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Edition 3.0 2014-09

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Consumer audio/video equipment – Digital interface –
Part 6: Audio and music data transmission protocol

Matériel audio/vidéo grand public – Interface numérique –
Partie 6: Protocole de transmission de données audio et musicales

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IEC 61883-6:2014-09(en-fr)

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International Standard IEC 61883-6 has been prepared by technical area 4: Digital system interfaces and protocols, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

This third edition cancels and replaces the second edition, published in 2005, and constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) AM824 sequence adaptation layer for Blu-ray Disc application is added.
b) Blocking transmission method becomes normative.
c) Previously defined protocols have been included for the sake of backwards compatibility.

The text of this standard is based on the following documents:

FDIS	Report on voting
100/2341/FDIS	100/2372/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 61883 series, published under the general title *Consumer audio/video equipment – Digital interface*, can be found on the IEC website.

The committee has decided that the contents of this 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- withdrawn,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.

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CONSUMER AUDIO/VIDEO EQUIPMENT – DIGITAL INTERFACE –

Part 6: Audio and music data transmission protocol

1 Scope

This part of IEC 61883 describes a protocol for the transmission of audio and music data employing IEEE 1394 and specifies essential requirements for the application of the protocol.

This protocol can be applied to all modules or devices that have any kind of audio and/or music data processing, generation and conversion function blocks. This standard deals only with the transmission of audio and music data. The control, status and machine-readable description of these modules or devices should be defined outside of this standard according to each application area.

2 Normative references

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.

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IEC 60958 (all parts), *Digital audio interface*

IEC 60958-3, *Digital audio interface – Part 3: Consumer applications*

IEC 61883-6:2014
https://standards.iteh.ai/catalog/standards/sist/cc354951-b6a7-4f1c-a998-4e45c161401a/iec-61883-6-2014

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

IEEE 754:1985, *Standard for Binary Floating-Point Arithmetic*

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

IEEE 1394A, *Standard for a High Performance Serial Bus – Amendment 1*

3 Terms, definitions and abbreviations

3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 61883-1, together with the following, apply.

3.1.1
32-bit floating-point data
data type which is defined in IEEE 754

3.1.2
AM824 data
32-bit data consisting of an 8-bit label and 24-bit data