digital audio interface – Part 3: Consumer applications*

IEC 60958-5, *Digital audio interface – Part 5: Consumer application enhancement*

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

3 Terms, definitions, and presentation

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

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3.1 Terms and definitions

3.1.1

audio data-burst

data-burst with an encoded audio frame as burst-payload

3.1.2

audio data-word

16-bit data word