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Technical product documentation — Design for manufacturing, assembling, disassembling and end-of-life processing —

Part 2: **Vocabulary**

Conception et documentation pour la fabrication, le montage, le démontage et le traitement en fin de vie (MADE) —

Partie 2: Vocabulaire

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 10, *Technical product documentation*.

A list of all parts in the ISO 8887 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user’s national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

In recent years, policymakers throughout the world have focused their attention on ways to reduce environmental impact. In many countries this has led to, or will soon lead to, new incentives with the result that end-of-life processes now need to be considered at the design stage. Consequently, there is an increasing focus on not only the production of a product but also what is to be done when the user has finished with it. Thus, the ISO 8887 series includes consideration of disassembling the product and the treatment of the components through processes such as remanufacturing, recycling, reusing through multiple life cycles or disposing.

The ISO 8887 series aims to specify the documentation requirements for integrating these environmental aspects into the design and development of products. It relates to the following four stages:

with regard to production:

— the manufacturing of the components;

— the assembling of the components to produce a product;

with regard to end of use:

— the disassembling into components;

— the end-of-life processing of these components.

The ISO 8887 series addresses the design task, irrespective of whether the designer works for a manufacturer or a design company or is freelance. It is applicable to all types of manufactured products.

Technical product documentation — Design for manufacturing, assembling, disassembling and end-of-life processing —

Part 2: Vocabulary

1 Scope

This document defines terms for design for manufacturing, assembling, disassembling and end-of-life processing.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

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

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1
assembling
assemble
bringing together of *components* (3.6) in a functional relationship

3.2
assembly
<design for MADE> number of *components* (3.6) fitted together to perform a specific function

[SOURCE: ISO 10209:2022, 3.1.8, modified — The definition has been adjusted for design for MADE.]

3.3
commercially off-the-shelf
COTS
bought-out standard *components* (3.6) available to buy from a catalogue or other generally available source

3.4
brief
design brief
working document which specifies at any point in time the relevant needs and aims, the resources of the client and user, the context of the project and any appropriate design requirements within which all subsequent briefing (when needed) and designing can take place

Note 1 to entry: The term “design brief” is used interchangeably with “brief” in the ISO 8887 series.