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

GB/T 4798.6-2012

Replacing GB/T 4798.6-1996

**Classification of environmental conditions -- Classification of
groups of environmental parameters and their severities -- Ship
environment**

环境条件分类 环境参数组分类及其严酷程度分级 船用

(English Translation)

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5 Groups of environmental parameters and their severities Category

Environmental conditions Summary Appendix A (informative) each grade contains

Appendix B (Informative Appendix) 6K6 and 6K7 level specified in the environmental conditions in the tropics Description

Appendix NA (informative) China's national standard and IEC standard correspondence

Foreword

GB/T 4798 Classification of environmental conditions classification of groups of environmental parameters and their severities standard currently comprises several parts.

--- GB/T 4798.1 application of electric and electronic products environmental conditions - Part 1. Storage;

--- GB/T 4798.2 application of electric and electronic products environmental conditions - Part 2. Transport;

--- GB/T 4798.3 application of electric and electronic products environmental conditions - Part 3. Stationary use at weather protected locations;

--- GB/T 4798.4 application of electric and electronic products environmental conditions - Part 4. No fixed workplace climate protection use;

--- GB/T 4798.5 application of electric and electronic products environmental conditions - Part 5. Ground vehicle;

--- GB/T 4798.6 Classification of environmental conditions classification of groups of environmental parameters and their severities Marine;

--- GB/T 4798.7 application of electric and electronic products environmental conditions - Part 7. Portable and non-stationary use;

--- GB/T 4798.9 Classification of environmental conditions classification of groups of environmental parameters and their severities within the product's micro-climate;

--- GB/T 4798.10 electric and electronic products application environment conditions

Introduction.

This section GB/T 4798 Part 6.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This Part replaces GB/T 4798.6-1996 "Electrical and electronic products for marine applications environmental conditions", and GB/T 4798.6-1996 phase Ratio, the main changes are as follows.

- Increasing environmental parameters in Table 1 rating 6K6,6K7;
- In Appendix A A.2 increased climate conditions 6K6,6K7 instructions;
- Added Appendix B (informative);
- Added Appendix NA (informative).

This section uses the translation method identical with IEC 60721-3-6. 1987 "Classification of environmental conditions - Part 3. classification of groups of environmental parameters and their Severities - Section 6. Ship "and their single amendment No. 1 (1991-06) and Amended Order (1996-11), and made the following editorial Modifications.

- "This part of IEC 60721-3-6," modify "GB/T 4798.6 of this part";
- "Technical Report" to "this Part";
- Remove the IEC 60721-3-6 foreword and introduction, foreword increase the national standards;
- According to GB/T 1.1-2009 requirements, increased Chapter 3, "normative references", then reg numbers sequentially adjusted;
- Added Appendix NA (informative).

This part of the National Electrical and Electronic Products Environmental conditions and environmental tests for Standardization Technical Committee (SAC/TC8) and focal points.

This part of the main drafting units. China Shipbuilding Industry Corporation seventh THOUSAND AND FORTY Research Institute, Chinese Academy of Sciences Electric Co., Ltd.

1 Scope

GB/T 4798 in this part is to classify groups of environmental parameters and their severities products installed on the ship endured made grading.

These products can be long-term or temporarily mounted on the following ships.

- The mechanical propulsion of the ship, including a mobile offshore platforms.

--- Non-mechanical means of propulsion of ships, including sailing and life raft.

The provisions rating applies to ships from the yacht to trawlers, ferries, icebreakers, cargo ships (including tankers), and other various scales.

Normal ship sailing region.

--- Inland waterways (canals, rivers, lakes);

--- Coastal waters;

--- Ocean.

Ships must also include ice sailing.

This part of groups of environmental parameters classification and grading severities apply to products for the operation, management and security installed on the ship, but also Other products can be used in a similar manner is mounted on the same site.

This section does not include incidental accidents, but safe operation of the ship have a major impact products should consider the possibility of an accident.

This classification does not include the effects of pressure on the underwater products.

Classification of groups of environmental parameters and their severities classification, see the application by a mechanical means of propulsion in ships IEC 60092-101 Requirements in relation to environmental conditions.

Storage and transportation environmental conditions classification by the IEC 60721-3 regulations.

Objective 2

This aim is part of the product is installed on board, under its conditions of use will be subjected to all kinds of groups of environmental parameters and their severities classified into Hierarchical.

This section groups of environmental parameters and their severities classified into a limited number of grades, but its field of application is very broad. When using this section, should be selected to cover the expected conditions of use required minimum level.

3 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.

IEC 60092-101 Electrical installations in ships - Part 101. Definitions and general provisions (Electrical installations in ships - Part 101. Definitions and general requirements) IEC 60092-505 marine electrical equipment Part 505. In the mobile offshore drilling unit

(Electrical installations in ships-Part 505. Special features-Mobile off-shore drilling units) IEC
60721-2-1 Classification of environmental conditions Part 2. Environmental conditions
appearing in nature - Section 1. Temperature and humidity
(Classification of environmental conditions-Part 2.
Environmental conditions appearing in nature-