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

GB 15359-2021

Replacing GB 15359-1994

**Maritime light vessels and large navigational buoys system,
China**

中国海区灯船和大型助航浮标制式

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Table of Contents

- 1 Scope
- 2 Normative references
- 3 Terms and definitions
- 4 Logo features
 - 4.1 Daytime characteristics
 - 4.1.1 Shape
- 5 Audio and radio navigation aids
- 6 Dedicated logo

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB 15359-1994 "Standards for Lightships and Large Buoys in China Seas". Compared with GB 15359-1994, except for editorial The main technical changes outside the modification are as follows:

---Modified the terms and definitions of "light boat" and "large navigation aid buoy" (see 3.1, 3.2,

3.2 of the.1994 edition);

---Modified the requirements for the name in the logo feature (see 4.1.3, 4.1.3 of the.1994 edition);

---Modified the requirements of the night feature in the sign feature (see 4.2, 4.2 in the.1994 edition);

---Modified the requirements of chart patterns in the sign features (see 4.3, 4.5 in the.1994 edition);

---The requirements for audio navigation aids have been revised (see 5.1, 4.4 in the.1994 edition);

---Modified the requirements of radar transponder (see 5.2, 4.3 in.1994 edition);

---Added the requirements for the navigation mark of the entity automatic identification system (see 5.3); This standard was proposed and managed by the Ministry of Transport of

the People's Republic of China. The previous versions of the standard replaced by this standard are as follows:

1 Scope

GB 15359 fixes the system of light vessels and large navigational buoys used in Chinese sea areas: the shape, colour, topmark and light character of each type, and what each combination means to a mariner reading it from the bridge. Uniformity here is the whole point - a buoy that departs from the system is worse than no buoy at all - and the standard is the reference for the authorities that lay the marks and the manufacturers that build them. Issued on 11 October 2021, in force since 1 May 2022, replacing GB 15359-1994. 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 standard specifies the marking characteristics, audio and radio navigation aids and special marking requirements for light boats and large navigable buoys in the China Sea. This standard is applicable to light ships and large navigable buoys installed in the sea areas of China and its seaports, and the mouth of Tonghai estuary.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article. For undated reference documents, the latest version (including all amendments) is applicable to this document.

GB 4696 Water Navigation Aid Marks in China Sea

GB 12319 Chinese chart scheme

GB 12708 navigation mark light signal color

GB 17381 China Sea Area Visual Navigation Mark Surface Color Regulations

GB/T 17765 Terms of aids to navigation

3 Terms and definitions

The following terms and definitions defined in GB/T 17765 apply to this document. For ease of use, the following is repeated. Certain terms and definitions in GB/T 17765.

3.1 Lightvessel; lightship It is equipped with high-intensity lights, and can also be equipped with audio or radio navigation aids, usually located at seaport gates, turning points or other important water. The boat-shaped floating flag of the domain. [GB/T 17765-2021, definition

3.6.1]

3.2 Large navigational buoy; LANBY Lambi The waterline has a diameter of more than 8m and is equipped with high-intensity lamps, and can also be equipped with buoys with audio or radio navigation aids. [GB/T 17765-2021, definition 3.6.2]

4.1.1 Shape

4.1.1.1 The shape of the floating body above the waterline of the lightship is a ship, as shown in Figure 1.

4.1.1.2 The shape of the large-scale navigation buoy is cylindrical, and the schematic diagram is shown in Figure 2.