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

GB 5863-2022

Replacing GB 5863-1993

Aids to navigation on inland waterways

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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 replaces GB 5863-1993 "Inland River Navigation Marks" and GB 5864-1993 "Main Dimensions of Inland River Navigation Marks". This document is mainly based on GB 5863-1993 and integrates the content of GB 5864-1993. Compared with GB 5863-1993, except for structural adjustment and Apart from editorial changes, the main technical changes are as follows:

- a) Added 10 terms and definitions such as "inland river navigation aids" and "visual aids to navigation" (see Chapter 3);
- b) Increased the classification of inland navigation marks (see 4.1);
- c) Changed the category of visual aids to aid and added warning signs (see 4.3, 3.4 of GB 5863-1993);
- d) Added general requirements for radio aids to aids and virtual aids to aids (see 4.4);

- e) Changed the functional description of the river crossing sign (see 5.1.2, 4.1.1 of GB 5863-1993), and added a tower for the river crossing sign Body color and legend (see 5.1.2 and Figure 1);
- f) Changed the description of the function of coastal markers (see 5.1.3, 4.2.1 of GB 5863-1993), and added towers for coastal markers Body color and legend (see 5.1.3 and Figure 2);
- g) Added indirect guidance (see

1 Scope

GB 5863-2022 is the Chinese national standard on aids to navigation on inland waterways, in the field of services and company organization. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 29 December 2022 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 July 2023. Classification: ICS 03.220.40, CCS R62. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the general requirements for inland river navigation aids, visual aids to aid and main dimensions, radio aids to aids and virtual aids to aids, aids to aids distribution etc. This document is applicable to the aids to navigation marks distributed in inland waters such as rivers, lakes, reservoirs, and canals within the territory of the People's Republic of China.

Note. Border rivers and other special navigable waters are stipulated separately according to specific conditions.

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text. Among them, dated references For documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to this document.

GB 12708 Color of light signal of navigation mark

GB 17381 Surface Color Regulations for Visual Aids to Navigation

GB 17733 Place Name Signs

GB/T 17765 Terminology of aids to aid

3 Terms and Definitions

The following terms and definitions defined in GB/T 17765 apply to this document.

3.1 In inland waters such as rivers, lakes, reservoirs, and canals, visual aids to navigation and radio navigation are set up for safe, economical and convenient navigation of ships. Aids to navigation such as navigation marks and virtual navigation marks.

3.2 Characterized by shape, color, light quality, pattern, text, etc., it is an intuitively identifiable navigation aid. [Source: GB/T 17765-2021, 2.1.4, modified]

3.2.1 navigation mark A sign indicating the direction, limits and obstructions of a fairway. [Source: GB/T 17765-2021, 3.7.1]

3.2.2 Signal sign signalmark It is a sign indicating the limit of a specific river section, hub control gate, channel mileage, tributary estuary, port and other information related to channel or navigation. [Source: GB/T 17765-2021, 3.7.11, modified]

3.2.3 special mark It is used to mark the various buildings (structures) that block the river, cross (cross) the channel, and face the river, or the signs set up to mark specific waters.