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

GB/T 23809.1-2020

**Emergency guidance systems - Setting principles and
requirements - Part 1: Inside buildings**

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Foreword

GB/T 23809 "Principles and Requirements for the Setup of Emergency Guidance System" is divided into the following parts.

- Part 1. Inside the building;
- Part 2. Outside the building;
- Part 3. Personnel masking works.

This part is part 1 of GB/T 23809.

This section was drafted in accordance with the rules given in GB/T 1.1-2009.

This part replaces GB/T 23809-2009 "Principles and Requirements for the Setup of Emergency Guidance System". Compared with GB/T 23809-2009

To be changed as follows.

- Change Safetyway guidancesystems in English name to Emergency guidancesystems;
- Deleted the design example of emergency guidance system (see Appendix A of 2009 edition);
- Increased visibility and recognizability of phosphorescent emergency guidance elements and their size and location (see Appendix C).

This part uses the redrafting method to modify and adopt ISO 16069..2017 "Graphic Symbol Safety Sign Emergency Guidance System" (SWGS) ".

Compared with ISO 16069..2017, this part has the following structural changes.

- The natural paragraph under each chapter is set as untitled;
- Figure 1 is adjusted to Table 1, and the numbers of the remaining tables are extended;
- The numbering of Figure 2 is adjusted to Figure 1.

The technical differences between this part and ISO 16069..2017 and the reasons are as follows.

--- With regard to normative quotation documents, this part has been adjusted with technical differences to adapt to my country's technical conditions and adjustments

The situation is reflected in Chapter 2 "Regulatory Reference Documents", with specific adjustments as follows.

- * Replace ISO 3864-1 with GB/T 2893.1-2013 modified to adopt international standards;
- * Replace ISO 3864-3 with GB/T 2893.3 modified to adopt international standards;
- * Replace ISO 3864-4 with GB/T 2893.4-2013 modified to adopt international standards;
- * Replace IEC 60598-2-22 with GB 7000.2 equivalent to international standards;
- * Replace IEC 60364-5-56 with GB/T 16895.33 equivalent to international standards;
- * Replace ISO 23601 with GB/T 25894 modified to adopt international standards;
- * Replace ISO 7010 with GB/T 31523.1 modified to adopt international standards;
- * Adjusted ISO /CIE19476 from references to normative references;
- * Added references to GB/T 15565, GA480.3;

--- Move part of 5.1.1.3 to "Chapter 1 Scope" (see Chapter 1);

--- Because of the increased reference to GB/T 15565, "Chapter 3 Terms and Definitions" have deleted some duplicates with GB/T 15565

the term;

--- Deleted the descriptive clauses (see Chapter 4, paragraph 1, international standards, Chapter 4, paragraph 1);

--- Removed some repetitive clauses, such as the original 5.1.4 paragraph 1 second sentence, and the first half sentence of 5.2 paragraph 5 duplicate, delete 5.2

Content; the original 5.1.5 last sentence and the 5.4.2 paragraph 4, 6.3.2 last paragraph, 7.3.2 last paragraph last sentence, 7.4.2 paragraph

Repeat 2 paragraphs, perfect the content in 5.1.5, delete other repetitive content in the text; the penultimate paragraph of the original 5.1.1 is in

The remarks of 5.2 and 5.3.3 are repeated, and the repetitive content in the note is deleted; the first two sentences of 5.3.2 are repeated and the two sentences are merged; the original 5.4.4

Paragraph 3 is the same as the first sentence of 6.3.3 and the third paragraph of 7.4.3, perfect the content in 5.4.4, and delete other repetitive content in the text;

--- According to the original text and drafting rules in conjunction with national standards, the last paragraph of 5.1.1 was deleted, and the second half of the last paragraph of 5.1.3 was changed to

"Yi", the second sentence of 5.1.6.

The following editorial changes have been made in this section.

--- In order to adapt to my country's technical standard system, the standard name was changed to "Emergency Guidance System Setup Principles and Requirements Part 1.Construction

Inside the building ";

--- Change the English in "Example of using auxiliary text" in Table 1 to Chinese;

--- Change some unclear "exit" in the original text to "emergency exit";

--- Unify all "emergency exit" signs in the original text according to the requirements of national standards.

This part is proposed and managed by the National Graphic Symbol Standardization Technical Committee (SAC/TC59).

This section was drafted by. China National Institute of Standardization, National Disaster Reduction Center of the Ministry of Emergency Management, China Civil Aviation Science and Technology Research Institute, Beijing

Earthquake Administration.

Introduction

In order to protect the safety of the public's life and property, the need for standardization of emergency-oriented systems has also emerged. Standardized emergency guidance system

Communicating necessary safety information can help the public evacuate dangerous buildings quickly, or help the public quickly to the designated safety in the event of an emergency

Gather in the whole district.

Standardized and unified emergency guiding system setting principles can better help the public identify and follow the relevant information transmitted by the emergency guiding system

Guidance information for emergency evacuation. In addition, a standardized emergency guidance system helps emergency rescue personnel evacuate dangers in the event of an emergency

The crowd in the area.

In order to effectively communicate emergency guidance information across language barriers, the emergency guidance system in this section uses "arrows" and other national standards

Quasi-safe signs and marks.

This section does not cover emergency evacuation lighting. In some occasions, emergency evacuation lighting is not required, but in situations where emergency evacuation lighting does not work

(Such as when the smoke is diffuse), the emergency guidance system will more effectively assist emergency evacuation. However, usually the emergency guidance system and the evacuation route

It is used in combination with the Ming to enable the entire emergency guidance system to play a better role.

The purpose of this part is to regulate the design of various elements (including electric light source elements and phosphorescent elements) used in the emergency guidance system.

Using consistent elements to design can strengthen the public's awareness of the emergency guidance system and help the public quickly and effectively when an emergency occurs

Identify emergency guidance information.

This section does not cover risk assessment. It is usually necessary to adopt different types and layouts of emergency guidance systems for different risk situations. should

The specific practice and final design of the emergency guidance system should be undertaken by professionals.

Principles and requirements for setting up emergency guidance systems

Part 1. Inside the building

Important note. The colors presented in the electronic files of this part of GB/T 23809 cannot be viewed on the screen or used as actual colors

print. Although the use of colors in this section meets the requirements (within the allowable deviation according to visual inspection), it cannot be used for color matching. related

For color requirements, please refer to GB/T 2893.4-2013, which gives the color sequence system while giving the chromaticity and photometric properties

The traditional color reference value.

1 Scope