



National Standards Authority of Ireland

TECHNICAL GUIDE

**I.S. CEN/TR 81-10:2004**

ICS 91.140.90

**SAFETY RULES FOR THE CONSTRUCTION  
AND INSTALLATION OF LIFTS — BASICS —  
PART 10: SYSTEM OF THE EN 81 SERIES OF  
STANDARDS**

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**CEN/TR 81-10**

February 2004

ICS 91.140.90

English version

**Safety rules for the construction and installation of lifts —  
Basics — Part 10: System of the EN 81 series of standards**

Règles de sécurité pour la construction et l'installation des  
élévateurs — Éléments de base — Partie 10 : Système de  
la série des normes EN 81

Sicherheitsregeln für die Konstruktion und den Einbau von  
Aufzügen — Grundlagen — Teil 10: System der  
Normenreihe EN 81

This Technical Report was approved by CEN on 12 October 2003. It has been drawn up by the Technical Committee CEN/TC 10.

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

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## **Foreword**

This document (CEN/TR 81-10:2004) has been prepared by Technical Committee CEN/TC 10 “Lifts, escalators and moving walks”, the secretariat of which is held by AFNOR.

This document is part of the EN 81 series of standards.

## CEN/TR 81-10:2004 (E)

### Introduction

The object of this Technical Report is to explain the system of the EN 81 series of standards for lifts (see **clause 3 Terms and definitions**).

A series of standards to escalators and passenger conveyors (EN 115) is not the subject of this Technical Report.

Already in the 1950's attempts were taken to harmonise the rules for lifts in Europe and in 1964 this was incorporated into the work program of the EU to reduce trade barriers. The understanding that the Commission with its own staff was not able to lay down detailed specifications for lifts resulted in the foundation of CEN/TC 10 "Lifts, escalators and moving walks" in the early 1970's.

At that time CEN/TC 10 decided to divide the European Standardisation for lifts into 4 parts and published in 1977 the first edition of EN 81-1 "Safety rules for the construction and installation of lifts and service lifts - Part 1: Electric lifts". This was followed in 1987 by EN 81-2 "Safety rules for the construction and installation of lifts and service lifts- Part 2 : Hydraulic lifts". Both standards have been annexed to the EEC directive 84/529/EEC in their different modified versions and have been one of the conditions for the free trade of lifts. Out of the two other parts only EN 81-3 "Safety rules for the construction and installation of lifts - Part 3: Electric and hydraulic service lifts" up to now has been brought up to the formal vote stage.

Due to the changeover of the EU-Directives to the system of the "New Approach", the adoption of the Machinery and Lifts Directives and the mandates given by the Commission to CEN there was a demand to enlarge the activities in lifts standardisation. It is the intent to incorporate under the heading EN 81 the various standards prepared in sub-committees, working groups and teams of CEN/TC 10 as parts of this Technical Report. However the numbering in accordance with the old CEN/TC 10 decision was regarded as unsuitable, since it was not able to allow a clear separation between standards just giving additional provisions and those providing a complete set of requirements related to a specific type of lift.

Therefore CEN/TC 10 together with CMC prepared a system for a series of standards combining the following aspects:

- logical and suitable structure ;
- striking numbering system ;
- flexibility regarding integration of the work already done and further projects ;
- simplification of modifications in the standards ;
- retention of well established notations especially due to the acceptance of the European lift standards in other parts of the world ;
- improvement of the separation of specific items ;
- incorporation of the use of lifts into the standardisation;
- aspects related to the improvement of the safety of existing lifts, where necessary.

**NOTE** This Technical Report is subject to revision not more than once a year in order to take into account any change of title for standards or additional draft standards.

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