SLOVENSKI STANDARD

SIST EN 61606-2:2004

september 2004

Avdio in avdiovizualna oprema – Digitalni avdio deli – Osnovne merilne metode zvokovnih karakteristik - 2. del: Splošna (porabniška) uporaba (IEC 61606-2:2003)

Audio and audiovisual equipment - Digital audio parts - Basic measurement methods of audio characteristics - Part 2: Consumer use (IEC 61606-2:2003)

ICS 33.160.30

Referenčna številka
SIST EN 61606-2:2004(en)

EUROPEAN STANDARD **EN 61606-2**

NORME EUROPÉENNE

EUROPÄISCHE NORM January 2004

ICS 33.160.01 Supersedes EN 61606:1997

English version

Audio and audiovisual equipment – Digital audio parts – Basic measurement methods of audio characteristics Part 2: Consumer use

(IEC 61606-2:2003)

Equipements audio et audiovisuels - Parties audionumériques – Méthodes fondamentales pour la mesure des caractéristiques audio Partie 2 : Utilisation par le consommateur (CEI 61606-2:2003)

Digitale Audio- und audiovisuelle Geräte - Grundlegende Messverfahren der Audio-Eigenschaften Teil 2: Allgemeingebrauch (IEC 61606-2:2003)

This European Standard was approved by CENELEC on 2003-12-01. 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.

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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 61606-2:2004 E

Foreword

The text of document 100/695/FDIS, future edition 1 of IEC 61606-2, 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 61606-2 on 2003-12-01.

EN 61606-1 and this European Standard supersede EN 61606:1997.

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) 2004-09-01

– latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2006-12-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61606-2:2003 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 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 61606-1	- [1)]	Audio and audiovisual equipment - Digital audio parts - Basic measurement methods of audio characteristics Part 1: General	EN 61606-1	2004 [2)]
IEC 60268-2	- [1)]	Sound system equipment Part 2: Explanation of general terms and calculation methods	HD 483.2 S2	1993 [2)]
IEC 60958	Series	Digital audio interface	EN 60958	Series
IEC 61883-6	- [1)]	Consumer audio/video equipment - Digital interface Part 6: Audio and music data transmission protocol	EN 61883-6	2002 [2)]
IEC 61938	- [1)]	Audio, video and audiovisual systems - Interconnections and matching values - Preferred matching values of analogue signals	EN 61938 + corr. February	1997 [2)] 1997

1) Undated reference.

2) Valid edition at date of issue.

INTERNATIONAL STANDARD

IEC 61606-2

First edition
2003-10

Audio and audiovisual equipment – Digital audio parts – Basic measurement methods of audio characteristics –

Part 2: Consumer use

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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AUDIO AND AUDIOVISUAL EQUIPMENT – DIGITAL AUDIO PARTS – BASIC MEASUREMENT METHODS OF AUDIO CHARACTERISTICS –

Part 2: Consumer use

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 61606-2 has been prepared by IEC technical committee 100: Audio, video and multimedia systems and equipment.

IEC 61606-1 and this standard cancel and replace IEC 61606 (1997). This first edition of IEC 61606-2 constitutes a technical revision.

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

FDIS	Report on voting
100/695/FDIS	100/716/RVD

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 61606 consists of the following parts under the general title *Audio and audiovisual equipment – Digital audio parts – Basic measurement methods of audio characteristics:*

Part 1: General

Part 2: Consumer use

Part 3: Professional use[1]

The committee has decided that the contents of this publication will remain unchanged until 2006. At this date, the publication will be

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

A bilingual edition may be issued at a later date.

[1] Under consideration.

AUDIO AND AUDIOVISUAL EQUIPMENT – DIGITAL AUDIO PARTS – BASIC MEASUREMENT METHODS OF AUDIO CHARACTERISTICS –

Part 2: Consumer use

1 Scope

This part of IEC 61606 deals with the basic measurement methods of the audio characteristics of the digital audio part of audio and audiovisual equipment for consumer use. The common measuring conditions and methods are described in IEC 61606-1. Specific conditions and methods of measurement for consumer equipment are given in 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 61606-1, *Audio and audiovisual equipment – Digital audio parts – Basic measurement methods of audio characteristics – Part 1: General*

IEC 60268-2, *Sound system equipment – Part 2: Explanation of general terms and calculation methods*

IEC 60958 (all parts), *Digital audio interface*

IEC 61883-6, *Consumer audio/video equipment – Digital interface – Part 6: Audio and music data transmission protocol*

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

3 Terms, definitions, explanations and rated values

3.1 Definitions

For the purposes of this part of IEC 61606, the terms and definitions given in IEC 61606-1 as well as the following apply.

3.1.1

analogue full-scale amplitude
the nominal signal level of an EUT corresponding to the digital full-scale level

NOTE In order to accommodate the EUT in an audio system, it is recommended that the analogue full scale amplitude has the value defined in IEC 61938. In the case of general purpose audio for consumer equipment, the amplitude is 2 V r.m.s.

3.1.2

normal measuring level
analogue signal level equal to –20 dB of analogue full-scale amplitude