SLOVENSKI STANDARD
SIST EN 62546:2010

01-februar-2010

Smernice za povezavo s HD-zapisovanjem (IEC 62546:2009)

HD recording link guidelines (IEC 62546:2009)

Leitfaden für eine Schnittstelle zur HD-Aufzeichnung (IEC 62546:2009)

Lignes directrices relatives aux liaisons dédiées à l'enregistrement Haute Définition (HD) (CEI 62546:2009)

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Ta slovenski standard je istoveten z: EN 62546:2009

<u>**ICS:**</u>

33.160.01	Avdio, video in avdiovizualni sistemi na splošno	Audio, video and audiovisual systems in general

SIST EN 62546:2010   **en**

2003-01.Slovenski inštitut za standardizacijo. Razmnoževanje celote ali delov tega standarda ni dovoljeno.

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 62546

December 2009

ICS 33.160.25; 33.160.40

English version

High Definiton (HD) recording link guidelines
(IEC 62546:2009)

Lignes directrices relatives
aux liaisons dédiées à l'enregistrement
Haute Définition (HD)
(CEI 62546:2009)

Leitfaden für eine Schnittstelle
zur HD-Aufzeichnung
(IEC 62546:2009)

This European Standard was approved by CENELEC on 2009-10-01. 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.

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CENELEC

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

Central Secretariat: Avenue Marnix 17, B - 1000 Brussels

Ref. No. EN 62546:2009 E

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Foreword

The text of document 100/1470/CDV, future edition 1 of IEC 62546, prepared by technical area 9: Audio, video and multimedia applications for end-user network, of IEC TC 100, Audio, video and multimedia systems and equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62546 on 2009-10-01.

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)   2010-07-01

– latest date by which the national standards conflicting
  with the EN have to be withdrawn   (dow)   2012-10-01

Annex ZA has been added by CENELEC.

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Endorsement notice

The text of the International Standard IEC 62546:2009 was approved by CENELEC as a European Standard without any modification.

Annex ZA
(normative)

**Normative references to international publications
with their corresponding European publications**

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.

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

Publication	Year	Title	EN/HD	Year
IEC 62481-1	2007	Digital living network alliance (DLNA) home networked device interoperability guidelines - Part 1: Architecture and protocols	-	-
IEC 62481-2	-[1]	Digital living network alliance (DLNA) home networked device interoperability guidelines - Part 2: DLNA media formats	-	-
ETSI TR 101 211	2004[2]	Digital Video Broadcasting (DVB); Guidelines on implementation and usage of Service Information (SI)	-	-

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[1] Undated reference.

[2] ETSI TR 101 211:2004 is superseded by ETSI TR 101 211:2009.

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IEC 62546

INTERNATIONAL
STANDARD

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High Definition (HD) recording link guidelines

INTERNATIONAL
ELECTROTECHNICAL
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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HIGH DEFINITION (HD) RECORDING LINK GUIDELINES

FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.

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International Standard IEC 62546 has been prepared by technical area 9: Audio, video and multimedia applications for end-user network, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

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

CDV	Report on voting
100/1470/CDV	100/1558/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.

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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.

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 publication using a colour printer.

INTRODUCTION

With the global introduction of High definition (HD) TV services, receivers, and consumer recording equipment, the need has arisen for a universal recording interface to connect receivers and recorders.

This International Standard presents a comprehensive proposal for this interface including content protection [2][3] [1]. The proposal – intended as a guideline – leverages existing standards IEC 62481-1, and [4] in the field, ensuring interoperability between receivers and recorders.

NOTE * HDMI (High-Definition Multimedia Interface) [2] is a digital interface for the connection between source device and monitor provided by HDMI Licensing, LLC.

Figure 1 – High definition reception and recording

The starting point for the proposal is an in-home configuration depicted in Figure 1. The assumption is that both the receiver (e.g. STB) as well as the recorder (e.g. BD-recorder) are connected to the display via an HDMI interface [4]. The proposed recording interface connects the recorder to the receiver and carries compressed signals only. Obviously, the receiver functionality can be integrated into the display.

The proposed interface recognises the fact that a large amount of content will be made available in the form of a Pay-TV and thus be protected via a Conditional Access (CA) system. The required CA functionality is assumed to be contained in the receiver.

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[1] Figures in square brackets refer to the Bibliography.

[2] HDMI is the trade name of a product supplied by HDMI Licensing, LLC. This information is given for the convenience of users of this document and does not consitute an endorsement by IEC of the product named.