

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

Part 3: Non-linear PCM bitstreams according to the AC-3 and enhanced AC-3 formats

(IEC 61937-3:2007)

Digitalton – Schnittstelle für nichtlinear-PCM-codierte Audio-Bitströme unter Verwendung von IEC 60958 – Teil 3: Nichtlineare PCM-Bitströme nach dem AC-3- und dem erweiterten AC-3-Format
(IEC 61937-3:2007)

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National Foreword

This European Standard EN 61937-3:2009 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According to the foreword of the EN the latest date by which the national standards conflicting with the EN have to be withdrawn is 2012-07-01 (dow, date of withdrawal). Until this deadline the following standard may be applied:

ÖVE/ÖNORM EN 61937-3:2004-04-01.

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61937-3

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English version

**Digital audio -
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Teil 3: Nichtlineare PCM-Bitströme
nach dem AC-3- und dem erweiterten
AC-3-Format
(IEC 61937-3:2007)

This European Standard was approved by CENELEC on 2009-07-01. 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 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, 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: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 100/1207/CDV, future edition 2 of IEC 61937-3, prepared by technical area 4, Digital system interfaces, of 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 2009-07-01.

This European Standard supersedes EN 61937-3:2003.

EN 61937-3:2009 contains the following significant technical changes with respect to EN 61937-3:2003.

- the definition of the audio data-burst required to deliver enhanced AC-3 bitstreams has been added;
- the definition of the latency of an enhanced AC-3 decoder has been added;
- the use of pause data-bursts when delivering enhanced AC-3 bitstreams has been added.

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) 2010-04-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2012-07-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61937-3:2007 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 61937-1	2007	Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 1: General	EN 61937-1	2007
IEC 61937-2	2007	Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 2: Burst-info	EN 61937-2	2007
ETSI TS 102 366	- ¹⁾	Digital Audio Compression (AC-3, Enhanced AC-3)	-	-
ATSC A/52B	- ¹⁾	Digital Audio Compression (AC-3, E-AC-3), Rev. B	-	-

¹⁾ Undated reference.



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CONTENTS

FOREWORD.....	3
1 Scope.....	5
2 Normative references.....	5
3 Terms, definitions and abbreviations	5
3.1 Terms and definitions.....	5
3.2 Abbreviations.....	6
4 Mapping of the audio bitstream on to IEC 61937-1	6
4.1 General	6
4.2 AC-3 and enhanced AC-3 burst-info.....	6
5 Format of AC-3 and enhanced AC-3 data-bursts	6
5.1 General	6
5.2 Pause data-burst	7
5.3 Audio data-bursts	7
5.3.1 AC-3 data	7
5.3.2 Latency of AC-3 decoding	8
5.3.3 Enhanced AC-3 data	9
5.3.4 Latency of the enhanced AC-3 decoder.....	10
Bibliography.....	13
Figure 1 – AC-3 data-burst, with reference point R	7
Figure 2 – Latency of AC-3 decoding	8
Figure 3 – Enhanced AC-3 data-burst.....	10
Figure 4 – Latency of enhanced AC-3 decoding	11
Table 1 – Fields of burst-info.....	6
Table 2 – Repetition period of the pause data-bursts	7
Table 3 – Data-type-dependent information when data-type = 1	7
Table 4 – Data-type-dependent information when data-type = 21	10
Table 5 – Frame repetition period and maximum data rate for enhanced AC-3 bitstreams.....	10