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

Part 1: General concepts and requirements

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

Partie 1: Concepts généraux, processus et exigences



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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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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.

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Introduction

In recent years, policy makers 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, this document includes consideration of disassembling the product and the treatment of the components through processes such as reworking, recycling, reusing or disposing.

This document 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 component parts;
- the end-of-life processing of those components.

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

This document expands the life cycle model in ISO 15226 to cover multiple life cycles.