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## Teknisk dokumentation for vurdering af elektriske og elektroniske produkter med hensyn til begrænsning af farlige stoffer

Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

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**IDT med: EN IEC 63000:2018**

**DS-publikationen er på engelsk.**

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## EUROPÄISCHE NORM

December 2018

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Supersedes EN 50581:2012

English Version

Technical documentation for the assessment of electrical and  
electronic products with respect to the restriction of hazardous  
substances  
(IEC 63000:2016)

Documentation technique pour l'évaluation des produits  
électriques et électroniques par rapport à la restriction des  
substances dangereuses  
(IEC 63000:2016)

Technische Dokumentation zur Beurteilung von Elektro-  
und Elektronikgeräten hinsichtlich der Beschränkung  
gefährlicher Stoffe  
(IEC 63000:2016)

This European Standard was approved by CENELEC on 2017-08-31. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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### **European foreword**

The text of document 111/413/CDV, future edition 1 of IEC 63000, prepared by IEC/TC 111 "Environmental standardization for electrical and electronic products and systems" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63000:2018.

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) 2019-06-07
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-12-07

This document supersedes EN 50581:2012. IEC 63000 is based on EN 50581:2012. Given the widespread acceptance of EN 50581:2012, it was decided to keep the text as close as possible to the original document, and to limit the changes to the minimum necessary to reflect the latest status of international standardization in this area.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive 2011/65/EU.

For the relationship with the EU Directive, see informative Annex ZZ, which is an integral part of this document.

### **Endorsement notice**

The text of the International Standard IEC 63000:2016 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 62430:2009	NOTE	Harmonized as EN 62430:2009.
IEC 62542:2013	NOTE	Harmonized as EN 62542:2013.
ISO 9001	NOTE	Harmonized as EN ISO 9001.
ISO 14001	NOTE	Harmonized as EN ISO 14001.

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**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 62321	series	Determination of certain substances in electrotechnical products	EN 62321	series
IEC 62474	2012	Material declaration for products of and for the electrotechnical industry	EN 62474	2012

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**Annex ZZ**  
(informative)

**Relationship between this European standard and the requirements of  
Directive 2011/65/EU aimed to be covered**

This European Standard has been prepared under a Commission's standardization request "M/499" / "Ares(2011)1152542" to provide one voluntary means of conforming to the requirements of Directive 2011/65/EU of 8 June 2011 (OJEU of 1 July 2011) on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS recast Directive).

Once this standard is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of this standard given in Table ZZ.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding requirements of that Directive and associated EFTA regulations.

**Table ZZ.1 – Correspondence between this European standard and the requirements of  
Directive 2011/65/EU of 8 June 2011 (OJEU of 1 July 2011)**

Requirements of Directive 2011/65/EU	Clause(s) / sub-clause(s) of this EN	Remarks / Notes
Article 7 (b) and (e)	Clause 4	Compliance with clause 4 of this Harmonised Standard ensures that the technical documentation is drawn up in accordance with the requirements of the Directive

**WARNING 1** — Presumption of conformity stays valid only as long as a reference to this European standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

**Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances**

**Documentation technique pour l'évaluation des produits électriques et électroniques par rapport à la restriction des substances dangereuses**

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INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

# TECHNICAL DOCUMENTATION FOR THE ASSESSMENT OF ELECTRICAL AND ELECTRONIC PRODUCTS WITH RESPECT TO THE RESTRICTION OF HAZARDOUS SUBSTANCES

## FOREWORD

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International Standard IEC 63000 has been prepared by technical committee 111:Environmental standardization for electrical and electronic products and systems.

The text of this International Standard is based on the following documents:

CDV	Report on voting
111/413/CDV	111/434/RVC

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

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The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
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## INTRODUCTION

Certain substances contained in electrical and electronic products are restricted by legislation and/or customer specifications. Manufacturers of final products therefore need to be able to demonstrate that their products meet the applicable substance restrictions.

For those restrictions that apply at the component or material level, it is impractical for manufacturers of electrical and electronic products to undertake their own testing of all materials contained in the final assembled product. Instead, manufacturers work with their suppliers to manage compliance and compile technical documentation as evidence of compliance. This approach is well recognised by both industry and enforcement authorities.

The aim of this document is to specify the technical documentation that the manufacturer needs to compile in order to declare compliance with the applicable substance restrictions, under various substance regulations worldwide.

This document is based on European Standard EN 50581:2012, which supports Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS).

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**TECHNICAL DOCUMENTATION FOR THE ASSESSMENT  
OF ELECTRICAL AND ELECTRONIC PRODUCTS WITH RESPECT  
TO THE RESTRICTION OF HAZARDOUS SUBSTANCES**

**1 Scope**

This document specifies the technical documentation that the manufacturer compiles in order to declare compliance with the applicable substance restrictions.

The documentation of the manufacturer's management system is outside the scope of this document.

**2 Normative references**

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 62321 (all parts), *Determination of certain substances in electrotechnical products*

IEC 62474:2012, *Material declaration for products of and for the electrotechnical industry*