

SLOVENSKI STANDARD
SIST EN 60958-3:2007/A1:2010
01-marec-2010

Digitalni zvokovni vmesnik - 3. del: Porabniške aplikacije (IEC 60958-3:2006/A1:2009)

Digital audio interface - Part 3: Consumer applications (IEC 60958-3:2006/A1:2009)

Digitalton-Schnittstelle - Teil 3: Allgemeingebrauch (IEC 60958-3:2006/A1:2009)

Interface audionumérique - Partie 3: Applications grand public (CEI 60958-3:2006/A1:2009)

ITeH STANDARD PREVIEW
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Ta slovenski standard je istoveten z: EN 60958-3:2006/A1:2010

SIST EN 60958-3:2007/A1:2010
<https://standards.iteh.ai/catalog/standards/sist/a50a1d0a-1b01-4d9c-b13d-4e438b17c38b/sist-en-60958-3-2007-a1-2010>

ICS:

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

SIST EN 60958-3:2007/A1:2010 **en**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60958-3/A1

January 2010

ICS 33.160.01

English version

**Digital audio interface -
Part 3: Consumer applications
(IEC 60958-3:2006/A1:2009)**

Interface audionumérique -
Partie 3: Applications grand public
(CEI 60958-3:2006/A1:2009)

Digitalton-Schnittstelle -
Teil 3: Allgemeingebrauch
(IEC 60958-3:2006/A1:2009)

This amendment A1 modifies the European Standard EN 60958-3:2006; it was approved by CENELEC on 2009-12-01. 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 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, 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

Central Secretariat: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 100/1513/CDV, future amendment 1 to IEC 60958-3:2006, 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 60958-3:2006 on 2009-12-01.

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) 2010-09-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2012-12-01

Endorsement notice

The text of amendment 1:2009 to the International Standard IEC 60958-3:2006 was approved by CENELEC as an amendment to the European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 60958

NOTE Harmonized in EN 60958 series (not modified).

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Annex ZA
(normative)**Normative references to international publications
with their corresponding European publications**

Addition to Annex ZA of EN 60958-3:2006:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO/IEC 23003-1	-	Information technology - MPEG audio technologies - Part 1: MPEG Surround	-	-

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IEC 60958-3

Edition 3.0 2009-10

INTERNATIONAL STANDARD

AMENDMENT 1

Digital audio interface –
Part 3: Consumer applications

STANDARD PREVIEW
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INTERNATIONAL
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ICS 33.160.01

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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:

CDV	Report on voting
100/1513/CDV	100/1592/RVC

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.

[SIST EN 60958-3:2007/A1:2010](https://standards.iteh.ai/catalog/standards/sist/a30afd1ba-fb01-4d9e-b3d-4e438b17c38b/sist-en-60958-3-2007-a1-2010)

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INTRODUCTION to Amendment 1

The revision of IEC 60958-3 (2006) has become necessary to transmit the audio signal and its information of the current improved audio formats and systems. The revised items apply to the small parts of IEC 60958-3.

Additional sampling frequencies have been defined for the use of audio transmission of IEC 60958 conformant data format for the new formats of the IEC 61937 series.

CGMS-A validity is added to clarify the use of CGMS-A information.

The identification of the embedded MPEG Surround information to LPCM and its normative Annex U are added.

Table 2 includes the new additions and Table 3 has been clarified.

2 Normative references

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

ISO/IEC 23003-1, *Information technology – MPEG audio technologies – Part 1: MPEG Surround*

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 entire existing Table 2 by the following new Table 2:

Byte

0	a = "0"	b = "0"	c	d			Mode = "0 0"	
bit	0	1	2	3	4	5	6	7
1	Category code							
bit	8	9	10	11	12	13	14	15
2	Source number				Channel number			
bit	16	17	18	19	20	21	22	23
3	Sampling frequency				Clock accuracy		Sampling frequency extension	
bit	24	25	26	27	28	29	30	31
4	Word length				Original sampling frequency			
bit	32	33	34	35	36	37	38	39
5	CGMS-A		CGMS-A validity	Audio sampling frequency coefficient				
bit	40	41	42	43	44	45	46	47
6	Information hidden in PCM signal							
bit	48	49	50	51	52	53	54	55
7								
bit	56	57	58	59	60	61	62	63
8								
bit	64	65	66	67	68	69	70	71
9								
bit	72	73	74	75	76	77	78	79
10								
bit	80	81	82	83	84	85	86	87
11								
bit	88	89	90	91	92	93	94	95
12								
bit	96	97	98	99	100	101	102	103
13								
bit	104	105	106	107	108	109	110	111
14								
bit	112	113	114	115	116	117	118	119
15								
bit	120	121	122	123	124	125	126	127
16								
bit	128	129	130	131	132	133	134	135
17								
bit	136	137	138	139	140	141	142	143
18								
bit	144	145	146	147	148	149	150	151
19								
bit	152	153	154	155	156	157	158	159
20								
bit	160	161	162	163	164	165	166	167
21								
bit	168	169	170	171	172	173	174	175
22								
bit	176	177	178	179	180	181	182	183
23								
bit	184	185	186	187	188	189	190	191
	a: use of channel status block. b: linear PCM identification.				c: copyright information. d: additional format information.			