

INTERNATIONAL STANDARD

NORME INTERNATIONALE



HORIZONTAL STANDARD
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Environmental standardization for electrical and electronic products and systems – Glossary of terms

Normalisation environnementale pour les produits et les systèmes électriques et électroniques – Glossaire des termes



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CONTENTS

FOREWORD.....	3
INTRODUCTION.....	5
1 Scope.....	6
2 Normative references	6
3 General terms relating to environmental protection and management	6
4 Terms relating to determination and declaration of substances and materials	9
5 Terms relating to energy efficiency and power consumption	11
6 Terms relating to resource conservation and re-use	13
Annex A (informative) Operating conditions of equipment in respect of power demand	16
Annex B (informative) Index of terms	17
Bibliography.....	18
Table A.1 – Operating conditions of equipment in respect to power demand	16

INTERNATIONAL ELECTROTECHNICAL COMMISSION

ENVIRONMENTAL STANDARDIZATION FOR ELECTRICAL AND ELECTRONIC PRODUCTS AND SYSTEMS – GLOSSARY OF TERMS

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 62542 has been prepared by IEC technical committee 111: Environmental standardization for electrical and electronic products and systems.

It has the status of a horizontal standard in accordance with IEC Guide 108.

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

FDIS	Report on voting
111/302/FDIS	111/312/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 web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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

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INTRODUCTION

The definitions noted in this International Standard are intended to be considered by all new and existing IEC standards under maintenance that are meant to fulfil standardization needs, associated directly or indirectly, with an environmental topic or which may reference environmental aspects/impacts, even if the standard is not exclusively an environmental one. In addition this standard aims to utilise and harmonize definitions in other related documents.

This standard will be updated periodically as relevant international standardization documents evolve.

Wherever possible, the terms and definitions included herein have been taken from other IEC or ISO deliverables, either verbatim or modified if appropriate so as to make them suitable for use in a wide range of IEC deliverables on environmental matters. This standard also contains definitions for terms that are likely to be required by IEC deliverables on environmental matters, but are not yet described elsewhere.

ENVIRONMENTAL STANDARDIZATION FOR ELECTRICAL AND ELECTRONIC PRODUCTS AND SYSTEMS – GLOSSARY OF TERMS

1 Scope

This International Standard specifies generic terms and definitions that are related to environmental standardization within the IEC. It serves as a glossary of terminology to be considered for environmental aspects of relevant work in IEC.

The terms cover environmental issues that are relevant for electrotechnical products across all product life cycle stages, including but not limited to

- design and supply chain aspects in general,
- use and declaration of materials,
- analytics of environmentally relevant substances,
- aspects relating to climate protection,
- power consumption and energy efficiency,
- environmental information,
- end of life treatment.

This horizontal standard is primarily intended for use by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 108.

One of the responsibilities of a technical committee is, wherever applicable, to make use of horizontal standards in the preparation of its publications. The contents of this horizontal standard will not apply unless specifically referred to or included in the relevant publications.

2 Normative references

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.

Guide 108, *Guidelines for ensuring the coherency of IEC publications – Application of horizontal standards*

3 General terms relating to environmental protection and management

3.1

design and development

activities that take an idea or requirement and transform these into a product

Note 1 to entry: The process of design and development usually follows a series of defined steps starting with an initial idea, transforming that into a formal specification, and resulting in the creation of a working prototype and whatever documentation is required to support production of the goods or provision of the service.

[SOURCE: IEC 62430:2009, definition 3.1]