

SLOVENSKI STANDARD

SIST EN 61937-1:2007

01-november-2007

Nadomešča:

SIST EN 61937-1:2004

Digitalni avdio-vmesnik za nelinearne PCM-kodirane avdio bitne tokove po IEC 60958 – 1. del: Splošno (IEC 61937-1:2007)

Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 -- Part 1: General

Digitalton - Schnittstelle für nichtlinear-PCM-codierte Audio-Bitströme unter Verwendung von IEC 60958 -- Teil 1: Allgemeines

Audionumérique - Interface pour les flux de bits audio à codage MIC non linéaire conformément à la CEI 60958 -- Partie 1: Généralités

Ta slovenski standard je istoveten z: EN 61937-1:2007

ICS:

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

SIST EN 61937-1:2007

en,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61937-1

March 2007

ICS 33.160.30

Supersedes EN 61937-1:2003

English version

**Digital audio -
Interface for non-linear PCM encoded audio bitstreams
applying IEC 60958 -
Part 1: General
(IEC 61937-1:2007)**

Audionumérique -
Interface pour les flux de bits audio
à codage MIC non linéaire
conformément à la CEI 60958 -
Partie 1: Généralités
(CEI 61937-1:2007)

Digitalton -
Schnittstelle für nichtlinear-PCM-codierte
Audio-Bitströme unter Verwendung
von IEC 60958 -
Teil 1: Allgemeines
(IEC 61937-1:2007)

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This European Standard was approved by CENELEC on 2007-02-01. 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 100/1101/CDV, future edition 2 of IEC 61937-1, 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 Unique Acceptance Procedure and was approved by CENELEC as EN 61937-1 on 2007-02-01.

This European Standard supersedes EN 61937-1:2003.

This edition contains the following significant technical changes with respect to EN 61937-1:2003.

- The data-type field in Pc is expanded from bit 0-4 to bit 0-6.
- A new additional definition of Pd is specified.
- The numbers of times for symbol frequency are changed to refer to each part of EN 61937.
- The requirement for burst spacing is changed.

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) 2007-11-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2010-02-01

Annex ZA has been added by CENELEC.

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Endorsement notice
<https://standards.iteh.ai/catalog/standards/sist/58737e05-6268-402c-934f-efef73ea8b82/sist-en-61937-1-2007>

The text of the International Standard IEC 61937-1:2007 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 61603	NOTE Harmonized in EN 61603 series (not modified).
IEC 61883-6	NOTE Harmonized as EN 61883-6:2005 (not modified).
IEC 62105	NOTE Harmonized as EN 62105:2002 (not modified).

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

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INTERNATIONAL STANDARD

IEC
61937-1

Second edition
2007-01

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

Part 1: General

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

PRICE CODE

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CONTENTS

FOREWORD	4
1 Scope	6
2 Normative references	6
3 Terms, definitions, abbreviations and presentation	6
3.1 Definitions	6
3.2 Abbreviations	8
3.3 Presentation convention	8
4 General description	8
5 Interface format	9
6 Mapping of the audio bitstream on to IEC 60958	9
6.1 Coding of the bitstream	9
6.2 Burst-payload	14
6.3 Stuffing	15
7 Format of data-bursts	15
7.1 Pause data-burst	16
7.2 Audio data-bursts	19
7.3 Null data-burst	19
Annex A (normative) Channel status when IEC 60958 is used in consumer applications	20
Bibliography	21
Figure 1 – IEC 60958 interface format	9
Figure 2 – Data-burst format	11
Figure 3 – Burst-preamble	11
Figure 4 – Burst-preamble with extended preamble	13
Figure 5 – Length of the burst-payload specified by Pd	14
Figure 6 – Burst spacing	15
Figure 7 – Flow chart of transmission of a bitstream	16
Figure 8 – Bridging gaps in-between data-bursts with three pause data-bursts	17
Figure 9 – Data-burst format of the data-type pause	18
Figure 10 – Null data-burst	19
Table 1 – Bit allocation of the IEC 60958 frame	9
Table 2 – Bit allocation of data-burst in IEC 60958 subframes	10
Table 3 – Burst-preamble words	12
Table 4 – Bit map of burst-preambles	12
Table 5 – Fields of burst-info	12
Table 6 – Burst-preamble words	13
Table 7 – Fields of Pe (extended data-type)	13

Table 8 – Fields of Pf.....	13
Table 9 – Values of data-type-dependent info of the pause data-burst	18
Table 10 – Burst-payload of pause data-burst.....	19
Table 11 – Fields of a null data-burst	19
Table A.1 – Allocation of the channel status bits	20

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<https://standards.iteh.ai/catalog/standards/sist/58737e03-6268-402c-934f-efef73ea8b82/sist-en-61937-1-2007>

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

Part 1: General

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of 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, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). 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. 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 61937-1 has been prepared by technical area 4: Digital system interfaces and protocols, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

This second edition of IEC 61937-1 cancels and replaces the first edition published in 2000. This edition contains the following significant technical changes with respect to the previous edition.

- a) The data-type field in Pc is expanded from bit 0-4 to bit 0-6.
- b) A new additional definition of Pd is specified.
- c) The numbers of times for symbol frequency are changed to refer to each part of IEC 61937.
- d) The requirement for burst spacing is changed.

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

FDIS	Report on voting
100/1101/CDV	100/1192/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.

The list of all the parts of IEC 61937, under the general title *Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958* can be found on the IEC website.

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 publication may be issued at a later date.

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