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

GB/T 24949-2010

**Ship and marine technology -- Marine electromagnetic
compasses**

船舶和海上技术 船用电磁罗经

(English Translation)

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Foreword

This standard is identical with ISO 11606:2000 "Ships and marine technology - Marine electromagnetic compasses" (in English).

This standard is equivalent to translate ISO 11606:2000.

The relative standard ISO 11606:2000 made the following editorial changes.

- Preface and introduction are not included;
- "This International Standard" is, to "present standard" in this standard;
- Where there are existing national standards equivalent to international standards, and all references to the national standards;
- Identification decimal "and" to ".";
- Incorporates ISO 2005 to ISO 11606 errata content;
- Of expression in accordance with the provisions of GB/T 1.1-2000 made editorial changes.

Appendix A of this standard is an informative annex.

The standard proposed by China State Shipbuilding Corporation.

This standard by the National Standardization Technical Committee boat ocean nautical instruments Technical Committee (SAC/TC12/SC5) centralized.

This standard was drafted. Technical and Economic Research Institute of China Shipbuilding Industry.

1 Scope

This standard specifies the line with "the 1974 International Convention for the Safety of Life at Sea" (SOLAS Convention) Chapter V chapter "International HSC Regulation General

requirements for the structure and performance "(HSC Code), for the determination of the direction of steering and marine magnetic compass, type tests and individual inspection Inspection requirements. Specified in this standard applies to electromagnetic compass total length of not less than 24m of the ship. Electromagnetic compass is the use of the Earth's magnetic field Get Ship heading to the electronic device information, the information will be transmitted to the main measurement direction for steering and compass, attached to the main compass repeater and Other needs of navigation equipment.

NOTE: In this standard where the citation IMO resolutions are printed in italics.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

ISO 449:1997 Ships and marine technology class A magnetic compass, binnacle and azimuth instrument ISO 1069 nautical magnetic compass and binnacle term IEC 60945 Maritime navigation and radiocommunication equipment and systems - General requirements for the test results of the test methods and requirements IEC 61162-2 Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 2. Single talker and multiple listeners high Speed \u200b\u200btransmission IMO A.694 (17) resolution as the Global Maritime Distress and Safety System (GMDSS) composed of marine radio equipment and electrical parts General requirements for sub navigation aids IMO A.813 (19) Resolution of all marine electromagnetic compatibility of electrical and electronic equipment (EMC) General requirements IMOMSC.86 (70) Resolution Recommendation concerning maritime send magnetic heading device (TMHD's) performance standards

3 Terms and Definitions

ISO 1069 and the following terms and definitions apply to this standard established.

Magnetic Sensors magnetic sensor Probe Earth's magnetic field, and to provide appropriate information processor-related information output and direction sensors.

Processor

Information processing magnetic sensor output to provide shipping magnetic heading and (or) means the true heading.

Main compass the output of the output information of the information processor to the device compass dial or electronic compass dial the displayed image.

Repeater repeaterindicator Additional orientation display. You can also display other types of compass dial.

4 Form

Luo composition via electromagnetic magnetic sensors, information processors, main compass repeater and other equipment and devices.