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

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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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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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- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-10-08

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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). |

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here:
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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60958	Series	Digital audio interface	EN 60958	Series
IEC 60958-3	-	Digital audio interface - Part 3: Consumer applications	EN 60958-3	-
IEC 61883-1	-	Consumer audio/video equipment - Digital interface - Part 1: General	EN 61883-1	-
IEEE 754	1985 ¹⁾	IEEE Standard for Binary Floating-Point Arithmetic	-	-
IEEE 1394	-	IEEE Standard for a High-Performance Serial Bus	-	-
IEEE 1394a	-	Standard for a High Performance Serial Bus - Amendment 1	-	-

¹⁾ Superseded by IEEE 754:2008.



INTERNATIONAL STANDARD



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





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INTERNATIONAL STANDARD



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

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DIGITAL INTERFACE –****Part 6: Audio and music data transmission protocol****FOREWORD**

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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.

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

IMPORTANT – The 'colour inside' logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.

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*

koniec náhľadu – text d'alej pokračuje v platenej verzii STN