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

GB/T 14016-2018

Replacing GB 14016-1992

**Marine acoustic and optical alarm signaller - General
specification**

船用声光报警信号器 通用技术条件

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 14016-1992 "General technical conditions for marine sound and light alarm annunciators", and GB/T 14016-1992 The main technical changes include.

- Revised the normative reference document (see Chapter 2, Chapter 2 of the.1992 edition);
- Added the English equivalent of the term (see Chapter 3);
- Modified the definition of acoustic signals (see 3.1, 3.1 of the.1992 edition);
- Revised the definition of optical signals (see 3.2, 3.2 of.1992 edition);
- Removed environmental requirements (see 4.1 of the.1992 edition);
- Revised the allowable temperature rise requirements for insulated coil limits (see Table 6, Table 8 of the.1992 edition);
- Removed shipping requirements (4.7 of the.1992 version);
- Increased the relevant requirements for the use of asbestos materials (see 4.1);
- Revised the relevant requirements for the degree of protection of the enclosure (see Table 11, Table 14 of the.1992 edition);

1 Scope

GB/T 14016-2018 is the Chinese national standard on marine acoustic and optical alarm signaller - general specification, 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 14 May 2018 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 December 2018. Classification: ICS 47.020.99, CCS U62. 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 technical requirements, test methods, inspection rules and signs, and packages for marine sound and light alarm annunciators (hereinafter referred to as alarms). Loading, transport and storage. This standard applies to the sound and light alarm annunciators related to safety on board, such as. indicator lights, rotating flash or machines without such flash Design, manufacture and acceptance of electrical alarms and electronic alarms. This standard does not apply to alarms used in the following situations.

- a) an alarm used under special conditions that are corrosive and explosive;
- b) Alarms for navigation between ships or between ships and shores.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article. Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 2423.1-2008 Environmental testing of electric and electronic products - Part 2. Test methods Test A. Low temperature

GB/T 2423.2-2008 Environmental testing of electric and electronic products - Part 2. Test methods Test B. High temperature

GB/T 2423.17-2008 Environmental testing of electric and electronic products - Part 2. Test method test Ka. salt spray

GB/T 2423.18-2012 Environmental testing Part 2. Test methods Tests Kb. salt spray, alternating (sodium chloride solution)

GB/T 2423.101-2008 Environmental testing of electric and electronic products - Part 2. Test method test. Tilt and sway

GB/T 2828.1. Sampling and sampling procedures - Part 1 . Batch-to-batch sampling plan searched by the acceptance quality limit (AQL)

GB/T 3241-2010 Electroacoustic octave and fractional octave filter

GB/T 3783-2008 Basic requirements for marine low-voltage electrical appliances

GB/T 3785.1-2010 Electroacoustic sound level meters - Part 1. Specification

GB/T 3785.2-2010 Electroacoustic sound level meters - Part 2. Type evaluation test

GB/T 4208-2017 enclosure protection grade (IP code)

GB/T 4214.1-2000 - Test methods for noise of household appliances and similar appliances
- Part 1 . General requirements

GB/T 7345-2008 Basic technical requirements for control motors

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Acoustic signal A signal emitted by an acoustic device such as a clock, a buzzer, a horn, a horn, or an electronic device.

3.2 Optical signal optical signals A signal emitted by, for example, a flash lamp, a rotating light, or other illumination device.