

ICS 03.220.40

CCS R 22



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

GB 13851-2022

Replacing GB 13851-2019

Traffic safety signs on inland waterways

内河交通安全标志

Issued on: December 29, 2022

Implemented on: July 1, 2023

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

Table of Contents

1 Scope	1
2 Normative references	1
3 Terms and Definitions	1
4 Basic Requirements	2
5 Logo Classification 2 6 shore-based sign 2 7 bridge sign	25
8 Waterfront sign 29 9 variable information flag	30
10 Flags set	31
11 Logo Construction	33
43 Appendix E (informative) Support (installation) methods of inland river traffic safety signs	47

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 13851-2019 "Inland River Traffic Safety Signs". Compared with GB 13851-2019, except for structural adjustment and editorial Besides the changes, the main technical changes are as follows:

- a) The terms and definitions of shore-based markers, bridge markers, waterfront markers, and real-time clearance heights have been added (see 3.1, 3.2, 3.3, 3.5);
- b) Changed the definition of variable information flags (see 3.6, 3.2 of the 2019 edition);
- c) Changed the classification of inland river traffic safety signs (see 5.1, 5.2, 5.3, 5.4, 5.1 of the 2019 edition);
- d) Added the regulations on the dimensions of main and auxiliary marks of Class I, II, and III fairways (see Table 1, Table 2, and Table 3);
- e) Increased signs of limited width, signs of areas with high incidence of heavy fog, and signs of areas with high incidence of strong winds (see 6.1.2.10, 6.1.2.13, 6.1.2.14);
- f) Added the form and example of the main sign of the shoal sign and the deceleration sign plus auxiliary signs (see 6.1.2.17, Figure 79);

- g) The signs prohibiting the use of anchors, the sign of restricting the width of ships, the sign of restriction on one side of the channel, the sign of limiting speed, and the sign of limiting towing scale are added. Regulations on adding auxiliary marks to the logo (see 6.1.3.13, 6.1.3.25, 6.1.3.26, 6.1.3.27, 6.1.3.28);
- h) Changed the examples of emergency telephone signs and demarcation signs (see Figure 66 and Figure 68, Figure 90 and Figure 92 of the 2019 edition);
- i) The direction distance mark of the crossing estuary, the use range mark of the shoreline, and the starting and ending mark of the waterway (line) are added (see 6.1.5.12, 6.1.5.13, 6.1.5.14);
- j) Added bridge signs (see Chapter 7);

1 Scope

GB 13851 is the sign book of China's inland waterways. It defines the traffic safety signs used on rivers, canals and lakes - the prohibition, warning, mandatory and indication signs, the navigation marks for bridges and locks, and the boards that carry them - and it fixes their shape, colour, dimensions, graphics, lettering, retroreflective materials, illumination and the rules for where each one is placed. It is the document a waterway authority follows when signing a stretch of river, and the one a sign manufacturer is measured against. At 25,000 words it is a substantial reference rather than a short specification. Issued on 29 December 2022, in force since 1 July 2023, replacing GB 13851-2019. 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 edition it replaces are taken from there. The clause text, the tables and the numeric limits are not reproduced on this page - they are in the document itself, which is delivered in full in English translation.

This document stipulates the basic requirements and classification of inland river traffic safety signs, the shape, size, color, pattern, and signs of various signs. Setup, construction and lighting requirements. This document applies to the traffic safety signs set up in my country's inland navigable waters.

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 2893 safety color

GB 5768.2 Road traffic signs and markings Part

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Shore-based signs riparian-based signs Signs installed on the banks of rivers on both sides of inland navigable waters.

3.2 bridge signs bridgesigns Signs placed on water crossing structures such as road bridges, railway bridges, pipelines and aqueducts.

3.3 Waterfront sign wadingsigns A sign set on a building (structure) in water.

3.4 notice sign noticesigns Based on text, supplemented or not supplemented by graphics and symbols, the main sign of the category is determined according to the content of the text notice.

3.5 The vertical distance between the water surface and the upper bottom of the navigable clearance of the building crossing the river at the current moment.

3.6 changeable-messagesigns A sign that changes the display content due to changes in navigational environment conditions such as waterways, weather, and hydrology.