
Digitalni avdio-vmesnik za nelinearne PCM-kodirane avdio bitne tokove po IEC 60958 - 3. del: Nelinearni PCM bitni tokovi glede na format AC-3 (IEC 61937-3:2003)

Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 -- Part 3: Non-linear PCM bitstreams according to the AC-3 format

Digitalton - Schnittstelle für nichtlinear-PCM-codierte Audio-Bitströme unter Verwendung von IEC 60958 -- Teil 3: Nichtlineare PCM-Bitströme nach dem AC-3 Format

Audionumérique - Interface pour les flux de bits audio à codage MIC non linéaire conformément à la CEI 60958 -- Partie 3: Flux de bits PCM non-linéaire selon le format AC-3

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Ta slovenski standard je istoveten z: EN 61937-3:2003

ICS:

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

SIST EN 61937-3:2004**en**

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EUROPEAN STANDARD

EN 61937-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2003

ICS 33.160.30

English version

**Digital audio -
Interface for non-linear PCM encoded audio bitstreams
applying IEC 60958
Part 3: Non-linear PCM bitstreams according to the AC-3 format
(IEC 61937-3:2003)**

Audionumérique -
Interface pour les flux de bits audio
à codage MIC non linéaire
conformément à la CEI 60958
Partie 3: Flux de bits PCM non-linéaire
selon le format AC-3
(CEI 61937-3:2003)

Digitalton -
Schnittstelle für nichtlinear-PCM-codierte
Audio-Bitströme unter Verwendung
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Teil 3: Nichtlineare PCM-Bitströme
nach dem AC-3 Format
(IEC 61937-3:2003)

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This European Standard was approved by CENELEC on 2003-10-01. 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.

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 three official versions (English, French, 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Lithuania, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and 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 document 100/646/FDIS, future edition 1 of IEC 61937-3, 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 61937-3 on 2003-10-01.

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) 2004-07-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2006-10-01

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 61937-3:2003 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 61937-2 NOTE Harmonized as EN 61937-2:2003 (not modified).

~~SIST-EN 61937-3:2004~~
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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	Series	Digital audio interface	EN 60958	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⁾
ITU-R Recommendation BS.1196-1	- ¹⁾	Audio coding for digital terrestrial television broadcasting	-	-
ATSC A/52	- ¹⁾	Digital Audio Compression (AC-3) Standard	-	-

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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INTERNATIONAL STANDARD

IEC 61937-3

First edition
2003-05

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

**Part 3:
Non-linear PCM bitstreams
according to the AC-3 format**

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

Part 3: Non-linear PCM bitstreams according to the AC-3 format

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 61937-3 has been prepared by technical area 4: Digital system interfaces, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

This standard cancels and replaces IEC 61937, published in 2000, which has been divided into four parts (see below). This first edition constitutes a technical revision.

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

FDIS	Report on voting
100/646/FDIS	100/672/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.