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

GB/T 37820.1-2024

Replacing GB/T 37820.1-2019

**Ships and marine technology - Design, location and use of
shipboard safety signs, fire control plan signs, safety notices
and safety markings - Part 1: Design principles**

船舶与海上技术 船舶安全标志、防火控制图标志、安全提示和安全标记的设计、
位置和使用 第1部分：设计原则

(English Translation)

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Foreword

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 is GB/T 37820 Ships and marine technology Ship safety signs, fire control plan signs, safety tips and safety markings Design, location and use of Part 1: GB/T 37820 has published the following parts.

--- Part 1. Design principles;

--- Part 2. Classification;

--- Part 3. Principles of use.

This document replaces GB/T 37820.1-2019 Ships and marine technology Ship safety signs, safety-related signs, safety tips and safety Compared with GB/T 37820.1-2019, in addition to structural adjustments and editing, In addition to the changes in performance, the main technical changes are as follows:

- a) Added the term "fire control plan sign" (see 3.2);
- b) The terms "simulated sign" and "safety-related sign" have been deleted (see 3.3 and 3.8 of the 2019 edition);
- c) Added "fire control diagram sign" (see 4.3);

- d) The reference to the figures in ISO 7010 has been changed (see Chapter 5, Chapter 5 of the 2019 edition);
- e) Changed the reference to the figures in ISO 24409-2 (see Chapter 5, Chapter 5 of the 2019 edition);
- f) The symbols for releasing lifeboats and lifebuoys with ropes have been changed (see 5.4.1, 5.4.1 of the 2019 edition);
- g) The instructions for use in the fire equipment signs have been deleted [(see 5.2e of the 2019 edition)];
- h) The form of the supplementary mark has been changed (see 6.5, 6.5 of the 2019 edition);
- i) The "Fire Control Plan Signs" has been changed (see Chapter 10, Chapter 10 of the 2019 Edition).

This document is equivalent to ISO 24409-1:2020 "Ships and marine technology - Ship safety signs, fire control plan signs, safety tips" Design, location and use of safety and security markings - Part 1. Design principles.

Introduction

GB/T 37820 Ships and marine technology Design and location of ship safety signs, fire control plan signs, safety tips and safety markings The "Placement and Use" stipulates the general design of ship safety signs, fire control plan signs, safety tips and safety markings provided to ship personnel and guidelines for use, is intended to consist of three parts.

--- Part 1. Design principles. The purpose is to provide ship safety signs, fire control plan signs, safety tips and safety markings Universal design principles.

--- Part 2. Classification. The purpose is to provide standard signs and safety tips for special use on board ships and to convey safety information based on the safety information conveyed. Categorize and index.

--- Part 3. Principles of use. The purpose is to provide the principles for the use of safety signs on board ships and to explain their location, size, graphic symbols and Provide guidance on the correct use of supplementary text.

Warning: The colors in this electronic version of the document are not intended to be displayed on screen nor printed out as a physical object.

ISO 3864-4 is used as a reference for colorimetric and photometric properties, and for color sequence systems.

1 Scope

This document specifies the general design of ship safety signs, fire control plan signs, safety tips and safety markings to be provided to shipboard personnel in principle.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

ISO 3864-1 Graphical symbols - Safety colours and safety signs - Part 1. Design principles for safety signs and safety markings safety markings

Note: GB/T 2893.1-2013 Graphical symbols, safety colors and safety signs Part 1: Design principles for safety signs and safety markings (ISO 3864-1:2011,MOD)

ISO 3864-3:2012 Graphical symbols, safety colours and safety signs - Part 3. Principles for the design of graphic symbols for safety signs

Note: GB/T 2893.3-2010 Graphical symbols, safety colors and safety signs Part 3: Design principles for graphic symbols for safety signs (ISO 3864-3:2006,MOD);

ISO 3864-4 Graphical symbols - Safety colours and safety signs - Part 4. Chromatic and photometric properties of safety sign materials

Note: GB/T 2893.4-2013 Graphical symbols, safety colors and safety signs Part 4: Chromaticity and photometric properties of safety sign materials (ISO 3864-4:2011,MOD)

ISO 7010 Graphical symbols - Safety colours and safety signs Registered safety signs

Note: GB/T 20132-2006 Ships and marine technology Passenger ship low-level lighting arrangements (ISO 15370:2001, IDT)