



SLOVENSKI STANDARD
SIST EN 60958-4:2004/A1:2008
01-julij-2008

Digitalni avdio vmesnik - 4. del: Profesionalna uporaba (IEC 60958-4:2003/A1:2008)

Digital audio interface -- Part 4: Professional applications

Digitalton-Schnittstelle -- Teil 4: Professioneller Gebrauch

Interface audionumérique -- Partie 4: Applications professionnelles

STANDARD PREVIEW
(standards.iteh.ai)

Ta slovenski standard je istoveten z: EN 60958-4:2003/A1:2008

<https://standards.iteh.ai/catalog/standards/sist/794a481d-e1f5-4687-99b4-1516fe4be7b/sist-en-60958-4-2004-a1-2008>

ICS:

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

SIST EN 60958-4:2004/A1:2008 **en**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60958-4/A1

May 2008

ICS 33.160.30

English version

**Digital audio interface -
Part 4: Professional applications
(IEC 60958-4:2003/A1:2008)**

Interface audionumérique -
Partie 4: Applications professionnelles
(CEI 60958-4:2003/A1:2008)

Digitalton-Schnittstelle -
Teil 4: Professioneller Gebrauch
(IEC 60958-4:2003/A1:2008)

This amendment A1 modifies the European Standard EN 60958-4:2003; it was approved by CENELEC on 2008-04-01. 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 Central Secretariat or to any CENELEC member.

This amendment 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 100/1330/FDIS, future amendment 1 to IEC 60958-4:2003, 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 was approved by CENELEC as amendment A1 to EN 60958-4:2003 on 2008-04-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2009-01-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2011-04-01

Endorsement notice

The text of amendment 1:2008 to the International Standard IEC 60958-4:2003 was approved by CENELEC as an amendment to the European Standard without any modification.

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IEC 60958-4

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INTERNATIONAL STANDARD

AMENDMENT 1

Digital audio interface –
Part 4: Professional applications (TA4)

STANDARD PREVIEW
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INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

PRICE CODE

C

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:

FDIS	Report on voting
100/1330/FDIS	100/1355/RVD

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 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.

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A bilingual version of this publication may be issued at a later date.

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5.2 Professional linear PCM application

Byte 1 (see page 10)

Add, on page 11, at the end of the encoded user bits 12 to 15 "Encoded user bits management", after "0 1 0 0 User data conforms to the general user data format as defined in IEC 60958-3", the following new line:

Bits 12 to 15	Encoded user bits management				
Bit	12	13	14	15	
State	...				
	"0	1	0	1"	Reserved for metadata as described in AES52.

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Add, after 8.2.4, the following new subclause:

8.3 Unbalanced coaxial cables

Besides the transmission over balanced lines (clause 8.2) professional applications use unbalanced coaxial cables for transmissions over long distances (e.g. 1000 m) and/or for use at high sample rates to ensure the highest possible transmission quality. Signal characteristics, jitter, etc. (excluding voltage and impedance) are the same as described in clause 8.2 so the signal can be converted from balanced to unbalanced and vice versa with transformers. A relevant document to be considered is AES-3id-2001. This contains additional information as electrical requirements, cable and equalizer characterization and circuit implementations.

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Add the following references to the existing list:

Bibliography

AES3-2003, *AES standard for digital audio – Digital input-output interfacing – Serial transmission format for two-channel linearly represented digital audio data*

AES-3id-2001(r2006), *AES information document for digital audio engineering – Transmission of AES3 formatted data by unbalanced coaxial cable*

<https://standards.iteh.ai/catalog/standards/sist/794a481d-e1f5-4687-99b4-60958-4:2004/A1:2008>

AES52-2006, *AES standard for digital audio engineering – Insertion of unique identifiers into the AES3 transport stream*
