
Digitalni avdio - Vmesnik za nelinearne PCM-kodirane avdio bitne tokove po IEC 60958 - 6. del: Nelinearni PCM-bitni tokovi v avdio formatih MPEG-2 AAC in MPEG-4 AAC (IEC 61937-6:2006/A1:2014)

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/A1:2014)

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

[SIST EN 61937-6:2007/A1:2014](https://standards.iteh.ai/catalog/standards/sist/0040e2c8-6f99-4ad0-a061-2022-000000000000)

[https://standards.iteh.ai/catalog/standards/sist/0040e2c8-6f99-4ad0-a061-](https://standards.iteh.ai/catalog/standards/sist/0040e2c8-6f99-4ad0-a061-2022-000000000000)

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/A1:2014

ICS:

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

SIST EN 61937-6:2007/A1:2014 **en,fr,de**

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[SIST EN 61937-6:2007/A1:2014](https://standards.iteh.ai/catalog/standards/sist/0040e2c8-6f99-4ad0-a061-cdd020634ac4/sist-en-61937-6-2007-a1-2014)

<https://standards.iteh.ai/catalog/standards/sist/0040e2c8-6f99-4ad0-a061-cdd020634ac4/sist-en-61937-6-2007-a1-2014>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61937-6/A1

April 2014

ICS 33.160.60; 35.040

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 formats
(IEC 61937-6:2006/A1:2014)**

Audionumérique -
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[SIST EN 61937-6:2007/A1:2014](https://standards.iteh.ai/catalog/standards/sist/0040e2c8-6f99-4ad0-a061-182762b0d48c/standards/EN-61937-6:2006/A1)

[https://standards.iteh.ai/catalog/standards/sist/0040e2c8-6f99-4ad0-a061-](https://standards.iteh.ai/catalog/standards/sist/0040e2c8-6f99-4ad0-a061-182762b0d48c/standards/EN-61937-6:2006/A1)

This amendment A1 modifies the European Standard EN 61937-6:2006; it was approved by CENELEC on 2014-03-05. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 CEN-CENELEC Management Centre or to any CENELEC member.

This amendment 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 CEN-CENELEC Management Centre has the same status as the official versions.

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CENELEC

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 100/2052/CDV, future IEC 61937-6:2006/A1, prepared by Technical Area 4 "Digital system interfaces and protocols" of IEC/TC 100 "Audio, video and multimedia systems and equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61937-6:2006/A1:2014.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2014-12-05
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-03-05

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 61937-6:2006/A1:2014 was approved by CENELEC as a European Standard without any modification.

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<https://standards.iteh.ai/catalog/standards/sist/0040e2c8-6f99-4ad0-a061-cdd020634ac4/sist-en-61937-6-2007-a1-2014>

Annex ZA
(normative)

**Normative references to international publications
with their corresponding European publications**

Replacement and addition in Annex ZA of EN 61937-6:2006:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
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Replace, in the list of normative references, the following standards by undated references:

ISO/IEC 13818-7	-	Information technology - Generic coding of moving pictures and associated audio information - Part 7: Advanced Audio Coding (AAC)	-	-
ISO/IEC 14496-3	-	Information technology - Coding of audio-visual objects - Part 3: Audio	-	-

Add, at the end of the existing list of normative references the following new publication:

ISO/IEC 23003-1	-	Information technology - MPEG audio technologies - Part 1: MPEG Surround	-	-
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IEC 61937-6

Edition 2.0 2014-01

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

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

SIST EN 61937-6:2007/A1:2014

<https://standards.iteh.ai/catalog/standards/sist/0040e2c8-6f99-4ad0-a061-33780076a474/iec-61937-6-61937-6-a1:2014>

Audionumérique – Interface pour les flux de bits audio à codage MIC non linéaire conformément à l'IEC 60958 –

Partie 6: Flux de bits MIC non linéaire selon les formats MPEG-2 AAC et MPEG-4 AAC

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

PRICE CODE
CODE PRIX

F

ICS 33.160.60; 35.040

ISBN 978-2-8322-1363-6

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FOREWORD

This amendment has been prepared by technical area 4: Digital system interfaces and protocols of IEC technical committee 100: Audio, video and multimedia systems and equipment.

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

CDV	Report on voting
100/2052/CDV	100/2117/RVC

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

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability 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.

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[SIST EN 61937-6:2007/A1:2014](https://standards.iteh.ai/catalog/standards/sist/0040e2c8-6f99-4ad0-a061-cdd020634ac4/sist-en-61937-6-2007-a1-2014)

<https://standards.iteh.ai/catalog/standards/sist/0040e2c8-6f99-4ad0-a061-cdd020634ac4/sist-en-61937-6-2007-a1-2014>

INTRODUCTION to Amendment 1

The revision of IEC 61937-6:2006 has become necessary to define new additional data-type-dependent information. This Amendment 1 contains the following significant technical changes with respect to the base publication. The revised items apply to the small parts of IEC 61937-6.

- LC profile with MPEG Surround, LC profile with SBR and MPEG Surround in MPEG-2 AAC are defined data-type-dependent information field in Pc.
- HE-AAC V2 profile itself, and MPEG-4 AAC profile, HE-AAC profile, HE-AAC V2 profile combined with MPEG Surround respectively are defined data-type-dependent information field in Pc.

2 Normative references

Replace, in the list of normative references, the following standards by undated references

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

ISO/IEC 14496-3, *Information technology – Coding of audio-visual objects – Part 3: Audio*

Add, at the end of the existing list of normative references the following new publication:

ISO/IEC 23003-1, *Information technology – MPEG audio technologies – Part 1: MPEG Surround*

3.1 Terms and definitions

Replace the existing terms and definitions 3.1.2, 3.1.3, 3.1.5 and 3.1.6 by the following:

3.1.2

MPEG-2 AAC LC profile

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

3.1.3

MPEG-2 AAC LC profile with SBR

MPEG-2 AAC low complexity profile with spectral band replication identified in ISO/IEC 13818-7

3.1.5

MPEG-4 AAC profile

MPEG-4 AAC profile identified in ISO/IEC 14496-3

3.1.6

MPEG-4 HE-AAC profile

MPEG-4 HE-AAC profile identified in ISO/IEC 14496-3

Add the new terms and definitions 3.1.7 and 3.1.8, as follows:

3.1.7

MPEG-4 HE-AAC V2 profile

MPEG-4 HE-AAC V2 profile identified in ISO/IEC 14496-3

3.1.8

MPEG Surround

technology used for coding of multichannel signals based on a down mixed signal of the original multichannel signal, and associated spatial parameters

Note 1 to entry: MPEG Surround is defined in ISO/IEC 23003-1.

3.2 Abbreviations

Replace the existing wording for abbreviation HE-AAC as follows:

HE-AAC MPEG-4 High Efficiency AAC

Add the two new abbreviations, as follows:

HE-AAC V2 MPEG-4 High Efficiency AAC Version 2

MPEG Moving Picture Experts Group

5.2.3 The data MPEG-2 AAC half-rate low sampling frequency

Replace the entire existing Table 7 by the following new Table 7: