

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

(IEC 61937-2:2007 + A1:2011)

Digitalton –

Schnittstelle für nichtlinear-PCM-codierte Audio-Bitströme unter Verwendung von  
IEC 60958 – Teil 2: Block-Information  
(IEC 61937-2:2007 + A1:2011)Audionumérique – Interface pour les flux de bits audio à codage MIC non linéaire  
conformément à la CEI 60958 – Partie 2: Salve d'informations  
(CEI 61937-2:2007 + A1:2011)**Publisher and printing:**OVE Austrian Electrotechnical Association  
Austrian Standards Institute

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EN 61937-2:2007 + A1:2011**Supersedes**

see National Foreword

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## National Foreword

This European Standard EN 61937-2:2007 + A1:2011 has the status of an Austrian Electrotechnical Regulation in accordance with the Austrian Electrotechnical Act 1992 and the status of an Austrian Standard in accordance with the Austrian Federal Act on Standardization 1971.

The legal status of this Austrian Electrotechnical Regulation/Austrian Standard is stated in the respective decree under the Electrotechnical Act.

European Standards (EN) are implemented as Austrian Electrotechnical Regulations/Austrian Standards according to the common CEN/CENELEC Internal Regulations by publication of an identical text and by adding ÖVE/ÖNORM to the EN number.

According to the foreword of the EN the latest date by which the national standards conflicting with the EN have to be withdrawn is 2014-11-28 (dow, date of withdrawal). Until this deadline the following standard may be applied:

ÖVE/ÖNORM EN 61937-2:2008-03-01.

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 61937-2/A1**

December 2011

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English version

**Digital audio -  
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IEC 60958 -  
Part 2: Burst-info  
(IEC 61937-2:2007/A1:2011)**

Audionumérique -  
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This amendment A1 modifies the European Standard EN 61937-2:2007; it was approved by CENELEC on 2011-11-28. 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, 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

**Management Centre: Avenue Marnix 17, B - 1000 Brussels**

## Foreword

The text of document 100/1811/CDV, future edition 2 of IEC 61937-2:2007/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 61937-2:2007/A1:2011.

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) 2012-08-28
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2014-11-28

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 61937-2:2007/A1:2011 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.

**Addition to Annex ZA of EN 61937-2:2007:**

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61937-10	-	Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 10: Non-linear PCM bitstreams according to the MPEG-4 Audio Lossless Coding (ALS) format	EN 61937-10	-
IEC 61937-11	-	Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 11: MPEG-4 AAC and its extensions in LATM/LOAS	EN 61937-11	-
IEC 61937-12	-	Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 12: Non-linear PCM bitstreams according to the DRA formats	EN 61937-12	-



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 61937-2**

September 2007

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Supersedes EN 61937-2:2003

English version

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Part 2: Burst-info  
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von IEC 60958 -  
Teil 2: Block-Information  
(IEC 61937-2:2007)

This European Standard was approved by CENELEC on 2007-09-01. 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, Bulgaria, 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 document 100/1115/CDV, future edition 2 of IEC 61937-2, prepared by Technical Area 4, of IEC TC 100, Audio, video and multimedia systems and equipment, was submitted to the IEC-CENELEC parallel Unique Acceptance Procedure and was approved by CENELEC as EN 61937-2 on 2007-09-01.

This European Standard supersedes EN 61937-2:2003.

EN 61937-2:2007 contains the following significant technical changes with respect to EN 61937-2:2003:

- new audio data-types of enhanced AC-3 data, MPEG-2 AAC low sampling frequency, MPEG-4 AAC, DTS type IV, ATRAC-X, WMA professional and MAT are added;
- data-type field in Pc is expanded from bit 0-4 to 0-6.

The following dates were fixed:

- |  |       |            |
|--|-------|------------|
| – latest date by which the EN has to be implemented<br>at national level by publication of an identical<br>national standard or by endorsement | (dop) | 2008-06-01 |
| – latest date by which the national standards conflicting<br>with the EN have to be withdrawn  | (dow) | 2010-09-01 |

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 61937-2:2007 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

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 60958-1	- <sup>1)</sup>	Digital audio interface - Part 1: General	EN 60958-1	2004 <sup>2)</sup>
IEC 60958-3	- <sup>1)</sup>	Digital audio interface - Part 3: Consumer applications	EN 60958-3	2006 <sup>2)</sup>
IEC 61937-1	- <sup>1)</sup>	Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 1: General	EN 61937-1	2007 <sup>2)</sup>
IEC 61937-3	- <sup>1)</sup>	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	EN 61937-3	2003 <sup>2)</sup>
IEC 61937-4	- <sup>1)</sup>	Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 4: Non-linear PCM bitstreams according to the MPEG audio format	EN 61937-4	2003 <sup>2)</sup>
IEC 61937-5	- <sup>1)</sup>	Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 5: Non-linear PCM bitstreams according to the DTS (Digital Theater Systems) format(s)	EN 61937-5	2006 <sup>2)</sup>
IEC 61937-6	- <sup>1)</sup>	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	EN 61937-6	2006 <sup>2)</sup>

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<sup>1)</sup> Undated reference.

<sup>2)</sup> Valid edition at date of issue.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61937-7	- <sup>1)</sup>	Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 7: Non-linear PCM bitstreams according to the ATRAC, ATRAC2/3 and ATRAC-X formats	EN 61937-7	2005 <sup>2)</sup>
IEC 61937-8	- <sup>1)</sup>	Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 8: Non-linear PCM bitstreams according to the Windows Media Audio (WMA) Professional format	EN 61937-8	2007 <sup>2)</sup>
IEC 61937-9	- <sup>1)</sup>	Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 9: Non-linear PCM bitstreams according to the MAT format	-	-
ISO/IEC 11172-3	- <sup>1)</sup>	Information technology - Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s - Part 3: Audio	EN ISO/IEC 11172-3	1995 <sup>2)</sup>
ISO/IEC 13818-3	- <sup>1)</sup>	Information technology - Generic coding of moving pictures and associated audio information - Part 3: Audio	EN ISO/IEC 13818-3	1996 <sup>2)</sup>
ISO/IEC 13818-7	- <sup>1)</sup>	Information technology - Generic coding of moving pictures and associated audio information - Part 7: Advanced Audio Coding (AAC)	-	-
ISO/IEC 14496-3	- <sup>1)</sup>	Information technology - Coding of audio-visual objects - Part 3: Audio	-	-
ITU-R Recommendation BS.1196	- <sup>1)</sup>	Audio coding for digital terrestrial television broadcasting	-	-