PD ISO/TS 8103-6:2017

BSI Standards Publication

Escalators and moving walks

Part 6: Safety parameters meeting the GESRs

bsi.

National foreword

This Published Document is the UK implementation of ISO/TS 8103-6:2017.

The UK participation in its preparation was entrusted to Technical Committee MHE/4, Lifts, hoists and escalators.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Published by BSI Standards Limited 2018

ISBN 978 0 580 97451 9

ICS 91.140.90

Compliance with a British Standard cannot confer immunity from legal obligations.

This Published Document was published under the authority of the Standards Policy and Strategy Committee on 28 February 2018.

Amendments/corrigenda issued since publication

Date	Text affected

PD ISO/TS 8103-6:2017

TECHNICAL SPECIFICATION

ISO/TS 8103-6

First edition
2017-09

Escalators and moving walks —

Part 6: Safety parameters meeting the GESRs

Escaliers mécaniques et trottoirs roulants —

Partie 6: Titre manque

Reference number
ISO/TS 8103-6:2017(E)

Contents

Page

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).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on 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 the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 178, *Lifts, escalators and moving walks*..

A list of all parts in the ISO 8103 series can be found on the ISO website.

Introduction

This document was prepared under the old numbering of the ISO 25740 series. With the resolution of the plenary Meeting in Sydney 09/2016, the new number of this document will be ISO/TS 8103-6. When the renumbering of the standards to 810x-family is finished, this document is revised.

This document was prepared in response to the need to set global safety parameters for escalators and moving walks.

The objective of ISO/TS 25740-1 and this document 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 equivalent level 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; and

c) help remove trade barriers.

ISO/TS 25740-1 establishes global essential safety requirements (GESRs) for escalators and moving walks by addressing hazards and risks that can be encountered on escalators and moving walks. The GESRs however, state only safety objectives of escalators and moving walks.

This document provides guidance and criteria for achieving conformance with safety requirements of GESRs by specifying global safety parameters (GSPs) for use and implementation, where applicable, in an escalator or moving walk to eliminate hazards or mitigate safety risks addressed in the GESRs. However, GSPs are not mandatory.

Clause 4 describes the approach and methodology used in the development of this document. Clause 5 gives instructions for the use and implementation of GSPs. The GSPs are presented in Clause 6 in the sequence of GESRs in ISO/TS 25740-1.

This document is a product safety standard in accordance with ISO/IEC Guide 51.

TECHNICAL SPECIFICATION **ISO/TS 8103-6:2017(E)**

Escalators and moving walks —

Part 6:
Safety parameters meeting the GESRs

1 Scope

This document:

a) specifies global safety parameters (GSPs) for escalators and moving walks, their components and their functions;

b) complements the system and methods specified in ISO/TS 25740-1 for mitigating safety risks that can arise in the course of, the operation and use of, or work on, escalators and moving walks.

This document is applicable to escalators and moving walks that can:

a) be located in any permanent and fixed structure within or attached to a building;

b) have any

1) rated load, size of load carrying unit and speed, and

2) travel height;

c) be affected by fire and weather;

d) be foreseeably misused, but not vandalized.

This document does not specifically cover

— needs of users with disabilities and

— risks arising from

— work on escalators and moving walks under construction or during alterations and dismantling;

— vandalism, and

— fire in the environment of the escalator or moving walk.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 14798:2009, *Lifts (elevators), escalators and moving walks — Risk assessment and reduction methodology*

ISO/TS 25740-1:2011, *Safety requirements for escalators and moving walks — Part 1: Global essential safety requirements (GESR)*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.