

Digital Audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 6: Non-linear PCM bitstreams according to the MPEG-2 AAC format

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 61937-6:2003 sisaldab Euroopa standardi EN 61937-6:2002 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 15.01.2003 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

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This standard is ratified with the order of Estonian Centre for Standardisation dated 15.01.2003 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

The standard is available from Estonian standardisation organisation.

ICS 33.160.60, 35.040

interfaces (data processing), property, radio equipment, radio receivers, radiocommunications, receivers, signal transmission, sound reproduction, sound transmission, specification (approval), specifications, television broadcasting

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**Digital Audio -
Interface for non-linear PCM encoded audio bitstreams
applying IEC 60958**

**Part 6: Non-linear PCM bitstreams according to the MPEG-2 AAC format
(IEC 61937-6:2002)**

Audionumérique -
Interface pour les flux de bits audio
à codage PCM MIC non linéaire
conformément à la CEI 60958
Partie 6: Flux de bits PCM non linéaire
conformément au format AAC MPEG-2
(CEI 61937-6:2002)

Digitalton -
Schnittstelle für nichtlinear-PCM-codierte
Audio-Bitströme
unter Verwendung von IEC 60958
Teil 6: Nichtlineare PCM-Bitströme
nach MPEG-2 AAC-Format
(IEC 61937-6:2002)

This European Standard was approved by CENELEC on 2002-10-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 100/500/FDIS, future edition 1 of IEC 61937-6, prepared by IEC TC 100, Audio, video and multimedia systems and equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61937-6 on 2002-10-01.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2003-07-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2005-10-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annex ZA is normative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61937-6:2002 was approved by CENELEC as a European Standard without any modification.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60958-1	- ¹⁾	Digital audio interface Part 1: General	EN 60958-1	2000 ²⁾
IEC 60958-3	- ¹⁾	Part 3: Consumer applications	EN 60958-3	2000 ²⁾
IEC 61937-1	- ³⁾	Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 Part 1: General	-	-
IEC 61937-2	- ³⁾	Part 2: Burst information	-	-
ISO/IEC 13818-7	- ¹⁾	Information technology - Generic coding of moving pictures and associated audio information Part 7: Advanced Audio Coding (AAC)	-	-

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

³⁾ At draft stage.

INTERNATIONAL STANDARD

IEC
61937-6

First edition
2002-08

Digital audio –
Interface for non-linear PCM encoded
audio bitstreams applying IEC 60958 –

Part 6:
Non-linear PCM bitstreams according to
the MPEG-2 AAC format



Reference number
IEC 61937-6:2002(E)

Publication numbering

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Consolidated editions

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Commission Electrotechnique Internationale
International Electrotechnical Commission
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

**Part 6: Non-linear PCM bitstreams according to
the MPEG-2 AAC format**

FOREWORD

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International Standard IEC 61937-6 has been prepared by technical area 4, Digital system interfaces, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

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

FDIS	Report on voting
100/500/FDIS	100/536/RVD

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until 2005. At this date, the publication will be:

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

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

Part 6: Non-linear PCM bitstreams according to the MPEG-2 AAC format

1 Scope

This part of IEC 61937 specifies the method for the digital audio interface specified in IEC 60958 to convey non-linear PCM bitstreams encoded in accordance with the MPEG-2 AAC (Advanced Audio Coding) format.

NOTE MPEG-2 AAC is specified in ISO/IEC 13818-7.

2 Normative references

The following referenced documents are indispensable for the application 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 61937-1, *Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 1: General*¹

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

ISO/IEC 13818-7, *Information technology – Generic coding of moving pictures and associated audio information – Part 7: Advanced Audio Coding (AAC)*

3 Definitions and terminology

3.1 Definitions

For the purposes of this standard, the following definitions apply.

3.1.1

LC profile

low complexity profile identified in ISO/IEC 13818-7: MPEG-2 AAC standard

3.1.2

latency

delay time of an external audio decoder to decode a MPEG-2 AAC data-burst defined as the sum of two values of the receiving delay time and the decoding delay time

3.2 Abbreviations

AAC Advanced Audio Coding

ADTS Audio Data Transport Stream

¹ To be published.