SLOVENSKI STANDARD

SIST EN 62356-3:2006

januar 2006

Video snemanje – Format vrste D-11 z magnetnim trakom s širino 12,65 mm – 3. del: Preslikave podatkov s sistemom SDTI (IEC 62356-3:2003)

(istoveten EN 62356-3:2004)

Video recording – 12,65 mm type D-11 format – Part 3: Data mapping over SDTI (IEC 62356-3:2003)

ICS 33.160.40

Referenčna številka
SIST EN 62356-3:2006(en)

EUROPEAN STANDARD **EN 62356-3**

NORME EUROPÉENNE

EUROPÄISCHE NORM October 2004

ICS 33.160.40

English version

Video recording – 12,65 mm type D-11 format Part 3: Data mapping over SDTI
(IEC 62356-3:2003)

Enregistrement Vidéo –
Format 12,65 mm de type D11
Partie 3: Mappage de données à travers l'interface de transport de données série (SDTI)
(CEI 62356-3:2003)

Videoaufzeichnung –
D-11-Format mit 12,65 mm
Teil 3: Datenabbildung über SDTI
(IEC 62356-3:2003)

This European Standard was approved by CENELEC on 2004-09-01. 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 three official versions (English, French, 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Ref. No. EN 62356-3:2004 E

Foreword

The text of the International Standard IEC 62356-3:2003, prepared by IEC TC 100, Audio, video and multimedia systems and equipment, was submitted to the formal vote and was approved by CENELEC as EN 62356-3 on 2004-09-01 without any modification.

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) 2005-09-01

– latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2007-09-01

Annex ZA has been added by CENELEC.

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Endorsement notice

The text of the International Standard IEC 62356-3:2003 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 Where an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Publication	Year	Title	EN/HD	Year
IEC 62356-2	2003	Video recording - 12,65 mm type D-11 format Part 2: Picture compression and data stream	EN 62356-2	2004
SMPTE 259M	1997	Television - 10-Bit 4:2:2 Component and 4fsc Composite Digital Signals - Serial Digital Interface	-	-
SMPTE 272M	1994	Television - Formatting AES/EBU Audio and Auxiliary Data into Digital Video Ancillary Data Space	-	-
SMPTE 291M	1998	Television - Ancillary data packet and space formatting	-	-
SMPTE 305M	2000	Television - Serial data transport interface (SDTI)	-	-
SMPTE RP 165	1994	Error detection check words and status flags for use in bit-serial digital interfaces for television	-	-
SMPTE RP 188	1999	Transmission of time code and control code in the ancillary data space of a digital television data stream	-	-
AES3	1992	Serial transmission format for two-channel linearly represented digital audio data	-	-

INTERNATIONAL STANDARD

IEC 62356-3

First edition
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Video recording – 12,65 mm type D-11 format –

Part 3: Data mapping over SDTI

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International Electrotechnical Commission
Международная Электротехническая Комиссия

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CONTENTS

INTERNATIONAL ELECTROTECHNICAL COMMISSION

VIDEO RECORDING – 12,65 mm TYPE D-11 FORMAT –

Part 3: Data mapping over SDTI

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 62356-3 has been prepared by IEC technical committee 100: Audio, video and multimedia systems and equipment.

It was submitted to the ntional committees for voting under the Fast Track Procedure as the following documents:

CDV	Report on voting
100/631/CDV	100/701/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.

The committee has decided that the contents of this publication will remain unchanged until 2008-11. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

VIDEO RECORDING – 12,65 mm TYPE D-11 FORMAT –

Part 3: Data mapping over SDTI

1 Scope

This International Standard specifies the mapping of type D-11 compressed picture data stream into the SDTI payload area (SMPTE 305.2M) together with the mapping of four channels of AES3 data and time-code data into H-ANC packets. Type D-11 compressed picture data-stream mapping is defined for source-coded picture rates of 24/1,001/P,24/P, 25/P, 50-I, 30/1,001/P and 60/1,001. For the transmission of compressed picture data coded at source picture rates of 25/P and 50/I, the SDTI interface operates at a frame rate of 25 Hz. For the transmission of compressed picture data coded at source picture rates of 30/1,001P and 60/1,001I, the SDTI interface operates at a frame rate of 30/1,001 Hz.

The transmission of compressed picture data coded at the source picture rates of 24/1, 001/P and 24/P require the SDTI interface to operate at frame rates of 24/1, 001Hz and 24 Hz with the parameters defined in Annexes A and B of this standard.

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.

IEC 62356-2: *Video recording – 12,65 mm type D-11 format – Part 2: Picture compression and data stream*[1]

SMPTE 259M:1997, *Television – 10-Bit 4:2:2 Component and 4fsc Composite Digital signals – Serial Digital Interface*

SMPTE 272M:1994, *Television – Formatting AES/EBU Audio and Auxiliary Data into Digital Video Ancillary Data Space*

SMPTE 291M:1998, *Television – Ancillary Data Packet and Space Formatting*

SMPTE 305.2M:2000, *Television – Serial Data Transport Interface (SDTI)*

SMPTE RP165:1994, *Error Detection Check words and Status Flags for Use in Bit-Serial Digital Interfaces for Television*

SMPTE RP188:1999, *Transmission of Time Code and Control Code in the Ancillary Data Space of a Digital Television Data Stream*

AES3:1992, *Serial transmission format for two-channel linearly represented digital audio data*

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[1] To be published.