

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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IEC Secretariat
3, rue de Varembé
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
info@iec.ch
www.iec.ch

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VERSION REDLINE



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

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

FOREWORD

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IEC 63000 edition 1.1 contains the first edition (2016-10) [documents 111/413/CDV and 111/424/VVC] and its amendment 1 (2022-01) [documents 111/578/CDV and 111/514/VVC].

In this Redline version, a vertical line in the margin shows where the technical content is modified by amendment 1. Additions are in green text, deletions are in strikethrough red text. A separate Final version with all changes accepted is available in this publication.

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

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

The committee has decided that the contents of the base publication and its amendment will remain unchanged until the stability date indicated on the IEC web site under 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- withdrawn,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.

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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).

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 62474:2012/2018, *Material declaration for products of, and for the electrotechnical industry*
IEC 62474:2018/AMD1:2020

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1

restricted substance

substance which is limited in its use in a product, sub-assembly, part or material

3.2

manufacturer

natural or legal person who manufactures a product or has a product designed or manufactured, and markets that product under his name or trademark

3.3

supplier

organisation that provides the manufacturer with materials, parts and/or sub-assemblies