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Safety of machinery — Relationship with ISO 12100 —

Part 1: **How ISO 12100 relates to type-B and type-C standards**

Sécurité des machines — Relation avec l'ISO 12100 — Partie 1: Relation entre l'ISO 12100 et les normes de type B et type C



ISO/TR 22100-1:2015(E)

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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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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT), see the following URL: Foreword — Supplementary information.

The committee responsible for this document is ISO/TC 199, Safety of machinery.

ISO/TR 22100 consists of the following parts, under the general title *Safety of machinery — Relationship with ISO 12100*:

- Part 1: How ISO 12100 relates to type-B and type-C standards
- Part 2: How ISO 12100 relates to ISO 13849-1

The following parts are under preparation:

— Part 3: Implementation of ergonomic principles in safety standards

Introduction

This Technical Report is written to assist the designer/manufacturer of machinery and related components in understanding and navigating the different types of ISO machinery safety standards. It identifies the different kinds of documents in ISO (see <u>Table B.1</u>) and explains the type-A, type-B and type-C structure of machinery safety standards and their interrelationship with regard to the practical design of machinery subjected to adequate risk reduction to achieve tolerable risk.

This part of ISO/TR 22100 might be helpful for standard writing committees (type-B and type-C), too. However, it does not provide specification of the general content that is expected to be included in the different types of machinery safety standards. This specification is given in ISO Guide 78.

This part of ISO/TR 22100 includes a visual representation of many ISO machinery safety standards to assist in improving understanding of the interrelationships and linkages between these documents.