



# SLOVENSKI STANDARD

## SIST EN 62849:2017

01-februar-2017

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### Vrednotenje učinka mobilnih hišnih robotov

Performance evaluation methods of mobile household robots

Verfahren zur Bewertung der Leistungsfähigkeit von mobilen Haushaltrobotern

Méthodes d'évaluation de l'aptitude à la fonction des robots mobiles à usage domestique

Ta slovenski standard je istoveten z: **EN 62849:2016**

[SIST EN 62849:2017](https://standards.iteh.ai/catalog/standards/sist/9b89af0a-7477-4a18-9b81-a71b3538110b/sist-en-62849-2017)

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#### **ICS:**

97.030	Električni aparati za dom na splošno	Domestic electrical appliances in general
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EUROPEAN STANDARD

**EN 62849**

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2016

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English Version

**Performance evaluation methods  
of mobile household robots  
(IEC 62849:2016)**

Méthodes d'évaluation de l'aptitude à la fonction  
des robots mobiles à usage domestique  
(IEC 62849:2016)

Verfahren zur Bewertung der Leistungsfähigkeit  
von mobilen Haushaltrobotern  
(IEC 62849:2016)

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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**

**EN 62849:2016****European foreword**

The text of document 59/655/FDIS, future edition 1 of IEC 62849, prepared by IEC/TC 59 "Performance of household and similar electrical appliances" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62849:2016.

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) 2017-06-29
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IEC 60335-1:2010      NOTE      Harmonized as EN 60335-1:2012 (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/TS 62885-1	-	Surface cleaning appliances - Part 1: General requirements on test material and test equipment	-	-
IEC 62929	2014	Cleaning robots for household use - Dry cleaning: Methods of measuring performance	EN 62929	2014
ISO 554	-	Standard atmospheres for conditioning and/or testing - Specifications	-	-
ISO 2768-1	1989	General tolerances - Part 1: Tolerances for linear and angular dimensions without individual tolerance indications	EN 22768-1	1993

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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



Performance evaluation methods of mobile household robots

Méthodes d'évaluation de l'aptitude à la fonction des robots mobiles à usage domestique

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**PERFORMANCE EVALUATION METHODS  
OF MOBILE HOUSEHOLD ROBOTS**

**FOREWORD**

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International Standard IEC 62849 has been prepared by IEC technical committee 59: Performance of household and similar electrical appliances.

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

FDIS	Report on voting
59/655/FDIS	59/656/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.

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

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## INTRODUCTION

This standard will cover the generic performance test methods for mobile household robots within one document. However this current version is applicable for indoor floor supported wheeled or wheel-track robots with focus on mobility and power consumption related performance. As the needs for manipulation related performance grows, it will be added into this generic performance standard.

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