IEC 63333

Edition 1.0 2023-08

INTERNATIONAL STANDARD

General method for assessing the proportion of reused components in products

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

ICS 13.020.01

ISBN 978-2-8322-7335-7

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GENERAL METHOD FOR ASSESSING THE PROPORTION OF REUSED COMPONENTS IN PRODUCTS

FOREWORD

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IEC 63333 has been prepared by IEC technical committee 111: Environmental standardization for electrical and electronic products and systems. It is an International Standard.

It is based on EN 45556:2019, which was prepared by the CEN and CENELEC Joint Technical Committee 10 "Energy-related products – Material efficiency Aspects for Ecodesign" (CEN-CLC/JTC 10). The document has been adopted [with modifications].

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

Draft	Report on voting
111/705/FDIS	111/718/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

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

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

INTRODUCTION

This document provides general methods for assessing the proportion of reused components in products and is intended to be used by manufacturers that want to assess the proportion of reused components in their products. It can be also used by technical committees when developing assessment methods dedicated to their product or product-group publications.

Four calculation methods based on the mass of reused components and the number of reused components are presented. Other methods can exist and be more suitable for certain products or product-groups. While writing product publications on assessing the proportion of reused components, product technical committees can apply the most suitable method for their product (or groups of products).

This document is based on the European standard EN 45556:2019 [1][1], which is part of a family of publications developed by the European CEN and CENELEC Joint Technical Committee 10. It comprises the standardization deliverables in the numerical range of 45550 to 45559, covering topics related to the following material efficiency aspects:

– extending product lifetime;
– ability to reuse components or recycle materials from products at end-of-life;
– use of reused components or recycled materials in products or both.

[1] Numbers in square brackets refer to the Bibliography.

GENERAL METHOD FOR ASSESSING THE PROPORTION OF REUSED COMPONENTS IN PRODUCTS

1 Scope

This document deals with the assessment of the proportion of reused components in products on a horizontal level, which can be applied at any point in the life of the product.

This document applies to electrical and electronic products. It can also be applied to other product types.

This document is intended to be used in the assessment of the proportion of reused components in products. It can also be used by technical committees when developing assessment methods dedicated to their product or product-group publications.

Aspects like performance, validation, verification and suitability of reused components are not in the scope of this document. It is the responsibility of the user of this document to address these aspects.

This document has the status of a horizontal publication in accordance with IEC Guide 108 [2].

2 Normative references

There are no normative references in this document.