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

GB/T 24950-2010

Ship and marine technology -- Marine electric windows wipers

船舶和海上技术 船用电动雨刷

(English Translation)

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Foreword

This standard is identical with ISO 17899:2004 "Ships and marine technology - Marine electric wipers" (in English).

This standard is equivalent to translate ISO 17899:2004.

The ISO 17899 standard with respect to editorial changes made the following.

- 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 ".";
- Of expression in accordance with the provisions of GB/T 1.1-2000 made editorial changes.

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 required characteristics of marine electric wipers, function, structure, materials, and electrical devices.

This standard applies to setting the ship bridge upstairs can be periodic maintenance and function, materials and electrical installations comply with ISO 8468 Wiper device regulations.

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.

GB 4208 housing protection (IP Code) (GB 4208-2008, IEC 60529:2001, IDT) ISO 6361 (all parts), machined aluminum and aluminum alloy sheet, strip, plate ISO 6362 (all parts), machined aluminum and aluminum alloy extruded rods/bars, tubes and profiles ISO 6363 (all parts), machined aluminum and aluminum alloys cold drawn rods/bars and tubes ISO 8468:1990 Ships bridge layout requirements and rules related equipment ISO/T R15510 stainless steel chemical composition IEC 60945:2002 Maritime navigation and radiocommunication equipment and systems - General requirements for the test results of the test methods and requirements

3 Terms and Definitions

The following terms and definitions apply to this standard.

Wiper wiper

Device consists of a motor and drive mechanism, wiper arm, wiper blade composition.

Wiper system System consists of wiper and its control system composition.

4 Requirements

Electric wipers should be in any weather and sea conditions, the ship should ensure that there is enough clear vision at the highest speed sailing.

5 Wipe the area

Should ensure the adoption of the wiper type, size and size selection wipe largest area, see Chapter 19.

6 Design and construction

The drive motor is mounted on the bridge or building, the wipers are divided into built-in and external types. Chapter 19 gives the different types of rain

Example brush. A typical arrangement of the various types of wipers are shown in Figure 1.

7 Wiping speed

Wiper system shall sweeps per minute window central part of the region 50 weeks, that is sweeping 100 beats/min. For linear wiper, wiper blade