IEC 61883-1

Edition 3.0 2008-02

INTERNATIONAL STANDARD

Consumer audio/video equipment – Digital interface – Part 1: General

INTERNATIONAL ELECTROTECHNICAL COMMISSION

PRICE CODE X

ICS 33.160.01; 35.200

ISBN 2-8318-9610-X

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

CONSUMER AUDIO/VIDEO EQUIPMENT – DIGITAL INTERFACE –

Part 1: General

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International Standard IEC 61883-1 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 of IEC 61883-1 cancels and replaces the second edition, published in 2003, of which it constitutes a technical revision.

The significant technical changes with respect to the second edition are as follows:

– allocation of a new FMT code for the 1394 Trade Association specification '601 over 1394';
– Clarification of the meaning of FMT code;
– harmonization of IEC 61883-1 with IEEE 1394.1 for speeds over S400.

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

CDV	Report on voting
100/1236/CDV	100/1336/RVC

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 of the IEC 61883 series, 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 maintenance result 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- withdrawn,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.

CONSUMER AUDIO/VIDEO EQUIPMENT – DIGITAL INTERFACE –

Part 1: General

1 Scope and object

This part of IEC 61883 specifies a digital interface for consumer electronic audio/video equipment using IEEE 1394. It describes the general packet format, data flow management and connection management for audio-visual data, and also the general transmission rules for control commands.

The object of this standard is to define a transmission protocol for audio-visual data and control commands which provides for the interconnection of digital audio and video equipment, using IEEE 1394.

2 Normative references

The following referenced documents are indispensable for the 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.

IEEE 212:2001, *Standard for a Control and Status Registers (CSR) – Architecture for microcomputer buses*

IEEE 1394:1995, *Standard for a High Performance Serial Bus*

IEEE 1394a:2000, *Standard for a High Performance Serial Bus – Amendment 1*

NOTE Throughout this document, the term “IEEE 1394” indicates a reference to the standard that is the result of the editorial combination of IEEE 1394:1995 and IEEE 1394a:2000. Devices conforming solely to IEEE 1394:1995 may conform to IEC 61883. Devices conforming to IEC 61883 should conform to IEEE 1394a:2000.