



# 100/2504/DTS

## DRAFT TECHNICAL SPECIFICATION

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Title

**IEC/TS 62436 Ed1 A1: Guideline for implementation of copy controlled multimedia interface (TA4)**

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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:

FDIS	Report on voting
XX/XX/FDIS	XX/XX/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- withdrawn,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.

The National Committees are requested to note that for this publication the stability date is ....

THIS TEXT IS INCLUDED FOR THE INFORMATION OF THE NATIONAL COMMITTEES AND WILL BE DELETED AT THE PUBLICATION STAGE.

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## INTRODUCTION to Amendment 1

The revision of IEC/TS 62436 ed.1.0 (2008) has become necessary to revise Figure 1 and add Annex C as informative information for the use of SCMS in other interface standards and specifications that have been revised.

## 2 Normative references

*Insert the following foreword text:*

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

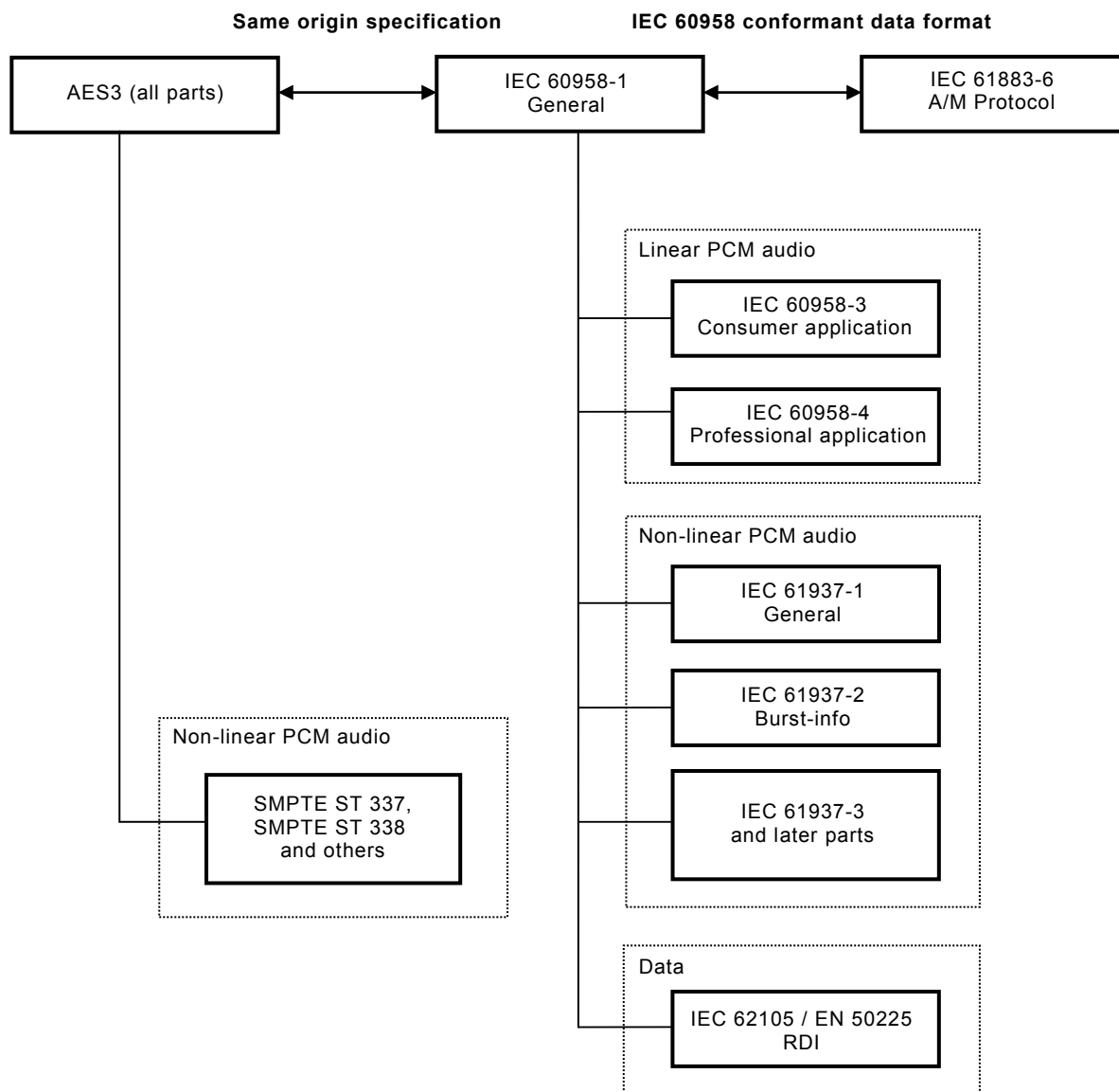
Replace the text in row 2, column 1 “IEC 61937-1,2,3,4,5,6,7,8,9” by “IEC 61937 all parts”.

**4.2 Relation between IEC standards**

Replace the sentence in the third paragraph “from part 3 t 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:



**Figure 2 – The relationship between IEC standards**

## Annex C

*Insert the following new Annex C:*

### **Annex C (informative)**

#### **Other specification applies copy control information**

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

Examples of utilizing SCMS are the following specifications.

- Bluetooth<sup>TM1</sup> (<https://www.bluetooth.org/>) applies SCMS in A/V distribution protocol named as SCMS-T.
- HDMI<sup>TM2</sup> ([http:// www.hdmi.org/](http://www.hdmi.org/)) applies IEC 60958 conformant data format.

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<sup>1</sup> Bluetooth<sup>TM</sup> 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.

<sup>2</sup> HDMI<sup>TM</sup> 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.

## **Bibliography**

*Replace the existing entire bibliographical references with the following:*

### **Bibliography**

IEC 61880, *Video systems (525/60) – Video and accompanied data using the vertical blanking interval – Analogue interface*

IEC 61883-1, *Consumer audio/video equipment – Digital interface – Part 1: General*

IEC 61883-2, *Consumer audio/video equipment – Digital interface – Part 2: SD-DVCR data transmission*

IEC 61883-3, *Consumer audio/video equipment – Digital interface – Part 3: HD-DVCR data transmission*

IEC 61883-4, *Consumer audio/video equipment – Digital interface – Part 4: MPEG2-TS data transmission*

IEC 61883-5, *Consumer audio/video equipment – Digital interface – Part 5: SDL-DVCR data transmission*

IEC 61883-7, *Consumer audio/video equipment – Digital interface – Part 7: Transmission of ITU-R BO.1294 System B*

IEC 61883-8, *Consumer audio/video equipment – Digital interface – Part 8: Transmission of ITU-R BT.601 style digital video data*

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 format*

IEC 61937-4, *Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 4: Non-linear PCM bitstreams according to the MPEG audio formats*

IEC 61937-5, *Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 5: Non-linear PCM bitstreams according to the DTS (Digital Theater Systems) format(s)*

IEC 61937-6, *Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 6: Non-linear PCM bitstreams according to the MPEG-2 AAC and MPEG-4 AAC audio formats*

IEC 61937-7, *Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 7: Non-linear PCM bitstreams according to the ATRAC, ATRAC2/3 and ATRAC-X formats*

IEC 61937-8, *Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 8: Non-linear PCM bitstreams according to the Windows Media Audio (WMA) Professional format*

IEC 61937-9, *Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 9: Non-linear PCM bitstreams according to the MAT format*

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-*

IEC 62105, *Digital audio broadcast system – Specification of the receiver data interface (RDI)*

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*

IEEE 1394-1995, *IEEE Standard for a High Performance Serial Bus – Firewire*

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*

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

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