

## SLOVENSKI STANDARD oSIST prEN ISO 25745-1:2008

01-september-2008

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Energy performance of lifts and escalators - Part 1: Energy measurement and conformance (ISO/DIS 25745-1:2008)

## iTeh STANDARD PREVIEW

Mesure de l'énergie des ascenseurs et escaliers mécaniques - Partie 1: Mesure de l'énergie et de la conformité (ISO/DIS 25745-1:2008)

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Ta slovenski standard je istoveten z: prEN ISO 25745-1

ICS:

91.140.90 Öçãt æþæð Áv\[ ^Ád[]} að Lifts. Escalators

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## EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

## DRAFT prEN ISO 25745-1

June 2008

ICS 91.140.90

### **English Version**

## Energy performance of lifts and escalators - Part 1: Energy measurement and conformance (ISO/DIS 25745-1:2008)

Mesure de l'énergie des ascenseurs et escaliers mécaniques - Partie 1: Mesure de l'énergie et de la conformité (ISO/DIS 25745-1:2008)

This draft European Standard is submitted to CEN members for parallel enquiry. It has been drawn up by the Technical Committee CEN/TC 10.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation. 268844786339/SISTEMPLE 25745-1-2013

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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

## prEN ISO 25745-1:2008 (E)

Contents	Pa	
Foreword		

# iTeh STANDARD PREVIEW (standards.iteh.ai)

<u>SIST EN ISO 25745-1:2013</u> https://standards.iteh.ai/catalog/standards/sist/8326f56c-251f-40f3-a8d0-268ecd786339/sist-en-iso-25745-1-2013

prEN ISO 25745-1:2008 (E)

## **Foreword**

This document (prEN ISO 25745-1:2008) has been prepared by Technical Committee ISO/TC 178 "Paving units and kerbs" in collaboration with Technical Committee CEN/TC 10 "Lifts, escalators and moving walks" the secretariat of which is held by AFNOR.

This document is currently submitted to the parallel Enquiry.

### **Endorsement notice**

The text of ISO/DIS 25745-1:2008 has been approved by CEN as a prEN ISO 25745-1:2008 without any modification.

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### **DRAFT INTERNATIONAL STANDARD ISO/DIS 25745-1**

ISO/TC 178 Secretariat: AFNOR

Voting begins on: Voting terminates on:

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## Energy performance of lifts and escalators —

## Part 1:

## **Energy measurement and conformance**

Mesure de l'énergie des ascenseurs et escaliers mécaniques —

Partie 1: Mesure de l'énergie et de la conformité

ICS 91.140.90

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In accordance with the provisions of Council Resolution 15/1993 this document is circulated in the English language only.

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#### ISO/DIS 25745-1

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## **Contents** Page

Forewo	ord	.iv
Introdu	oction	v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4 4.1 4.2 4.3	Measurement and verification of lift (elevator), escalator and moving walk energy usage  Lift (elevator), escalator and moving walk energy conformance check  Lift (elevator), escalator and moving walk energy measurement  Multiple lift (elevator), escalator and moving walk installations	3 3
5 5.1 5.2 5.2.1 5.2.2 5.2.3 5.2.4 5.3 5.3.1 5.3.2 5.3.3 5.3.4	Measurement procedures for a lift (elevator) installation Preliminaries Procedure for the energy conformance check Main Current – Running Main Current – Standby Ancillary Current – Running Ancillary Current – Standby Procedures for the energy verification Main Energy – Running Main Energy – Standby Ancillary Energy Standby Ancillary Energy – Running	4 4 5 5
6 6.1 6.2 6.3	Test procedures for an escalator or moving walk installation	7 7
7 7.1 7.2 7.3 7.4	Reporting Lift (elevator) conformance check Lift (elevator) energy measurement Escalator and moving walk Conformance check Escalator and moving walk Energy measurement	8 8 8
<b>A.1</b>	A (informative) Calculation of power consumption	10
Annex	B (informative) Guidelines for reducing energy consumption	12

#### ISO/DIS 25745-1

### **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.

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 25745-1 was prepared by Technical Committee ISO/TC 178, *Lifts, escalators and moving walks*, in collaboration with Technical Committee CEN/TC 10, *Lifts, escalators and moving walks*.

ISO 25745 consists of the following parts, under the general title Energy Performance of Lifts and Escalators:

- Part 1: Energy Measurement and Conformance
- Part 2: Energy efficiency

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### Introduction

This International Standard has been prepared in response to the rapid increase in the consumption of energy on a worldwide basis, and to support the efforts to ensure the efficient and effective use of energy and to reduce losses. The Standard provides a uniform method of measuring energy consumption of all elevators, escalators and moving walks to enable verification for building energy conformance purposes. This Standard also provides tools for estimating power consumption of lifts, escalators and moving walks.

The use of this standard applies for the purpose of on demand verification of energy performance. To allow for practical field verification ability, only single unit measurements are considered.

This International Standard is intended to be a reference for the following parties:

- building officials/owners determining the energy consumption of a building based on usage and traffic profiles;
- the installers and maintenance providers of lifts, escalators and moving walks;
- consultants and architects involved in specification of lifts, escalators and moving walks.

The total power consumption over the entire life cycle of lifts, escalators and moving walks consists of power to manufacture, install, operate, and disposal of lifts, escalators and moving walks. However, for the purpose of this standard, only operating power consumption is considered in the assessment of energy consumption conformance.

Measurement of the energy used can either be to confirm power consumption of new installations, or to confirm that the energy consumed by the lifts, escalators and moving walks remains reasonably constant over the lifetime of the installation.

This Standard is suitable for national/regional jurisdictional energy conformance purposes, such as Directive 2002/91/EC, amongst others.