SLOVENSKI STANDARD
SIST EN 60958-3:2007/A2:2015

01-december-2015

Digitalni zvokovni vmesnik - 3. del: Porabniške aplikacije

Digital audio interface -- Part 3: Consumer applications

Digitalton-Schnittstelle -- Teil 3: Allgemeingebrauch

Interface audionumérique -- Partie 3: Applications grand public

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Ta slovenski standard je istoveten z: EN 60958-3:2006/A2:2015

ICS:

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

SIST EN 60958-3:2007/A2:2015   **en,fr,de**

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 60958-3:2006/A2

August 2015

ICS 33.160.01

English Version

Digital audio interface - Part 3: Consumer applications (IEC 60958-3:2006/A2:2015)

Interface audionumérique - Partie 3: Applications grand public
(IEC 60958-3:2006/A2:2015)

Digitalton-Schnittstelle - Teil 3: Allgemeingebrauch
(IEC 60958-3:2006/A2:2015)

This amendment A2 modifies the European Standard EN 60958-3:2006; it was approved by CENELEC on 2015-07-23. 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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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

Ref. No. EN 60958-3:2006/A2:2015 E

EN 60958-3:2006/A2:2015

European foreword

The text of document 100/2464/FDIS, future IEC 60958-3:2006/A2, prepared by IEC/TC 100, "Audio, video and multimedia systems and equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60958-3:2006/A2:2015.

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)	2016-04-23
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2018-07-23

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 60958-3:2006/A2:2015 was approved by CENELEC as a European Standard without any modification.

EN 60958-3:2006/A2:2015

Annex ZA
(normative)

Normative references to international publications
with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Addition:

Publication	Year	Title	EN/HD	Year
IEC 62574	2011	Audio, video and multimedia systems - General channel assignment of multichannel audio	EN 62574	2011

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IEC 60958-3

Edition 3.0   2015-06

INTERNATIONAL STANDARD

AMENDMENT 2

Digital audio interface –
Part 3: Consumer applications

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

ICS 33.160.01

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Warning! Make sure that you obtained this publication from an authorized distributor.

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
100/2464/FDIS	100/2494/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 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.

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

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INTRODUCTION to Amendment 2

The revision of IEC 60958-3:2006 has become necessary to document the protocol for transmitting the audio signal and its information in current improved audio formats and systems.

To apply IEC 60958-3 and its IEC 60958 conformant data format transmitting as part or whole of the multichannel audio data, a general channel assignment number specified in IEC 62574 is added to the C-bit.

Loudness information is added to the U-bit to enable loudness control.

IEC 60958-3:2006/AMD2:2015 – 3 –
IEC 2015

2 Normative references

Insert, in the list of normative references, the following new publication:

IEC 62574:2011, *Audio, video and multimedia systems – General channel assignment of multichannel audio*

5.2.2 Mode 0 channel status format for digital audio equipment for consumer use

Table 2 – Mode 0 channel status format for consumer use

Replace the rows of byte 6 and byte 7, by the following rows:

bit	40	41	42	43	44	45	46	47
6	Information hidden in PCM signal	General channel assignment channel number for A channel						General channel assignment channel number for B channel
bit	48	49	50	51	52	53	54	55
7	General channel assignment channel number for B channel							

Byte 6: Information hidden in PCM signal

Replace the existing title of byte 6 of Amendment 1 by the following new title:

Byte 6 and byte 7: Information hidden in PCM and general channel assignment channel number

Replace, after the line "Additional information in LSB"*, the existing text defining bits 49 to 55, by the following:*

Bits 49 to 53   General channel assignment channel number for A channel

Bit   49 50 51 52 53 54

State   "0 0 0 0 0 0"   Channel number 1

                      "1 0 0 0 0 0"   Channel number 2

                          ⋮

                      "1 1 1 1 1 0"   Channel number 32

Bit 54 to 58   General channel assignment channel number for B channel

Bit   55 56 57 58 59 60

State   "0 0 0 0 0 0"   Channel number 1

                      "1 0 0 0 0 0"   Channel number 2

                          ⋮

                      "1 1 1 1 1 0"   Channel number 32

Add, after the existing NOTE 8, the following new paragraph: