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Lifts for the transport of persons and goods —

Part 23:
Requirements for bodies certifying lifts, model lifts, lift components and lift functions

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Foreword

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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 document 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 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 178, *Lifts, escalators and moving walks*.

This first edition of ISO/TS 8100-23 cancels and replaces ISO/TS 22559-4:2011, which has been technically revised.

A list of all parts in the ISO 8100series 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.

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Introduction

0.1 The objective of the ISO 8100 series of performance-based documents is stated in the Introduction to ISO 8100-20 and ISO/TS 8100-21.

0.2 ISO 8100-20 has established global essential safety requirements (GESRs) for lifts (elevators) by addressing hazards and safety risks that can be encountered on a lift (elevator). The GESRs state safety objectives that a lift (elevator) should achieve.

0.3 ISO/TS 8100-21 sets criteria for achieving conformity with safety requirements of GESRs by specifying global safety parameters (GSPs) that should be used and implemented, where applicable, in a lift (elevator) to eliminate hazards or mitigate safety risks addressed in the GESRs.

0.4 ISO/TS 8100-22 sets prerequisite requirements that must be fulfilled before applying for certification in accordance with this document.

0.5 This document sets procedures for certification of lifts, model lifts, lift components and lift functions, and supplements related requirements of ISO/IEC 17065 for certification bodies for lifts (LCBs).

Clauses 4, 5, 6, 7 and 8 specify the application of ISO IEC 17065.

Clauses and subclauses, indicated in parentheses, supplement and clarify the corresponding requirements of ISO/IEC 17065.

0.6 The ISO 8100 series of performance-based documents provides a process for conformity assessment and certification of lifts, model lifts, lift components and lift functions with the safety requirements specified in ISO 8100-20. It includes a structured methodology for establishing, documenting and demonstrating that necessary and appropriate protective measures are taken to eliminate hazards or sufficiently mitigate risks. This process is particularly useful for establishing safety of lifts, model lifts, lift components and lift functions involving innovative design or new technologies. If one is using the process, ISO 8100-20, ISO 8100-21, ISO 8100-22 and ISO 8100-23 should be used.

0.7 This document assumes that the applicant (see 3.1) uses a quality management system, e.g. ISO 9001. Assessment of conformity to the ISO 8100 series of performance-based documents does not imply conformity to the quality management system.

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