

LIFTIDE VALMISTAMISE JA PAIGALDAMISE
OHUTUSEESKIRJAD. INIMESTE JA KAUPADE
TRANSPORDIKS MÕELDUD LIFTID. OSA 28: SÕIDU- JA
KAUBALIFTIDE KAUGSIDE-HÄIRESÜSTEEM
(Parandatud väljaanne 01.2019)

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
(Corrected version 01.2019)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 81-28:2018 sisaldab Euroopa standardi EN 81-28:2018+AC:2019 ingliskeelset teksti.	This Estonian standard EVS-EN 81-28:2018 consists of the English text of the European standard EN 81-28:2018+AC:2019.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 02.05.2018, parandusega konsolideeritud väljaanne 23.01.2019.	Date of Availability of the European standard is 02.05.2018, for consolidated version 23.01.2019.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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ICS 13.320, 91.140.90

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EUROPEAN STANDARD

EN 81-28:2018+AC

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2019

ICS 13.320; 91.140.90

Supersedes EN 81-28:2018

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 and includes the Corrigendum issued by CEN on 23 January 2019.

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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European foreword

This document (EN 81-28:2018+AC:2019) 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 AC May 2020 AC.

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 includes Corrigendum 1 issued by CEN on 23 January 2019 to correct the date of withdrawal in the European foreword.

The start and finish of text introduced or altered by corrigendum is indicated in the text by tags AC AC.

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.

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*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 81-20:2014, EN 13015:2001+A1:2008 and EN ISO 12100:2010 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1

alarm

status between the validation as true alarm and the end of the alarm