

SLOVENSKI STANDARD

SIST EN 61937-6:2007

01-januar-2007

Nadomešča:

SIST EN 61937-6:2003

Digitalni avdio - Vmesnik za nelinearne bitne struje, kodirane s PCM z uporabo standarda IEC 60958 - 6. del: Nelinearne PCM-bitne struje po zvokovnih formatih MPEG-2 AAC in MPEG-4 AAC (IEC 61937-6:2006)

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 and MPEG-4 AAC audio formats

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Digitalton - Schnittstelle für nichtlinear-PCM-codierte Audio-Bitströme unter Verwendung von IEC 60958 -- Teil 6: Nichtlineare PCM-Bitströme nach MPEG-2 AAC- und MPEG-4 AAC-Audio-Formaten

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Audionumérique - Interface pour les flux de bits audio à codage MIC non linéaire, conformément à la CEI 60958 -- Partie 6: Flux de bits MIC non linéaire selon les formats MPEG-2 AAC et MPEG-4 AAC

Ta slovenski standard je istoveten z: EN 61937-6:2006

ICS:

33.160.30	Avdio sistemi	Audio systems
35.200	Vmesniška in povezovalna oprema	Interface and interconnection equipment

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61937-6

July 2006

ICS 33.160.60, 35.040

Supersedes EN 61937-6:2002

English version

**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
and MPEG-4 AAC audio formats
(IEC 61937-6:2006)**

Audionumérique –
Interface pour les flux de bits audio
à codage MIC non linéaire,
conformément à la CEI 60958
Partie 6: Flux de bits MIC non linéaire
selon les formats MPEG-2 AAC
et MPEG-4 AAC
(CEI 61937-6:2006)

Digitalton –
Schnittstelle für nichtlinear-PCM-codierte
Audio-Bitströme unter Verwendung
von IEC 60958
Teil 6: Nichtlineare PCM-Bitströme
nach MPEG-2 AAC- und MPEG-4 AAC-
Audio-Formaten
(IEC 61937-6:2006)

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This European Standard was approved by CENELEC on 2006-07-01. 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.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in two official versions (English and German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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 the International Standard IEC 61937-6:2006, prepared by IEC TC 100, Audio, video and multimedia systems and equipment, was submitted to the formal vote and was approved by CENELEC as EN 61937-6 on 2006-07-01 without any modification.

This European Standard supersedes EN 61937-6:2002.

It includes the following significant technical changes with respect to EN 61937-6:2002:

- a) addition of data-type for MPEG2 AAC low sampling frequency;
- b) addition of data-type for MPEG-4 AAC.

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) 2007-07-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2009-07-01

Annex ZA has been added by CENELEC.

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The text of the International Standard IEC 61937-6:2006 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

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	Series	Digital audio interface	EN 60958	Series
IEC 61937	Series	Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958	EN 61937	Series
IEC 61937-1	- ¹⁾	Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 Part 1: General	EN 61937-1	2003 ²⁾
IEC 61937-2	- ¹⁾	Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 Part 2: Burst-info	EN 61937-2	2003 ²⁾
ISO/IEC 13818-7	2004	Information technology - Generic coding of moving pictures and associated audio information Part 7: Advanced Audio Coding (AAC)	-	-
ISO/IEC 14496-3 + A1	2001 2003	Information technology - Coding of audio-visual objects Part 3: Audio	-	-

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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INTERNATIONAL STANDARD

IEC 61937-6

Second edition
2006-01

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 and MPEG-4 AAC audio formats

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

PRICE CODE

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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 and MPEG-4 AAC formats**

FOREWORD

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

This second edition of IEC 61937-6 cancels and replaces the first edition published in 2002. This edition contains the following significant technical changes with respect to the previous edition:

- a) addition of data-type for MPEG2 AAC low sampling frequency;
- b) addition of data-type for MPEG-4 AAC.

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

CDV	Report on voting
100/942/CDV	100/1043A/RVC

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.

IEC 61937 consists of the following parts under the general title *Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958*:

- Part 1: General
- Part 2: Burst-info
- Part 3: Non-linear bitstreams according to the AC-3 format
- Part 4: Non-linear PCM bitstreams according to the MPEG audio formats
- Part 5: Non-linear PCM bitstreams according to the DTS (Digital Theater Systems) format(s)
- Part 6: Non-linear PCM bitstreams according to the MPEG-2 AAC and MPEG-4 AAC formats
- Part 7: Non-linear PCM bitstreams according to the ATRAC, ATRAC2/3 and ATRAC-X formats

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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

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