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Code of Practice
S.R. CEN/TR 81-10:2008

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

S.R. CEN/TR 81-10:2008

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TECHNICAL REPORT

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Supersedes CEN/TR 81-10:2004

English Version

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

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

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

This Technical Report was approved by CEN on 25 August 2008. It has been drawn up by the Technical Committee CEN/TC 10.

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Foreword

This document (CEN/TR 81-10:2008) has been prepared by Technical Committee CEN/TC 10 “Lifts, escalators and moving walks”, the secretariat of which is held by AFNOR.

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

This document supersedes CEN/TR 81:10:2004.

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

CEN/TR 81-10 structure had been set for the following reasons:

- avoid redundancy in requirements;
- deal with all type of lift drives, in accordance with a mandate given by the European Commission;
- address all type of interested parties;
- foresee a number of dedicated standalone standards.

CEN/TR 81-10 structure was proposed, discussed and adopted within CEN/TC 10 in 2003. Since new foreseen standards (Part 70, 71, 28, 72) are now published and the necessary revision of EN 81-1/2:1998 standards in order to:

- comply with CEN Guide 414 format, and
- base requirements on risk analysis.

When integrating revised EN 81-1 & 2 interested parties expressed some concerns related to the splitting into several parts. This created the need to revise CEN/TR 81-10:2004, still with the aim of avoiding redundancy and simplifying the structure of EN 81 series of standards. Part 20 and Part 50 address this.

- Part 20 groups all technical requirements for designing electric (EN 81-1) and hydraulic (EN 81-2) lifts, and in the future, other types of drives;
- Part 50 groups all examinations, calculations and tests, because many lift components are commonly used on passenger or goods passenger lifts as well as on goods only lifts.

This is the second edition of CEN/TR 81-10 which takes into account:

- the removal from the EN 81 family of standards structure of the following standards:
 - EN 12159 - Builders hoists for persons and materials with vertically guided cages;
 - EN 12158-1 - Builders hoists for goods – Part 1: Hoists with accessible platforms;
 - EN 12158-2 - Builders hoists for goods – Part 2: Inclined hoists with non-accessible load carrying devices;
- revision of:

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- EN 81-3:2000 - Safety rules for the construction and installation of lifts – Part 3: Electric and hydraulic service lifts as EN 81-30 - Safety rules for the construction and installation of lifts – Part 30: Electric and hydraulic service lifts;
- CEN/TR 81-10:2003 - new family of EN 81 standards structure integrating:
 - all the interpretations to all parts of EN 81 series of standards in only one technical specification: CEN/TS 81-11, and
 - the revised EN 81-1 and 2 will both be incorporated in EN 81-20 (passenger and goods passenger lifts) and EN 81-50 (examinations, calculations and tests of lift components);
- EN 81-1:1998 and EN 81-2:1998 to be split into two standards: one concerning passenger and goods passenger lifts (EN 81-20) and the other one concerning examinations, calculations and tests of lift components (EN 81-50);
- development of new standards and technical specifications as:
 - prCEN/TS 81-76 related to passenger lifts used for evacuation of disabled persons;
 - prEN 81-77 related to lifts subject to seismic conditions;
 - CEN/TS 81-82 related to the improvement of the accessibility of existing lifts for persons with disability;
 - prCEN/TS 81-83 related to the improvement of vandal resistance of existing lifts;
- editorial modifications related to first edition of this technical report.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this Technical Report: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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