

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

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

Consumer audio/video equipment - Digital interface -
Part 6: Audio and music data transmission protocol
(IEC 61883-6:2014)

Matériel audio/vidéo grand public - Interface numérique -
Partie 6: Protocole de transmission de données audio et
musicales
(CEI 61883-6:2014)

Audio-Video-Geräte der Unterhaltungselektronik - Digitale
Schnittstelle - Teil 6: Übertragungsprotokoll für Ton- und
Musikdaten
(IEC 61883-6:2014)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Foreword

The text of document 100/2341/FDIS, future edition 3 of IEC 61883-6, 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 approved by CENELEC as EN 61883-6:2014.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2015-07-08
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-10-08

This document supersedes EN 61883-6:2005.

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Endorsement notice

The text of the International Standard IEC 61883-6:2014 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60958-4	NOTE	Harmonized as EN 60958-4.
IEC 61883-6:2002	NOTE	Harmonized as EN 61883-6:2002 (not modified).

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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.

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

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

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