SLOVENSKI STANDARD
SIST EN 62087-1:2016

01-julij-2016

Nadomešča:
SIST EN 62087:2012

Avdio, video in pripadajoča oprema - Ugotavljanje porabe energije - 1. del: Splošno (IEC 62087-1:2015)

Audio, video, and related equipment - Determination of power consumption -- Part 1: General (IEC 62087-1:2015)

Messverfahren für die Leistungsaufnahme von Audio-, Video- und verwandten Geräten - Teil 1: Allgemeines (IEC 62087-1:2015)

Appareils audio, vidéo et matériel connexe - Détermination de la consommation de puissance - Partie 1: Généralités (IEC 62087-1:2015)

Ta slovenski standard je istoveten z: **EN 62087-1:2016**

ICS:

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

SIST EN 62087-1:2016 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

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February 2016

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English Version

Audio, video, and related equipment - Determination of power consumption - Part 1: General (IEC 62087-1:2015)

Appareils audio, vidéo et matériel connexe - Détermination de la consommation de puissance - Partie 1: Généralités (IEC 62087-1:2015)

Messverfahren für die Leistungsaufnahme von Audio-, Video- und verwandten Geräten - Teil 1: Allgemeines (IEC 62087-1:2015)

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

European foreword

The text of document 100/2466/FDIS, future edition 1 of IEC 62087-1, prepared by Technical Area 12 “AV energy efficiency and smart grid applications” of IEC/TC 100 “Audio, video and multimedia systems and equipment” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62087-1:2016.

The following dates are fixed:

• latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2016-08-19
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2019-02-19

This document supersedes EN 62087:2012 (partially).

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Endorsement notice

The text of the International Standard IEC 62087-1:2015 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 62087 Series	NOTE	Harmonized as EN 62087 Series.
IEC 62087-2	NOTE	Harmonized as EN 62087-2.
IEC 62087-3	NOTE	Harmonized as EN 62087-3.
IEC 62087-4	NOTE	Harmonized as EN 62087-4.
IEC 62087-5	NOTE	Harmonized as EN 62087-5.
IEC 62087-6	NOTE	Harmonized as EN 62087-6.

Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu

Publication	Year	Title	EN/HD	Year
IEC 62301 (mod)	2011	Household electrical appliances - Measurement of standby power	EN 50564	2011
IEC 62542	2013	Environmental standardization for electrical and electronic products and systems - Glossary of terms	EN 62542	2013

IEC 62087-1

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INTERNATIONAL STANDARD

colour inside

Audio, video, and related equipment – Determination of power consumption – Part 1: General

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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AUDIO, VIDEO, AND RELATED EQUIPMENT – DETERMINATION OF POWER CONSUMPTION –

Part 1: General

FOREWORD

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International Standard IEC 62087-1 has been prepared by technical area 12: AV energy efficiency and smart grid applications, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

This first edition of IEC 62087-1 together with IEC 62087-2 to IEC 62087-6 cancels and replaces IEC 62087:2011 in its entirety. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to Clauses 1 to 5 of IEC 62087:2011.

– It includes new information about operation modes.
– Equipment that includes removable main batteries are now considered.
– Light measuring equipment is now specified.

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

FDIS	Report on voting
100/2466/FDIS	100/2496/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.

A list of all parts in the IEC 62087 series, published under the general title *Audio, video, and related equipment – Determination of power consumption*, can be found on the IEC website.

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 the stability date indicated on the IEC website 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 document using a colour printer.

INTRODUCTION

The IEC 62087 series specifies the general conditions and procedure for determining the power consumption of audio, video and related equipment. The specific conditions and procedures for specific types of equipment are specified in IEC 62087-3 to IEC 62087-6. IEC 62087-2 specifies signals and media that may be required to determine the power consumption of some types of equipment.

IEC 62087:2008[1] added methods for determining the On (average) mode power consumption of televisions, based on three video signal sets. These include static, dynamic broadcast-content, and Internet-content signals.

IEC 62087:2011[2] revised methods for determining the power consumption of set top boxes.

The IEC 62087 series separates IEC 62087 into parts, including this general part which specifies the common conditions and procedures and adds new information about operating modes.

IEC 62087 has been subdivided and currently consists of the following planned or published parts:

– Part 1: General
– Part 2: Signals and media
– Part 3: Television sets
– Part 4: Video recording equipment
– Part 5: Set top boxes
– Part 6: Audio equipment

1 IEC 62087:2008, *Methods of measurement for the power consumption of audio, video and related equipment*

2 IEC 62087:2011, *Methods of measurement for the power consumption of audio, video and related equipment*