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**Rules for the construction and installation
of home lifts**

家用电梯制造与安装规范

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Foreword

The appendix A, B, C of this Standard are normative

This Standard is proposed and under the jurisdiction of National Lift Standardization Committee (SAC/TC 196).

Main draft unit of this Standard: Institute of Building Mechanization of China Academy of Building Research

Participation Units of this Standard: Schindler China Management Ltd, Otis Elevator Co., Ltd, Shanghai Mitsubishi Elevator Co., Ltd, Impactsachi Elevator (China) Co., Ltd, Suzhou Schindler Elevator Co., Ltd, Xizi Otis Elevator Co., Ltd, Kone Elevator Co., Ltd, Shanghai Yongda Elevator Equipment Co., Ltd, Suzhou Jiangnan Jiajie Elevator Corporation, Shanghai ThyssenKrupp Elevator Co., Ltd, Huasheng Fujitec Elevator Co., Ltd, Guangzhou Guangri Elevator Industry Co.,Ltd, Shenyang Brilliant Elevator Co., Ltd, Canny Elevator Co., Ltd, Suzhou Dongnan Hydraulic Elevator Co., Ltd, Shenyang Sanyo Elevator Co., Ltd, Xuchang XJ Elevator Co., Ltd.

Main drafters of this Standard: Cheng Fengwang, Yi Baoming, Shen Yan, Hu Bin, Lu Guoxiong, Wang Yongwang, Jin Laisheng, Ma Lingyun, Wang Fengwei, Wei Shanhu, Xu Zhenghao, Chen Luyang, Zhou Xing, Li Zhencai, Wang Youlin, Ma Yiping, Zhou Xiange, Wang Yongqiang and Li Jun.

Introduction

0.1 General

0.1.1 The object of this standard is to define safety rules related to passenger- and home lifts with a view to safeguarding persons and objects against the risk of accidents associated with the user, maintenance and emergency operation of lifts.

0.1.2 Considering that all mechanical risk, electrical risk and risk caused by neglected human working efficiency theory which relevant to home lift, for recognized main risk, specifies requirements and measures to eliminate or reduce risk. A study has been made of the various aspects of incidents possible with lifts in the following areas

0.1.2.1 Risks possible due to:

- a) Shearing;
- b) Crushing;
- c) Falling;
- d) Impact;
- e) Trapping;
- f) Electric shock;
- g) Failure of material due to:
 - 1) Mechanical damage;
 - 2) Wear;
 - 3) Corrosion.

0.1.2.2 Persons to be safeguarded:

- a) Users;
- b) Maintenance and inspection personnel;
- c) Persons outside the lift well, the machine room and pulley room (if any).

0.1.2.3 Objects to be safeguarded:

- a) Loads in car;
- b) Components of the home lift installation;
- c) Building in which the home lift is installed.

0.2 This standard does not only address the essential safety requirements of the lift directive, but additionally states minimum rules for the installation of lifts into buildings/constructions.

0.3 Home lift may be installed with new building and existing building.

0.4 Negotiations have been made between the customer and the supplier about:

- a) The intended use of the home lift;
- b) Environmental conditions;
- c) Civil engineering problems;
- d) Other aspects related to the place of installation
- e) Applicability of user.

0.5 Possible risks have been considered of each component that may be incorporated in a complete home lift installation, rules have been drawn up accordingly:

0.5.1 Components without special requirements shall meet following regulations:

- a) Designed in accordance with usual engineering practice and calculation codes, taking into



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