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

GB/T 24475-2023

Replacing GB/T 24475-2009

Remote alarm on lifts

电梯远程报警系统

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Foreword

This document was issued on 23 May 2023 by the State Administration for Market Regulation; Standardization Administration of the PRC and takes effect on 1 December 2023.

It is a GB/T standard: recommended rather than compulsory, but it is the text a Chinese reviewer applies when assessing a submission.

It is classified under ICS 91.140.90, Chinese classification Q78.

It replaces GB/T 24475-2009, which is superseded.

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules for Standardization Documents" drafting.

This document replaces GB/T 24475-2009 "Elevator Remote Alarm System". Compared with GB/T 24475-2009, except for structural adjustment and

Apart from editorial changes, the main technical changes are as follows.

a) The definitions of the terms "alarm", "confirmation", "receiving device", "rescue service organization" and "transmitter" have been changed (see 3.1, 3.2, 3.8, 3.9,

3.10), delete the term "equipment owner", "supplier", "manufacturer of alarm system", "equipment" and "maintenance organization" (see the.2009 edition

3.11, 3.12, 3.13, 3.14, 3.15);

b) Changed the requirements for the accessibility of the trigger device for alarm termination (see 4.1.3, 4.1.2 of the.2009 edition);

c) Changed the requirements for rechargeable emergency power supply (see 4.1.4, 4.1.3 of

the.2009 edition);

d) Changed the requirements for the visual and audible signal devices of the alarm system configuration (see 4.1.5, 4.1.4 of the.2009 edition);

e) Changed the requirements for alarm filtering (see 4.1.6, 4.1.5 of the.2009 edition);

f) Changed the requirement to provide the identification data of the elevator (see 4.1.7, 4.1.6 of the.2009 edition);

g) Changed the requirements for voice equipment (see 4.1.8, 4.1.7 of the.2009 edition);

h) Changed the requirements for the effectiveness and reliability of the alarm system (see 4.2.1, 4.2.1 of the.2009 edition);

i) Changed the requirements for the electrical interface (see 4.2.2, 4.2.2 of the.2009 edition);

j) Changed the location requirements of the alarm triggering device (see 4.2.3, 4.2.3 of the.2009 edition);

k) Changed the requirements for the accessibility of the alarm device (see 4.2.4, 4.2.4 of the.2009 edition);

l) Deleted the information provided together with the alarm system (see 5.1 of the.2009 edition);

m) Changed the information provided with the elevator (see 5.1, 5.2 of the.2009 edition);

n) changed the information provided to rescue service organizations (see 5.2, 5.3 of the.2009 edition);

o) Added requirements for verification of safety requirements and/or risk reduction measures (see Chapter 6);

p) Changed the requirements for signs in the car (see Chapter 7, Chapter 7 of the.2009 edition).

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

This document is drafted by. Suzhou Jiangnan Jiajie Elevator Co., Ltd., China Academy of Building Research Co., Ltd. Building Mechanization Research Branch

Institute, Shanghai Mitsubishi Elevator Co., Ltd., Hitachi Elevator (China) Co., Ltd., Otis Elevator (China) Investment Co., Ltd., Shanghai Special Equipment

Equipment Supervision and Inspection Technology Research Institute, Yongda Elevator Equipment (China) Co., Ltd., Schindler (China) Elevator Co., Ltd., Kone Elevator Co., Ltd.,

Giant KONE Elevator Co., Ltd., Chongqing Institute of Special Equipment Testing,

Shenzhen Institute of Quality and Safety Inspection and Testing, Guangdong Special Equipment

Equipment Testing Research Institute Dongguan Testing Institute, Toshiba Elevator (China) Co., Ltd., Otis Electromechanical Elevator Co., Ltd., Jianyan Machinery Inspection and Testing

(Beijing) Co., Ltd., Canny Elevator Co., Ltd., Disheng Elevator (Shanghai) Co., Ltd., Huasheng Fujitec Elevator Co., Ltd., Hangzhou Ao

Lida Elevator Co., Ltd., Shanghai New Star Electric Co., Ltd., Hangzhou Special Equipment Inspection and Research Institute (Hangzhou Special Equipment Emergency

Disposal Center), Xizi Elevator Technology Co., Ltd., Guangzhou Guangri Elevator Industry Co., Ltd., Lingwang Elevator Co., Ltd., Hangzhou Theo Elevator Co., Ltd.

Co., Ltd., Shanghai Edunburgh Elevator Group Co., Ltd., Hitachi Building Technologies (Guangzhou) Co., Ltd., Weber Elevator Co., Ltd., Shenlong Electric

Elevator Co., Ltd., Hangzhou Youmai Technology Co., Ltd., Guangdong Huanyu Electronic Technology Co., Ltd., Tongyou Elevator Co., Ltd., Oujie Electric

Ladder Parts (Shanghai) Co., Ltd., Guangdong Suzuki Elevator Co., Ltd., Shandong Best Elevator Co., Ltd., Julong Elevator Co., Ltd., Hyundai

(China) Elevator Co., Ltd., Suzhou Domeishi Home Elevator Co., Ltd.

The main drafters of this document. Wei Shanhu, Zhao Bitao, Chen Fengwang, Lu Wenjie, Guo Zhihai, Liu Wen, Jiang Tao, Liang Jun, Liu Peixi, Pu Chengdong,

Ji Tao, Chen Zhuo, Li Guanhui, Cai Yanbin, Liu Shijun, Xu Tingyu, Liu Heming, Zhu Senfeng, Xi Zi'an, Jing Yongqiang, Huang Lihong, Yu Feifei, Wang Libin,

Zhang Kaihui, Huang Dihua, Ma Guopeng, Min Jie, Wang Bao, Guo Hengzhe, Fan Jiangfeng, Qian Guohua, Liu Dan, Shi Zaihua, Shi Qi, Wu Daping, Cai Jianming,

Zhang Futing, Ge Xiaomin, Pei Guqian, Yao Gang.

This document was first published in.2009, and this is the first revision.

Introduction

According to the classification of GB/T 15706, this document belongs to the category C standard.

This document is particularly relevant to the following stakeholders related to machinery safety.

---equipment manufactory;

---Health and safety agencies.

Other stakeholders affected by the level of machinery safety are.

---Equipment users;

---Equipment owner;

--- service provider;

---Consumer (when the machine is intended to be used by the consumer).

All of the above stakeholders are likely to participate in the drafting of this document.

The machinery covered by this document and the range of hazards, hazardous states and hazardous events covered are given in the scope of this document.

When the requirements of this Category C standard are different from those in Category A or B standards, the

Manufactured machines, the requirements in this Category C standard take precedence over those in other standards.

Elevator remote alarm system

1 Scope

GB/T 24475-2023 covers the alarm system through which a passenger shut inside a lift car reaches a rescue service. The safety requirements and risk reduction measures deal with how the alarm is triggered and how the call is transmitted onward, and an informative annex sets out what a typical two-way exchange between the lift and the rescue organization has to carry, so that the person answering learns which building and which lift is involved and the trapped passenger hears a human voice rather than a tone. The usage information clause covers what has to be passed on about use and maintenance, and the document also fixes the on-site test to be carried out before the lift is put into service - an alarm that is installed but never exercised is the one that fails on the day it is needed, and by then nobody is in a position to report it. As a type C standard under the GB/T 15706 machinery safety framework, it names the significant hazards, hazardous situations and hazardous events that go with a lift used as intended. Written for lift manufacturers and installers, maintenance companies, alarm and monitoring service providers, and the bodies that inspect lifts in service.

This document specifies the alarm triggering and transmission of the alarm system, the use and maintenance information, and the requirements for on-site testing before the elevator is used.

Require.

This document describes the significant hazards, hazardous states and hazardous events