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

GB/T 14108-2011

Replacing GB/T 14108-1993

Marine magnetic compass of class A

船用A级磁罗经

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules. This standard replaces GB/T 14108-1993 "A marine magnetic compass level general technical conditions." This standard compared with GB/T 14108-1993, there are the following changes.

--- Additions and modifications of the "program" and applicable Not applicable contents (see Chapter 1, Chapter 1, 1993 edition);

--- Removed obsolete and does not refer to the criteria (see Chapter 2, Chapter 2, 1993 edition);

--- Modified "Changping carrier shaft friction within a" magnetic compass Romania bowl tilt angle (see 5118, 1993 version 4.3.13...);

- Modify the chapter heading "impermanence gimbal plate Luo longitude freedom", "Standard compass" (see 5.1.2.2 and 5.1.4.4, 1993 Nian Version 4.3.16 and 4.3.28);
- Modify the "magnet of magnetic moment" magnetic compass moderate minimum diameter of the disc (see 5133, 1993 version 4.3.18...);
- Modify the "stability and half-time period" (see 51341, 1993 edition of 4.3.23...);
- Edit "whirl error" as " $(108/Ht)^\circ$ " (see 5154, 1993 version 4.3.32...);
- Added "dial diameter" (see 5.1.4.2);
- Remove the "points system magnet length", "centering pivot" and "pivot bearing height" requirements (see the 1993 edition The 4.3.19, 4.3.20 and 4.3.21);
- Increasing the magnetic compass of environmental suitability requirements (see 5.1.7);

1 Scope

GB/T 14108-2011 is the Chinese national standard on marine magnetic compass of class a, in the field of shipbuilding and marine structures. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 30 December 2011 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 June 2012. Classification: ICS 47.020.70, CCS U65. 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 standard specifies the class A marine magnetic compass, binnacle and azimuth reading device (referred magnetic compass and accessories) requirements, test methods, test Rules and signs, packaging, transportation, storage and so on. This standard applies to direct reading of the reflection type, transmission type and a projection type liquid magnetic compass navigation. This standard does not apply to.

- a) dry dial magnetic compass;
- b) according to the above principle is different from the design of compass or does not comply with the given instructions compass;
- c) hand-held magnetic compass.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 191 Packaging - Pictorial signs

GB/T 3898 nautical magnetic compass term

GB/T 12267 Marine navigational equipment - General requirements and test methods CB/T 765-1997 electrical equipment, instruments and armament coating is applied to the technical conditions

3 Terms and Definitions

Terms and definitions GB/T 3898 defined apply to this document.

4 Classification and labeling

4.1 Classification Category magnetic compass and accessories as follows:

- a) magnetic compass according to design types can be divided into. 1) reflection type; 2) projection; 3) transfer type.
- b) the binnacle be divided into categories according to use. 1) A1-type; 2) A2 type.

4.2.1 How to order How to order a magnetic compass and accessories as follows: