INTERNATIONAL STANDARD

IEC 61883-4

Second edition
2004-08

Consumer audio/video equipment – Digital interface –

Part 4: MPEG2-TS data transmission

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CONSUMER AUDIO/VIDEO EQUIPMENT – DIGITAL INTERFACE –

Part 4: MPEG2-TS data transmission

FOREWORD

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International Standard IEC 61883-4 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 second edition of IEC 61883-4 cancels and replaces the first edition published in 1998. This edition contains the following significant technical changes with respect to the previous edition:

Updated IEC 61834-9, IEC 61834-10 and added IEC 61834-1 in Bibliography.

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

CDV	Report on voting
100/729/CDV	100/818/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.

IEC 61883 consists of the following parts under the general title *Consumer audio/video equipment – Digital interface:*

Part 1: General

Part 2: SD-DVCR data transmission

Part 3: HD-DVCR data transmission

Part 4: MPEG2-TS data transmission

Part 5: SDL-DVCR data transmission

Part 6: Audio and music data transmission protocol

Part 7: Transmission of ITU-R BO.1294 System B

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- withdrawn;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 document may be issued at a later date.

CONSUMER AUDIO/VIDEO EQUIPMENT – DIGITAL INTERFACE –

Part 4: MPEG2-TS data transmission

1 Scope

This part of IEC 61883 describes the packetization and the transmission timing for MPEG2 transport streams for the IEEE 1394 digital interface. It describes the specifications for the IEEE 1394 packet, the CIP header and the transmission timing for use with the transport stream as specified in prETS 300 468. This explanation is based on the transport stream as specified in DVB.

2 Normative reference

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.

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

ISO/IEC 13818-1, *Information technology – Generic coding of moving pictures and associated audio information: Systems*

ISO/IEC 13818-2, *Information technology – Generic coding of moving pictures and associated audio information: Video*

ISO/IEC 13818-3, *Information technology – Generic coding of moving pictures and associated audio information – Part 3: Audio*

ISO/IEC 13818-9, *Information technology – Generic coding of moving pictures and associated audio information – Part 9: Extension for real time interface for system decoders*

prETS 300 468, *Digital broadcasting systems for television, sound and data services – Specification for Service Information (SI) in digital video broadcasting (DVB) systems*