

<b>STN</b>	<b>Bezpečnostné pravidlá na konštrukciu a montáž výtáhov</b> <b>Výtahy na prepravu osôb a tovaru</b> <b>Časť 28: Diaľková signalizácia núdzového stavu v osobných výtáhoch a v nákladných výtáhoch s prístupom osôb</b>	<b>STN EN 81-28</b>  27 4003
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Safety rules for the construction and installation of lifts - Lifts for the transport of persons and goods - Part 28: Remote alarm on passenger and goods passenger lifts

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 10/18

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EUROPEAN STANDARD

**EN 81-28**

NORME EUROPÉENNE

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Supersedes EN 81-28:2003

English Version

## Safety rules for the construction and installation of lifts - Lifts for the transport of persons and goods - Part 28: Remote alarm on passenger and goods passenger lifts

Règles de sécurité pour la construction et l'installation  
des élévateurs - Élévateurs pour le transport de  
personnes et d'objets - Partie 28 : Téléalarme pour  
ascenseurs et ascenseurs de charge

Sicherheitsregeln für die Konstruktion und den Einbau  
von Aufzügen - Aufzüge für den Personen- und  
Gütertransport - Teil 28: Fern-Notruf für Personen-  
und Lastenaufzüge

This European Standard was approved by CEN on 15 February 2018.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists 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-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

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**EN 81-28:2018 (E)****European foreword**

This document (EN 81-28:2018) has been prepared by Technical Committee CEN/TC 10, "Lifts, escalators and moving walks", the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2018 and conflicting national standards shall be withdrawn at the latest by November 2018.

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

This document supersedes EN 81-28:2003.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

The following changes have been implemented in this new edition:

- a) the general update of the standard to delete references to EN 81-1 and EN 81-2 and replace them with references to EN 81-20;
- b) the indication of the status of any battery used for alarm operation and its correct charging;
- c) the sound levels for the alarm system and their range of adjustment;
- d) the indication, at the lift car, of failure of the alarm system to be able to communicate with the rescue service.

This document is part of the EN 81 series of standards *Safety rules for the construction and installation of lifts*.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## **Introduction**

This European Standard is a type C standard as stated in EN ISO 12100. This standard has been prepared to be a harmonized standard to provide one means of conforming to the essential safety requirements of the Lift Directive.

The machinery concerned and the extent to which hazards, hazardous situations and events are covered are indicated in the scope of the standard.

When provisions of this type C standard are different from those which are stated in type A or B standards, the provisions of this type C standard take precedence over the provisions of the other standards for lifts that have been designed and built according to the provisions of this type C standard.

While drafting this standard it was assumed that:

- 1) the communication network (see Annex A) does not fail including mobile network signal strength or similar;
- 2) the power supply network failure does not occur so that all the lifts in a geographical area do not create entrapment simultaneously;
- 3) this standard is used in conjunction with the corresponding standards of the EN 81 series.

This European Standard also provides general information about the service provided by a rescue organization.

**EN 81-28:2018 (E)****1 Scope**

This European Standard applies to alarm systems for all types of passenger and goods passenger lifts, in particular those covered in the EN 81 series.

This European Standard also deals with the minimum information to be provided as part of the instruction manual related to maintenance and the rescue service.

This European Standard deals with the following significant hazard relevant to lifts when they are used as intended and under the conditions foreseen by the installer/manufacturer:

- entrapment of users due to the lift not working properly.

This European Standard is not applicable to alarm systems intended to be used to call for help in other cases, e.g. heart attack, seeking information.

This European Standard is applicable to alarm systems used for lifts manufactured and installed after the date of publication by CEN of this standard. However, this European Standard can be taken into account when applied to existing lifts.

EN 81-70 gives additional requirements for persons with disabilities (e.g. inductive loop, alarm button).

**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.

EN 81-20:2014, *Safety rules for the construction and installation of lifts - Lifts for the transport of persons and goods - Part 20: Passenger and goods passenger lifts*

EN 13015:2001+A1:2008, *Maintenance for lifts and escalators - Rules for maintenance instructions*

EN ISO 12100:2010, *Safety of machinery - General principles for design - Risk assessment and risk reduction (ISO 12100:2010)*

ISO 4190-5:2006, *Lift (Elevator) installation - Part 5: Control devices, signals and additional fittings*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**