

ICS 47.020.70
CCS U66



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

GB/T 13705-2019

Replacing GB/T 13705-1992

**General requirements for shipboard radio communication
installations**

船用无线电通信设备一般要求

Issued on: June 4, 2019

Implemented on: January 1, 2020

**Issued by: State Administration for Market Regulation;
Standardization Administration of China**

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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 13705-1992 "General requirements for marine radio communication equipment", compared with GB/T 13705-1992, the main To change as follows:

- a) Added "abbreviations" (see Chapter 4).
- b) The "Device Type" has been modified (see Chapter 5, Chapter 4 of the.1992 Edition).
 ---Additional deletion of the equipment listed in Table 1 (see Table 1, Table 1 of the.1992 edition);
 --- Added a note (see Table 1, Table 1 of the.1992 edition).
- c) Revised the "Technical Requirements" (see Chapter 6, Chapter 5 of the.1992 edition).
 --- Modify "Design and Manufacturing" to "Design and Structure", add and delete entries (see 6.1,
 5.1 of the.1992 edition).
 --- Added items such as "Appearance and Color", "Dimensions and Weights", "Signs", "Operation and Instructions" (see 6.2~6.5).
 --- Modified "Electrical Properties" (see 6.6,
 5.3 of the.1992 edition).
 --- Added "power adaptability" (see 6.7).
 --- Modified "environmental conditions" (see 6.8,.1992 edition 5.2). - Modified requirements such as "temperature", "wet heat", "shock", "collision", "tilt and sway", "vibration", "long mildew" and "salt fog" (see 6.8.1~6.8.4, 6.8.6~6.8.11,.1992 edition 5.2.1~5.2.8); - Added "thermal shock", "rain and water spray", "immersion", "short-time flooding", "solar radiation", "oil resistance", "wind", "dust" and "fall" Requirements such as falling (see 6.8.5, 6.8.12~6.8.19).

--- Modified "electromagnetic compatibility" (see 6.9,

1 Scope

GB/T 13705-2019 is the Chinese national standard on general requirements for shipboard radio communication installations, 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 4 June 2019 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 January 2020. Classification: ICS 47.020.70, CCS U66. 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, accompanying documents, and packages for marine radio communication equipment (hereinafter referred to as equipment). Loading, transportation, storage and spare parts and accessories. This standard applies to radio communication equipment used on ships.

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 191 packaging storage and transportation icon

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

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

GB/T 2423.3 Environmental testing of electric and electronic products - Part 2. Test method test Cab. constant damp heat test

GB/T 2423.4-2008 Environmental testing of electrical and electronic products - Part 2. Test methods Test Db alternating heat (12h 12h cycle)

GB/T 2423.5 Environmental testing of electric and electronic products - Part 2. Test methods Test Ea and guide. Impact

GB/T 2423.6 Environmental testing for electric and electronic products - Part 2. Test methods Test Eb and guide. Collision

GB/T 2423.10 Environmental testing of electric and electronic products - Part 2. Test method test Fc. Vibration (sinusoidal)

GB/T 2423.16-2008 Environmental testing for electric and electronic products - Part 2. Test methods Test J and guide.

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

GB/T 2423.24-2013 Environmental testing - Part 2. Test method test Sa. Simulating solar radiation on the ground and its test Inspection guide

GB/T 2423.37-2006 Environmental testing for electric and electronic products - Part 2. Test methods Test L. Dust test

GB/T 2423.41 Environmental testing - Part 2. Test methods