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TECHNICAL SPECIFICATION

AMENDMENT 1

Guideline for implementation of copy controlled multimedia interface

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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:

Enquiry draft	Report on voting
100/2504/DTS	100/2609/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 publication will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- transformed into an International standard,
- 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- withdrawn,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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INTRODUCTION to Amendment 1

The revision of IEC TS 62436:2008 has become necessary to revise Figure 1 and add a new Annex C to provide copy control information for the use of SCMS in other interface standards and specifications that have been revised.

2 Normative references

Replace the existing introductory text to the normative references by the following:

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.

4.1 IEC standards with copy control information

Table 1 – IEC standards with copy control information

Replace in row 2 below the column titles, in column 1 "IEC 61937-1, IEC 61937-2, IEC 61937-3, IEC 61937-4, IEC 61937-5, IEC 61937-6, IEC 61937-7, IEC 61937-8, IEC 61937-9" *by* "IEC 61937 all parts".

4.2 Relation between IEC standards

Replace, in the third paragraph, the sentence "from part 3 to part 9." *by* "in part 3 and later parts."

Figure 1 – The relationship between IEC standards

Replace the entire existing Figure 1 by the following new Figure 1:

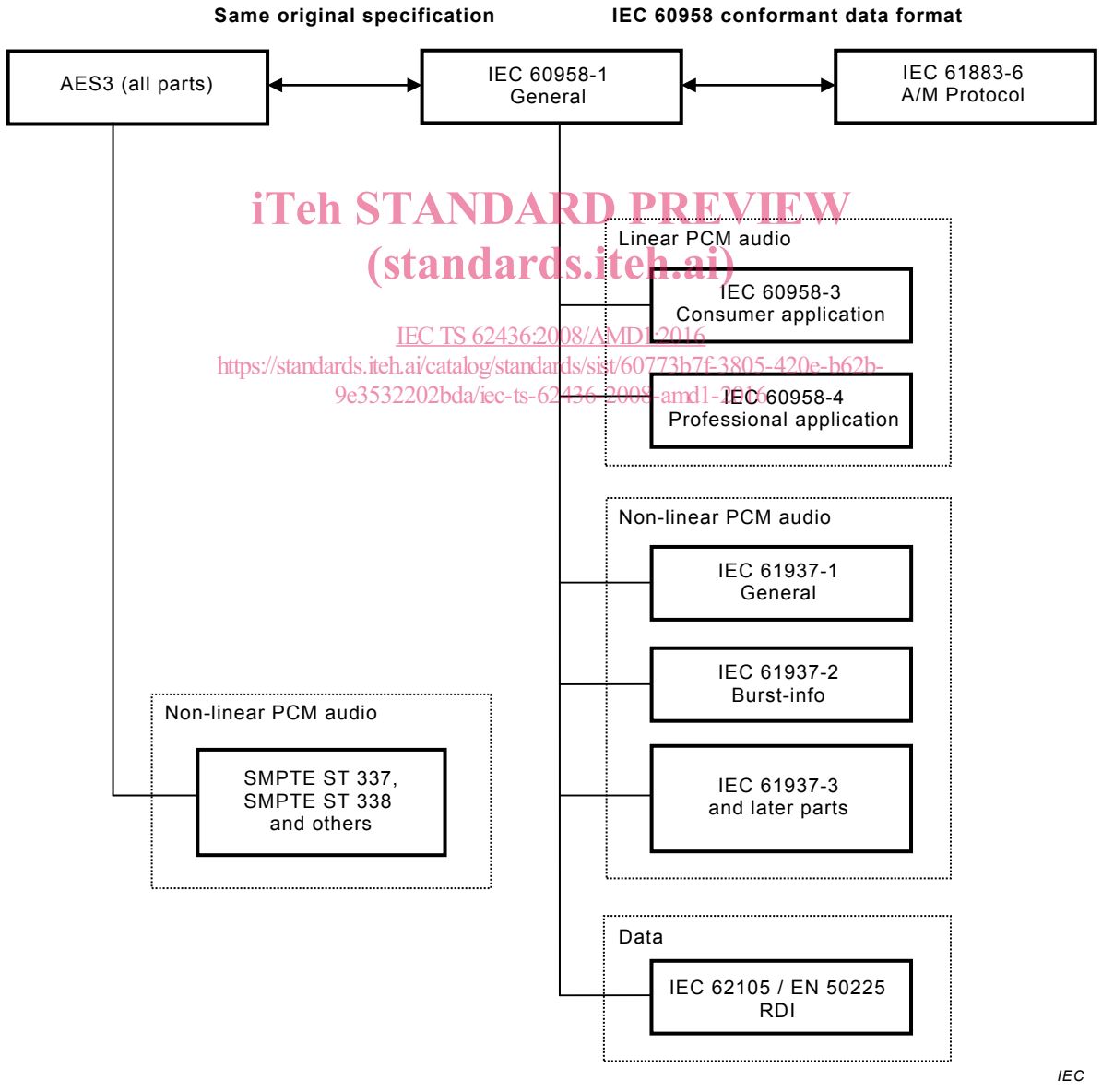

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Figure 1 – The relationship between IEC standards

Insert, after Annex B, the following new Annex C:

Annex C
(informative)

Other specifications applying copy control information

Other specifications can apply copy control information by utilizing the procedure of SCMS and CGMS-A, or by utilizing IEC 60958 conformant data format with SCMS.

Examples of utilizing SCMS are the following specifications.

- Bluetooth™ [1] (https://www.bluetooth.org/) applies SCMS in A/V distribution protocol named as SCMS-T.
- HDMI™[2] (http:// www.hdmi.org/) applies IEC 60958 conformant data format.

Bibliography

Replace the title of IEC 61937-3 by the following title:

IEC 61937-3, *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*

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Add, in the existing reference ITU-R BO.1294:1294, *the following new footnote:*

ITU-R BO.1294:1997, *Common functional requirements for the reception of digital multiprogramme television emissions by satellites operating in the 11/12 GHz frequency range*[3]

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Insert, after reference IEC 61937-9, the following new references:

IEC 61937-10, *Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 10: Non-linear PCM bitstreams according to the MPEG-4 audio lossless coding (ALS) format*

IEC 61937-11, *Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 11: MPEG-4 AAC and its extensions in LATM/LOAS*

IEC 61937-12, *Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 12: Non-linear PCM bitstreams according to the DRA formats*

Delete the existing references, AES 3:2003, CP-340, CP-1201, CPR-1205, ITU-R BT.601-5, and add the following new references:

AES 3 (all parts), *AES standard for digital audio engineering – Serial transmission format for two-channel linarly represented digital audio data*

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1 Bluetooth™ is a trade mark of Bluetooth Special Interest Group. This information is given for the convenience of users of this document and does not constitute an endorsement by IEC of the product named.

2 HDMI™ is a trade mark of High-Definition Multimedia Interface. This information is given for the convenience of users of this document and does not constitute an endorsement by IEC of the product named.

3 This document has been superceded by ITU-R Recommendation BO.1516 (see normative references).

NF EN 50255-1998, *Digital Audio Broadcasting system – Specification of the Receiver Data interface (RDI)*

SMPTE ST 337, *Format for Non-PCM Audio and Data in AES3 Serial Digital Audio Interface*

SMPTE ST 338, *Format for Non-PCM Audio and Data in AES3 – Data Types*

CPR-1205A:2014, *Reference Standards for Digital Audio Interface, JEITA*

Modify the title of IEEE 1394 as follows:

IEEE 1394-2008, *IEEE Standard for a High Performance Serial Bus*

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