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Audio, video and related equipment - Determination of power consumption - Part 6: Audio equipment

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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Supersedes EN 62087:2012 (partially)

English Version

Audio, video and related equipment - Determination of power  
consumption - Part 6: Audio equipment  
(IEC 62087-6:2015)

Matériels audio, vidéo et matériel connexe - Détermination  
de la consommation de puissance - Partie 6 : Matériel audio  
(IEC 62087-6:2015)

Messverfahren für die Leistungsaufnahme von Audio-,  
Video- und verwandten Geräten - Teil 6: Audiogeräte  
(IEC 62087-6:2015)

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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 100/2471/FDIS, future edition 1 of IEC 62087-6, 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 62087-6:2015.

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) 2016-04-10
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-07-10

This document supersedes EN 62087:2012 (partially).

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## Endorsement notice

The text of the International Standard IEC 62087-6:2015 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 60065:2014	NOTE	Harmonized as EN 60065:2014 (modified).
IEC 60268-1:1985+A1:1988	NOTE	Harmonized as HD 483.1 S2:1989 (not modified).
IEC 60268-2:1987+A1:1991	NOTE	Harmonized as HD 483.2 S2:1993 (not modified).
IEC 60268-3:2013	NOTE	Harmonized as EN 60268-3:2013 (not modified).
IEC 60958-1:2008	NOTE	Harmonized as EN 60958-1:2008 (not modified).
IEC 60958-1:2008/A1:2014	NOTE	Harmonized as EN 60958-1:2008/A1:2014 (not modified).
IEC 61672 Series	NOTE	Harmonized as EN 61672 Series.
IEC 61938:2013	NOTE	Harmonized as EN 61938:2013 (not modified).
IEC 62087 Series	NOTE	Harmonized as EN 62087 Series.
IEC 62301:2011	NOTE	Harmonized as EN 50564:2011 (modified).
IEC 62368-1:2014	NOTE	Harmonized as EN 62368-1:2014 (modified).
IEC 62542:2013	NOTE	Harmonized as EN 62542:2013 (modified).

## 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](http://www.cenelec.eu)

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60268-5	2003	Sound system equipment - Part 5: Loudspeakers	EN 60268-5	2003
+A1	2007		+A1	2009
IEC 62087-1	2015	Audio, video, and related equipment - Determination of power consumption - Part 1: General	EN 62087-1 <sup>1)</sup>	-
IEC 62087-2	2015	Audio, video, and related equipment - Determination of power consumption - Part 2: Signals and media	EN 62087-2 <sup>2)</sup>	-
IEC 62301 (mod)	2011	Household electrical appliances - Measurement of standby power	EN 50564	2011

<sup>1)</sup> At draft stage.

<sup>2)</sup> To be published.

## CONTENTS

FOREWORD .....	4
INTRODUCTION .....	6
1    Scope .....	7
2    Normative references .....	7
3    Terms, definitions and abbreviations .....	7
3.1    Terms and definitions.....	7
3.2    Abbreviations .....	9
4    Specification of operating modes and functions .....	9
5    Measurement conditions .....	10
5.1    General.....	10
5.2    Power source .....	11
5.3    Environmental conditions .....	11
5.4    Acoustical environment .....	11
5.5    Adjustment of controls .....	11
5.6    Power measurement instrument.....	11
5.7    Signal generation.....	11
5.8    Quantities to be specified and their accuracy .....	11
5.9    Loading of terminals .....	11
5.10    Output level .....	11
5.10.1    General .....	11
5.10.2    Output level at 1 W .....	11
5.10.3    Output level at one-eighth of non-clipped power .....	11
5.11    Sound level adjustments .....	12
5.12    Sound pressure level meter .....	12
5.13    Additional functions.....	12
5.14    Operating modes .....	12
5.14.1    General .....	12
5.14.2    On modes.....	12
5.14.3    Partial On modes .....	12
5.14.4    Off mode .....	13
5.14.5    Auto power down function.....	13
6    Measurement procedure .....	13
6.1    Order of measurements .....	13
6.2    Setup .....	14
6.2.1    General .....	14
6.2.2    Audio equipment terminals and settings.....	15
6.2.3    Compact audio system including loudspeaker.....	16
6.3    Power measurement .....	16
6.3.1    General .....	16
6.3.2    Off and Partial On modes .....	16
6.3.3    On modes.....	17
6.3.4    Auto power down .....	18
Annex A (informative) Location for sound pressure test .....	19
A.1    General.....	19
A.2    Example test locations .....	19

Bibliography.....	21
Figure 1 – Order of measurements.....	14
Figure 2 – Separate components .....	14
Figure 3 – Audio systems (non separable components) .....	15
Figure 4 – Audio systems (separable components) .....	15
Figure 5 – Compact audio system including loudspeaker .....	15
Figure 6 – Auto power down function .....	18
Figure A.1 – Top view .....	19
Figure A.2 – Top and front view .....	20
Figure A.3 – Side view .....	20
Table 1 – Operating modes and functions .....	10

## INTRODUCTION

This part of IEC 62087 specifies methods of measurements for the power consumption of audio equipment for consumer use. It is used in conjunction with IEC 62087-2, which specifies signals and media. This International Standard includes measurements in the On mode (operation), which was previously identified as “On (average) mode” and adds methods for measuring power consumption in the On-play, On-decoding, and idle sub-modes. These methods consider the effects of the auto power down function. Additionally, this standard includes determination of power consumption in the Partial On mode.

This standard has been divided into multiple parts. At the time of publication of this part, the following parts are planned or published.

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