

Consumer audio/video equipment — Digital interface —

Part 4: MPEG2-TS data transmission

The European Standard EN 61883-4:2005 has the status of a
British Standard

ICS 35.200; 33.160.01

National foreword

This British Standard is the official English language version of EN 61883-4:2005. It is identical with IEC 61883-4:2004. It supersedes BS EN 61883-4:1998 which will be withdrawn on 1 November 2008.

The CENELEC common modifications have been implemented at the appropriate places in the text. The start and finish of each common modification is indicated in the text by tags [C] [C]. Where a common modification has been introduced by amendment, the tags carry the number of the amendment. For example, the common modifications introduced by CENELEC amendment A11 are indicated by [C11] [C11].

The UK participation in its preparation was entrusted to Technical Committee EPL/100, Audio, video and multimedia systems, which has the responsibility to:

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 12, an inside back cover and a back cover.

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Supersedes EN 61883-4:1998

English version

Consumer audio/video equipment -
Digital interface
Part 4: MPEG 2-TS data transmission
(IEC 61883-4:2004)

Matériel audio/vidéo grand public -
Interface numérique
Partie 4: Transmission de données
MPEG 2-TS
(CEI 61883-4:2004)

Audio/Video-Geräte der
Unterhaltungselektronik -
Digitale Schnittstelle
Teil 4: MPEG 2-TS-Datenübertragung
(IEC 61883-4:2004)

This European Standard was approved by CENELEC on 2005-11-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in two official versions (English, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

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CENELEC

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

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Foreword

The text of the International Standard IEC 61883-4:2004, 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 formal vote and was approved by CENELEC as EN 61883-4 on 2005-11-01.

This European Standard supersedes EN 61883-4:1998.

It contains the following significant technical changes with respect to EN 61883-4:1998: updated IEC 61834-9, IEC 61834-10 and added IEC 61834-1 in Bibliography.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2006-11-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2008-11-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61883-4:2004 was approved by CENELEC as a European Standard without any modification.

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*

3 Terms, definitions, and abbreviations

For the purposes of this document, the following abbreviations apply:

CIP	Common Isochronous Packet
CTR	Cycle Time Register
DVB	Digital Video Broadcasting (in Europe)
SI	Service Information
ETS	European Telecommunication Standard
MPEG	Moving Picture Experts Group
RTI	Real Time Interface
TS	Transport Stream
TSP	Transport Stream Packet
IEEE 1394 packet	IEEE 1394 isochronous packet defined in IEC 61883-1