

Transmission of audio and/or video and related signals using infrared radiation -- Part 8-1: Digital audio and related signals

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 61603-8-1:2008 sisaldab Euroopa standardi EN 61603-8-1:2004 ingliskeelset teksti.

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English version

**Transmission of audio and/or video and related signals
using infrared radiation****Part 8-1: Digital audio and related signals
(IEC 61603-8-1:2003)**

Transmission de signaux audio
et/ou vidéo et de signaux similaires
au moyen de rayonnement infrarouge
Partie 8-1 : Signaux audio numérique
et similaires
(CEI 61603-8-1:2003)

Übertragung von Ton- und/oder
Bildsignalen und verwandten Signalen
mit Infrarotstrahlung
Teil 8-1: Digitale Audiosignale
und zugeordnete Signale
(IEC 61603-8-1:2003)

This European Standard was approved by CENELEC on 2004-04-01. 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

Foreword

The text of document 100/628/FDIS, future edition 1 of IEC 61603-8-1, prepared by 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 61603-8-1 on 2004-04-01.

This European Standard replaces subclause 6.8.3 of EN 61603-2:1997.

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) 2005-04-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2007-04-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61603-8-1:2003 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60958-1	- ¹⁾	Digital audio interface Part 1: General	EN 60958-1	- ²⁾
IEC 60958-3	- ¹⁾	Part 3: Consumer applications	EN 60958-3	2003 ³⁾
IEC 60958-4	- ¹⁾	Part 4: Professional applications (TA4)	EN 60958-4	2003 ³⁾
IEC 61603-1 + corr. May	1997 1997	Transmission of audio and/or video and related signals using infra-red radiation Part 1: General	EN 61603-1	1997
IEC 61603-2	1997	Part 2: Transmission systems for audio wide band and related signals	EN 61603-2	1997
IEC 61937	2000	Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958	EN 61937	2000
IEC 61938	- ¹⁾	Audio, video and audiovisual systems - Interconnections and matching values - Preferred matching values of analogue signals	EN 61938 + corr. February	1997 ³⁾ 1997

¹⁾ Undated reference.

²⁾ To be published.

³⁾ Valid edition at date of issue.

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TRANSMISSION OF AUDIO AND/OR VIDEO RELATED SIGNALS USING INFRARED RADIATION –

Part 8-1: Digital audio and related signals

1 Scope

This part of IEC 61603 specifies the characteristics and measuring methods for digital audio signal transmission systems using infrared radiation with sub-carrier of the frequency ranges 3 MHz to 6 MHz. It describes systems with different economic uses of the available bandwidth in order to obtain minimum interference and maximum compatibility.

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 60958-1, *Digital Audio Interface – Part 1: General*

IEC 60958-3, *Digital Audio Interface – Part 3: Consumer applications*

IEC 60958-4, *Digital Audio Interface – Part 4: Professional applications*

IEC 61603-1:1997, *Transmission of audio and/or video and related signals using infrared radiation – Part 1: General*

IEC 61603-2:1997, *Transmission of audio and/or video and related signals using infrared radiation – Part 2: Transmission systems for audio wide band and related signals*

IEC 61937:2000, *Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958*

IEC 61938, *Audio and audiovisual systems – Interconnections and matching values – Preferred matching values of analogue signals*

3 Terms, definitions and abbreviations

3.1 Terms and definitions

For the purposes of this part of IEC 61603, the definitions given in Part 1 together with the following apply.

3.1.1

source stream

source_block stream with a corresponding source_info stream and transmission_info stream

3.1.2

block_structure

structure of data and parties for transmission