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Edition 1.1 2016-02

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Guideline for implementation of copy controlled multimedia interface

INTERNATIONAL
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IEC TS 62436:2008-02+AMD1:2016-02 CSV(en)

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

GUIDELINE FOR IMPLEMENTATION OF COPY CONTROLLED MULTIMEDIA INTERFACE

FOREWORD

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This Consolidated version of IEC TS 62436 bears the edition number 1.1. It consists of the first edition (2008-02) [documents 100/1231/DTS and 100/1334/RVC] and its amendment 1 (2016-02) [documents 100/2504/DTS and 100/2609/RVC]. The technical content is identical to the base edition and its amendment.

In this Redline version, a vertical line in the margin shows where the technical content is modified by amendment 1. Additions are in green text, deletions are in strikethrough red text. A separate Final version with all changes accepted is available in this publication.

The main task of IEC technical committees is to prepare International Standards. In exceptional circumstances, a technical committee may propose the publication of a technical specification when

- the required support cannot be obtained for the publication of an International Standard, despite repeated efforts, or
- the subject is still under technical development or where, for any other reason, there is the future but no immediate possibility of an agreement on an International Standard.

Technical specifications are subject to review within three years of publication to decide whether they can be transformed into International Standards.

IEC 62436, which is a technical specification, 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 committee has decided that the contents of the base publication and its amendment 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

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

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INTRODUCTION

Various IEC standards have included methods for transmission of copy control information at the time when they were developed. For instance, IEC 61119-6 defines copyright status bit for DAT recorder, and IEC 60958-3 defines the L bit that is specified in IEC 61119-6.

The current consumer products become more complex and use the many IEC standards in one product.

For instance, a DVD player produces its high quality audio signal securely through IEC 61883-6, it also performs CD quality audio signal through IEC 60958 or IEC 61937, and the DVD player can produce audio signals through the other interface using IEC 60958 conformant data format, defined in IEC 61883-6.

Another example is a digital video recorder with hard disk drive or DVD that produces audio signal to the other audio recorder using IEC 60958 or IEC 61883-6.

These consumer products use many interface standards and should give copy control information and other information appropriately.

This guideline describes

– the relation between digital interface standards,

– the relation of copy control information and related information,

– the method for information implementation.

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.

GUIDELINE FOR IMPLEMENTATION OF COPY CONTROLLED MULTIMEDIA INTERFACE

1 Scope

This Technical Specification gives a guideline for the implementation of the audio and video interfaces with copy control information.

2 Normative references

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

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IEC 61883-6, *Consumer audio/video equipment – Digital interface – Part 6: Audio and music data transmission protocol*

IEC 61909, *Audio recording – Minidisc system*

IEC 61937 (all parts), *Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958*

IEC 61937-1, *Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 1: General*

IEC 61937-2, *Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 2: Bust-info*

IEC 62375, *Video systems (625/50 progressive) – Video and accompanied data using the vertical blanking interval – Analogue interface*

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FINAL VERSION

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