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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 25856-2010

**Safety rules for the construction and installation of accessible
goods only lifts**

仅载货电梯制造与安装安全规范

(English Translation)

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Foreword

This standard Chapter 2, Chapter 3, appendix C, Appendix E, Appendix H, Appendix J and 5.6.1.1.2b), with the 5.9.1.1.3 "appropriate" in Content are recommended, the rest are mandatory.

This standard chapter number and the main technical content and FprEN81-31.2009 "elevator manufacturing and installation of safety norms to carry only cargo Consistent (in English) only freight elevator ". lift Part 31.

For ease of use, the present standard FprEN81-31.2009 following editorial changes made.

--- In this standard "normative references" in the country with a file instead of FprEN81-31.2009 "normative references" in Corresponding foreign documents.

--- 3.1 The standard terms and definitions removed FprEN81-31.2009 and GB/T 7024-2008, GB 7588-2003 to and GB 21240-2007 same terms and definitions, in order to lift the standard uniform terms and definitions related to our country.

--- This standard deleted FprEN81-31.2009 Annex ZA and ZB, as these are not suitable for China's national conditions and their existence and no no effect on understanding and use of this standard.

This standard Appendix A, Appendix B, Appendix D, Appendix F., Appendix G, Appendix I, Appendix K, L and Appendices Appendix M is a normative, Appendix C, Appendix E, Appendix H and Appendix J is an informative annex.

This standard is proposed and managed by the National Elevator Standardization Technical Committee (SAC/TC196).

This standard is drafted. KONE.

Participated in the drafting of this standard. China Academy of Building Research Construction Mechanization Research Branch, Shanghai Mitsubishi Elevator Co., Ltd., Suzhou East South Elevator (Group) Co., Ltd., Shanghai Special Equipment Supervision and Inspection Institute of Technology, Suzhou Jiangnan Jiajie Elevator Co., Thyssen

Elevator Co., Express Elevator Co., Ltd. Shanghai Edenbo elevator.

0.1 General

0.1.1 From the purpose of protecting people and goods, the standards related to the only cargo elevator manufacturing and installation of safety norms to prevent Only with the use, maintenance and emergency operations related to the risk of accidents.

This standard only pointed out the danger involved in freight elevators extent, hazardous situations and events.

0.1.2 The following is a protected object.

a) person, for example.

1) the use of operators and personnel;

2) maintenance personnel;

3) only between the lifts of the hoistway, machine space, pulleys (if any) outside the vicinity of the art.

b) an object, for example. the load carrier parts and in only lifts.

c) building (see 0.2.4), for example. only directly related to the freight elevator of the building.

0.2 Principles

When the development of this standard, using the following principles.

0.2.1 This standard does not apply to any general included repeated electrical technology, machines and building structure comprises building elements, including fire protection Technique specification.

0.2.2 This standard deals with the basic safety requirements associated with the hoistway and machine space, but does not include any other building requirements.

0.2.3 When the member because of quality, size, and (or) the shape of the hand can not move reason, these components should be.

a) providing a lifting device for lifting attachments; or

b) designed with members connected to the lifting attachment (eg. threaded hole); or

c) a standard type readily lifted lifting apparatus based tie shape.

0.2.4 should consult interested parties made clear, and should pay particular attention to the following aspects.

a) use of only a predetermined range and lifts;

- b) environmental conditions, including ambient illumination;
- c) civil engineering problems.

0.3 Suppose

It has taken into account the possible risks of each component contained within only a complete cargo elevator.

To reduce the risk, we have developed a corresponding specification.

0.3.1 Components are.

- a) according to the usual calculation of standard design and engineering practice, taking into account all failure modes;
- b) a reliable mechanical and electrical structure;
- c) sufficient strength and is made of a material of good quality, hazardous materials not using asbestos.

0.3.2 machine has well maintained and maintain a normal working condition, in order to maintain the initial level of safety.

0.3.3 This standard does not specify IP protection level electrical components meet the requirements GB 4208-2008.

0.3.4 carrier support member designed to ensure at 0 to 100% of rated load lifts only safe operation, taking into account possible Overloading.

0.3.5 The standard requirements for electrical safety devices are. electric safety device if possible in full compliance with requirements of this standard, it failed Regardless of sex.

0.3.6 In some cases, staff may make some kind of reckless action, this standard does not consider simultaneously two kinds of reckless actions may Energy and (or) violations only freight elevators instructions for use.

0.3.7 Maintenance personnel have been trained and they work according to the maintenance manual. If during the maintenance period, the use of a person Members usually inaccessible safety device is intentionally invalidated, only this time the safe operation of freight elevators insecurity, according to the accord GB/T 18775 maintenance procedures to take additional measures to ensure the safe use of personnel.

0.3.8 the level of force used by.

a) Static. Minimum 300N;

Force b) impact generated. minimum 1000N.

This is the force a person may be imposed.

Loading and unloading, if the power drive means or manual drive means (see 0.2.4), which may be considered a force applied Greater value.

0.3.9 except for the following items, according to the manufacturing machinery and a good example of standards, can not check in the case, strictly Follow maintenance instructions periodic inspection, testing and maintenance, it will not damage to endangered status.

Depending on the type of freight elevators only, consider the following mechanical failure.

- a) suspension of the breaking;
- b) the hoisting ropes on the traction sheave sliding out of control;
- c) the auxiliary ropes, chains and breaking all connected and slack of the belt;
- d) participation in one of the brake drum or brake disc electromechanical brake failure of mechanical parts;
- e) a main drive unit with traction sheave and the related component failures;
- f) breaking the hydraulic system (not including the cylinder) of.

0.3.10 When the speed of the carrier when mechanical brake is still associated with the instantaneous mains frequency, the speed assumed at this time is not more than 115% of rated speed or velocity corresponding classification.

0.3.11 5.2.14 When required when the apparatus are provided, with only lifts the building management mechanism should be able to respond effectively to emergency alarm, Without inappropriate delays.

0.3.12 should normally provide facilities for lifting heavy equipment (see 0.2.4).

0.3.13 To ensure normal operation of the machine space equipment, machine space is assumed that the ambient temperature is maintained at 5 °C ~ 40 °C of between. When the temperature exceeds this range, the need to take appropriate measures to reduce the difference, such as. heating or cooling (see 0.2.4).

0.3.14 only by the freight elevator can only be used by authorized personnel and trained personnel. This can be controlled by a button key operated key Key card or similar device is achieved, or only to a region mounted lifts only trained personnel can be reached (see 0.2.4).

0.3.15 During maintenance and inspection, if the protective device has to be dismantled, which are held together with fasteners should guard or device.

0.3.16 lifts only the position should be set to. Use may, within a reasonable distance, or by other means near the stairs easily, in order to reach different floors of service.

Only freight elevator manufacturing and installation of safety norms