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Safety requirements for escalators and moving walks —

Part 1: Global essential safety requirements (GESR)

*Exigences de sécurité des escaliers mécaniques et trottoirs roulants —
Partie 1: Exigences essentielles de sécurité globale*



Reference number
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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

In other circumstances, particularly when there is an urgent market requirement for such documents, a technical committee may decide to publish other types of normative document:

- an ISO Publicly Available Specification (ISO/PAS) represents an agreement between technical experts in an ISO working group and is accepted for publication if it is approved by more than 50 % of the members of the parent committee casting a vote;
- an ISO Technical Specification (ISO/TS) represents an agreement between the members of a technical committee and is accepted for publication if it is approved by 2/3 of the members of the committee casting a vote.

An ISO/PAS or ISO/TS is reviewed after three years in order to decide whether it will be confirmed for a further three years, revised to become an International Standard, or withdrawn. If the ISO/PAS or ISO/TS is confirmed, it is reviewed again after a further three years, at which time it must either be transformed into an International Standard or be withdrawn.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO/TS 25740-1 was prepared by Technical Committee ISO/TC 178, *Lifts, escalators and moving walks*.

ISO/TS 25740 consists of the following parts, under the general title *Safety requirements for escalators and moving walks*:

- *Part 1: Global essential safety requirements (GESR)*

Future parts will address safety parameters for escalators and moving walks.

Introduction

After the publication of ISO/TR 14799-1 and ISO/TR 14799-2, discrepancies were noted in the safety standards for escalators and moving walks. A need for the establishment of global essential safety requirements (GESR) for escalators and moving walks was identified, which resulted in the publication of ISO 14798. This methodology was a critical tool in the development of this Technical Specification on safety requirements for escalators and moving walks.

The objective of this Technical Specification is to:

- a) define a common global level of safety for all people using, or associated with, escalators and moving walks;
- b) facilitate innovation of escalators and moving walks not designed according to existing local, national or regional safety standards, while maintaining equal levels of safety (if such innovations become state of the art, they can then be integrated into the detailed local safety standard at a later date);
- c) remove trade barriers.

NOTE ISO/TS 25740-2 will contain global essential safety parameters (GESPs) for escalators and moving walks that should further assist in the use and implementation of the GESRs specified in this part of ISO/TS 25740.

Clause 4 gives the approach and methodology used in the development of this part of ISO/TS 25740. Clause 5 gives instructions for the use and implementation of GESRs. The GESRs are given in Clause 6. Each GESR specifies a safety objective, i.e. what is to be achieved rather than how to do it, in order to allow innovation and development of future technologies.

Annex A gives an overview of GESRs in relation to subsystems of escalators and moving walks. Annex B demonstrates compliance of this document with the European Directive for Machinery 2006/42/EC.

This part of ISO/TS 25740 is a basic safety standard according to the principles given in ISO/IEC Guide 51.