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Produktkategoriregler för livscykelanalys av elektroniska och elektriska produkter och system

Product category rules for life cycle assessment of electrical and electronic products and systems

Som svensk standard gäller europastandarden EN IEC 63366:2025. Den svenska standarden innehåller den officiella engelska språkversionen av EN IEC 63366:2025.

Nationellt förord

Europastandarden EN IEC 63366:2025

består av:

- **europastandardens ikraftsättningsdokument**, utarbetat inom CENELEC
- **IEC 63366, First edition, 2025 - Product category rules for life cycle assessment of electrical and electronic products and systems**

utarbetad inom International Electrotechnical Commission, IEC.

Tidigare fastställd svensk standard SS-EN 50693, utg 1:2020 med eventuella tillägg, ändringar och rättelser gäller ej fr o m 2028-08-31.

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English Version

**Product category rules for life cycle assessment of electrical and
electronic products and systems
(IEC 63366:2025)**

Règles de définition des catégories de produits pour
l'analyse du cycle de vie des produits et systèmes
électriques et électroniques
(IEC 63366:2025)

Produktkategorieregeln für die Ökobilanzierung von
elektrischen und elektronischen Produkten und Systemen
(IEC 63366:2025)

This European Standard was approved by CENELEC on 2025-07-11. 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.

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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

European foreword

The text of document 111/804/FDIS, future edition 1 of IEC 63366, prepared by 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 63366:2025.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2026-08-31 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2028-08-31 document have to be withdrawn

This document supersedes EN 50693:2019 and all of its amendments and corrigenda (if any).

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Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

The text of the International Standard IEC 63366:2025 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 standard indicated:

IEC 60034-30-1	NOTE	Approved as EN 60034-30-1
IEC 60947-2	NOTE	Approved as EN IEC 60947-2
IEC 61800-9-2	NOTE	Approved as EN IEC 61800-9-2
IEC 62430:2019	NOTE	Approved as EN IEC 62430:2019 (not modified)
IEC 62474:2018	NOTE	Approved as EN IEC 62474:2019 (not modified)
IEC 62474:2018/A1:2020	NOTE	Approved as EN IEC 62474:2019/A1:2021 (not modified)
IEC/IEEE 82079-1:2019	NOTE	Approved as EN IEC/IEEE 82079-1:2020 (not modified)
ISO 9000	NOTE	Approved as EN ISO 9000
ISO 9001	NOTE	Approved as EN ISO 9001
ISO 14001:2015	NOTE	Approved as EN ISO 14001:2015 (not modified)
ISO 14020	NOTE	Approved as EN ISO 14020
ISO 14025:2006	NOTE	Approved as EN ISO 14025:2010 (not modified)
ISO 14026	NOTE	Approved as EN ISO 14026
ISO 14050:2020	NOTE	Approved as EN ISO 14050:2020 (not modified)
ISO 45001	NOTE	Approved as EN ISO 45001
ISO 80000 series	NOTE	Approved as EN ISO 80000 series

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where 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.cencenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO/TS 14027	-	Environmental management - Life cycle assessment - Requirements and guidelines	CEN ISO/TS 14027	-
ISO 14040	2006	Environmental management - Life cycle assessment - Principles and framework	EN ISO 14040	2006
ISO 14044	2006	Environmental management - Life cycle assessment - Requirements and guidelines	EN ISO 14044	2006

INTERNATIONAL STANDARD

NORME INTERNATIONALE

HORIZONTAL PUBLICATION
PUBLICATION HORIZONTALE

Product category rules for life cycle assessment of electrical and electronic products and systems

Règles de définition des catégories de produits pour l'analyse du cycle de vie des produits et systèmes électriques et électroniques

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**PRODUCT CATEGORY RULES FOR LIFE CYCLE ASSESSMENT OF
ELECTRICAL AND ELECTRONIC PRODUCTS AND SYSTEMS****FOREWORD**

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IEC 63366 has been prepared by IEC technical committee 111: Environmental standardization for electrical and electronic products and systems. It is an International Standard.

This document has been given the status of a horizontal document in accordance with the ISO/IEC Directives, Part 1.

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

Draft	Report on voting
111/804/FDIS	111/823/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, or
- revised.

INTRODUCTION

In recent years, environmental aspects of electrical and electronic products and systems (EEPS) have gained in importance for interested parties, such as customers and regulators.

In addition to qualitative approaches already widely applied in the context of an environmentally conscious design process, quantitative information on the potential environmental impacts of the full life cycle of products have gained further interest. This generates the need to provide harmonized rules for the underlying life cycle assessment (LCA) in order to provide robust and consistent quantitative environmental data on EEPS, as well as to enable data aggregation at system level, for example, buildings, power drive systems and control and protection cabinets.

The definition of product category rules (PCR), derived from ISO 14025, is an established method for a consistent approach by setting minimum quality standards for LCA in the context of environmental product declarations (EPD); hence, PCR is now defined as core rules in this document for the variety of EEPS. It is also noted that comparability of Type III environmental declarations as described in ISO 14025 depends on PCR.

On the basis of the overarching PCR set out as core rules for EEPS, product specific rules (PSR) should be elaborated to further detail the requirements for the LCA in the specific context of the products or systems in scope. This can be done, for example, by product specific standardization committees or environmental declaration programmes.

Accordingly, IEC 63372 provides methodologies for quantification of greenhouse gas (GHG) emissions, which could also be regarded as carbon footprint of a product – product category rules (CFP-PCR) for EEPS.

PRODUCT CATEGORY RULES FOR LIFE CYCLE ASSESSMENT OF ELECTRICAL AND ELECTRONIC PRODUCTS AND SYSTEMS

1 Scope

This document defines product category rules (PCR) for electrical and electronic products and systems (EEPS) to develop Type III environmental declarations for electrical and electronic products and systems (EEPS). It specifies the process and requirements on how to conduct life cycle assessment (LCA) in the context of environmental declarations.

This document provides common rules for:

- a) LCA, including the requirements for developing default scenarios;
- b) the LCA report;
- c) the development of PSR.

This document provides further guidelines for environmental declarations.

The LCA principles and framework are based on ISO 14040 and ISO 14044, and are therefore out of scope of this document.

PCR is complemented by additional product-specific rules (PSR), which further define, for example, functional units and default scenarios in the product-specific context. Therefore, this document also provides guidance on how to develop PSR in corresponding technical committees.

This document has the status of a horizontal publication in accordance with IEC Guide 108. In accordance with IEC Guide 108, this generic essential horizontal standard is intended for use by product committees as a starting point in preparing PSR standards. Specific requirements developed by product committees in PSR standard take precedence over requirements in this standard.

When there is no PSR available in a product committee, this generic essential horizontal standard could be applied by LCA practitioners with recorded complementary specifications.

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.

ISO/TS 14027, *Environmental labels and declarations – Development of product category rules*

ISO 14040:2006, *Environmental management – Life cycle assessment – Principles and framework*

ISO 14044:2006, *Environmental management – Life cycle assessment – Requirements and guidelines*