



Safety requirements for lifts (elevators)

Part 3: Global conformity assessment procedures (GCAP)—Prerequisites for certification of conformity of lift systems, lift components and lift functions



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 - Australian Building Codes Board
 - Australian Chamber of Commerce and Industry
 - Australian Elevator Association
 - Australian Industry Group
 - Communications, Electrical and Plumbing Union—Electrical Division
 - Engineers Australia
 - Lift Engineering Society of Australia
 - Property Council of Australia
 - Safe Work Australia
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Australian Standard[®]

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Part 3: Global conformity assessment procedures (GCAP)—Prerequisites for certification of conformity of lift systems, lift components and lift functions

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PREFACE

This Standard was prepared by the Standards Australia Committee ME-004, Lift Installations.

The objective of this Standard is to specify prerequisites for application for a global conformity assessment procedure (GCPA) certificate of conformity.

This Standard is identical with, and has been reproduced from ISO/TS 22559-3:2011, *Safety requirements for lifts (elevators), Part 3: Global conformity assessment procedures (GCAP)—Prerequisites for certification of conformity of lift systems, lift components and lift functions*.

As this Standard is reproduced from an International Standard, the following applies:

- (a) In the source text ‘this part of ISO/TS 22559’ should read ‘this Australian Standard’.
- (b) A full point substitutes for a comma when referring to a decimal marker.

This Standard is recommended to be read in conjunction with the following:

- (i) AS ISO 22559.1, *Safety requirements for lifts (elevators), Part 1: Global essential safety requirements (GESRs)*.
- (ii) AS ISO 22559.2, *Safety requirements for lifts (elevators), Part 2: Safety parameters meeting the global essential safety requirements (GESRs)*.
- (iii) ISO/TS 22559-4, *Safety requirements for lifts (elevators), Part 4: Global conformity assessment procedures (GCAP)—Certification and accreditation requirements*.
- (iv) ISO 14798, *Lifts (elevators), escalators and moving walks—Risk assessment and reduction methodology*.

References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>	<i>Australian/New Zealand Standard</i>
ISO 9000 Quality management systems— Fundamentals and vocabulary	AS/NZS ISO 9000 Quality management systems— Fundamentals and vocabulary
ISO/IEC 17000 Conformity assessment—Vocabulary and general principles	AS ISO/IEC 17000 Conformity assessment—Vocabulary and general principles
ISO/TS 22559 Safety requirements for lifts (elevators) 22559-1 Part 1: Global essential safety requirements (GESRs) 22559-2 Part 2: Safety parameters meeting the global essential safety requirements (GESRs)	AS ISO 22559 Safety requirements for lifts (elevators) 22559.1 Part 1: Global essential safety requirements (GESRs) 22559.2 Part 2: Safety parameters meeting the global essential safety requirements (GESRs)

Only normative references that have been adopted as Australian or Australian/New Zealand Standard have been listed.

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INTRODUCTION

- 0.1** The objective of the ISO/TS 22559 series of documents is stated in the Introduction to ISO/TS 22559-1 and ISO/TS 22559-2.
- 0.2** ISO/TS 22559-1 has established global essential safety requirements (GESRs) for lifts (elevators) by addressing hazards and safety risks that may be encountered on a lift (elevator). The GESRs state safety objectives that a lift (elevator) should achieve.
- 0.3** ISO/TS 22559-2 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** This part of ISO/TS 22559 sets prerequisite requirements that must be fulfilled before applying for a global conformity assessment procedure (GCAP) certificate of conformity in accordance with ISO/TS 22559-4.
- 0.5** ISO/TS 22559-4 sets procedures for certification of conformity of lift systems, lift components and lift functions and for accreditation of conformity assessment bodies (GCABs).
- 0.6** The ISO/TS 22559 series of documents provides a process for assessment of conformity of lift systems, lift components or lift functions with the safety requirements specified in ISO/TS 22559-1. 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 lift systems, lift components or lift functions involving innovative design or new technologies. If one is using the process, Parts 1 to 4 of the ISO/TS 22559 series should be used.
- 0.7** This part of ISO/TS 22559 envisages that a quality management system is used, e.g. ISO 9001 for applicants (see 3.1) and ISO 17021 for GCABs (see 3.4). Assessment of conformity to the ISO/TS 22559 series of documents does not imply conformity to ISO 9001.

AUSTRALIAN STANDARD

Safety requirements for lifts (elevators)

Part 3:

Global conformity assessment procedures (GCAP)—Prerequisites for certification of conformity of lift systems, lift components and lift functions

1 Scope

This part of ISO/TS 22559 specifies prerequisite requirements for application for a global conformity assessment procedure (GCAP) certificate of conformity for new lift (elevator) systems, lift components or lift functions.

NOTE Hereinafter in this part of ISO/TS 22559, the term “lift” is used instead of the term “elevator”. The term “lift system” is also used to describe a “lift”.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC Guide 65:1996, *General requirements for bodies operating product certification systems*

ISO 9000, *Quality management systems — Fundamentals and vocabulary*

ISO 14798:2009, *Lifts (elevators), escalators and moving walks — Risk assessment and reduction methodology*

ISO/IEC 17000, *Conformity assessment — Vocabulary and general principles*

ISO/TS 22559-1:2004, *Safety requirements for lifts (elevators) — Part 1: Global essential safety requirements (GESRs)*

ISO/TS 22559-2:2010, *Safety requirements for lifts (elevators) — Part 2: Safety parameters meeting the global essential safety requirements (GESRs)*

ISO/TS 22559-4:2011, *Safety requirements for lifts (elevators) — Part 4: Global conformity assessment procedures (GCAP) – Certification and accreditation requirements*

NOTE Some of the references in ISO/IEC Guide 65 are superseded by the above references or documents listed in the Bibliography.

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 9000, ISO/IEC 17000, ISO/TS 22559-1, ISO/TS 22559-2 and the following apply.

3.1**applicant**

party that applies for a GCAP certificate of conformity

NOTE An applicant could be the designer, manufacturer or its authorized representative, installer or supplier.