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

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**Safety rules for the construction and installation of service lifts
(English Translation)**

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Foreword

Chapter 1 of this Standard, Chapter 2, Chapter 3, Chapter 4 and 7.2.1,7.2.2,7.4.1,9.1.2b), 9.9.4.2a), 12.2.5,

SUMMARY 12.3.6.3,12.3.8,16.2a) 6), 16.2a) 7), the tape E.2 in Appendix "should be" word and appendix C, Appendix F, Appendix J is recommended

Of rest is mandatory.

This Standard is a modified EN81-3.2000 "Safety elevator manufacturing and installation specifications - Part 3. electrical and hydraulic lifts" (British

Chinese version).

This standard EN81-3.2000 made the following changes.

--- In this standard "normative references" in the country with a file instead of the EN81-3.2000 "normative references" in the corresponding

Foreign documents.

--- In this standard "reference" in the country with a file instead of the EN81-3.2000 foreign file "References" corresponding.

--- The standard delete the EN81-3.2000 preface and appendix ZA, as these are not suitable for China's national conditions and its presence or absence

No effect on understanding and use of this standard.

--- This standard EN81-3. increased "d) the permissible bending radii." 12.3.3.3 Content 2000, since the hose is secured thereto

Bend radius of not less than the maker next bend radius.

--- This standard EN81-3. increased "M14 x 1.5" 12.3.6.3 Content 2000, since the size of the thread used this

connection.

--- This standard EN81-3. Added "15.13" Chapter 15 in 2000, "15.14", "15.15", to comply with China's national conditions.

This standard Appendix A, Appendix B, Appendix D, Appendix E, Appendix G, Appendix H is normative, appendix C, Appendix F., Appendix J is

Informative appendix.

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

This standard is drafted. Canny Elevator Co., Ltd.

Participated in the drafting of this standard. First China Beijing Youli Witt Elevator Co., Ltd., Shenyang billion into Elevator Co., Ltd., Shanghai Mitsubishi Elevator has

Limited Suzhou southeast elevator (Group) Co., Ltd., Shanghai Institute of Special Equipment Inspection and Technical.

0.1 General

0.1.1 This standard from the viewpoint of protection of people and goods lifts develop safety regulations to prevent the occurrence and use of personnel, debris electricity

Ladder maintenance or emergency operations related to the risk of accidents.

0.1.2.1 can be dangerous because of the following incidents.

- a) cutting;
- b) extruding;
- c) fall;
- d) Impact;
- e) trapped;
- f) Fire;
- g) shock;
- h) material failure caused by the following reasons.
 - 1) mechanical damage;
 - 2) wear;
 - 3) corrosion.

0.1.2.2 protection of personnel.

- a) application;
- b) maintenance and inspection personnel;

c) debris hoistway and machine room (if any) to an outside person.

0.1.2.3 protection of objects.

- a) in the car load;
- b) parts of lifts;
- c) the installation of an elevator building debris.

0.2 Principles

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

0.2.1 This standard does not apply to any general repeat technique included electrical, mechanical and fire protection building element comprises a building structure, including the

specification.

However, it is necessary to formulate certain norms to ensure good manufacturing quality. Perhaps they are special lifts for manufacturers in terms of

Some requirements, but also perhaps because of debris elevator use, there may be other occasions than the more stringent requirements.

0.2.2 This standard specifies the basic safety requirements for the installation of lifts in the building or structure, but should also comply with the country concerned

Building codes, such as a predetermined minimum room height and the size of the entrance door.

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 mode); or
- c) a standard type readily lifted lifting apparatus based tie shape.

0.2.4 This proposed standard as only the materials and components shall meet the requirements of safe operation of lifts.

0.2.5 content to be negotiated between buyers and suppliers (or their authorized agent) as follows.

- a) the intended use of the service lift;
- b) condition;
- c) civil engineering problems;

d) other aspects of the installation site, for example. unattended children. Also, see Appendix J.

0.3 suppose

Considering the potentially dangerous parts of each contained within a complete lift debris. Develop the appropriate specifications.

0.3.1 Components are.

- a) engineering practice and is generally calculated according to the design specifications, taking into account all failure modes;
- b) reliable mechanical and electrical structure;
- c) sufficient strength and is made of a material of good quality;
- d) non-defective.

No use of hazardous materials such as asbestos.

It should be well maintained and maintain a normal working condition 0.3.2 parts, wells and machine room, even if there is wear and tear, should meet the requirements of feet

Inch requirement.

0.3.3 select and configure the components in the expected environmental impacts and specific working conditions, it should not affect the safe operation of lifts.

0.3.4 Design of the carrier support, the elevator should be able to ensure safe operation of debris at (0 to 100)% of the rated load.

0.3.5 This standard requires that the electrical safety device, when the possibility of an electric safety device fully comply with the standards, it failure

Need not be considered.

0.3.6 When to use lifts by a predetermined method, the problem of its own negligence and carelessness unintended result should be

To protect.

0.3.7 debris elevator is not used for the transport of persons.

0.3.8 If during maintenance, a person typically not accessible using the security means is intentionally set to the inactive state, at this time the lift debris

No guarantee safe operation, maintenance procedures you should follow to take additional measures to ensure the safe use of personnel.