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

GB/T 39088-2020

Ships and marine technology - Sound reception systems

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

The translation method used in this standard is equivalent to ISO 14859.2012 "Sound receiving system for ships and marine technology".

The Chinese documents that have a consistent correspondence with the international documents cited in this standard are as follows.

---GB/T 6882-2016 Acoustic sound pressure method to determine the sound power level and sound energy level of noise sources anechoic chamber and semi-anechoic chamber precision

Law (ISO 3745.2012, IDT);

---GB/T 17247.1-2000 Acoustics Outdoor sound propagation attenuation Part 1.Calculation of atmospheric sound absorption (eqv

ISO 9613-1.1993);

---GB/T 15868-1995 Global Maritime Distress and Safety System (GMDSS) Marine radio equipment and maritime navigation equipment

General requirements test methods and required test results (idtIEC 60945.1994);

---GB/T 31843.450-2019 Maritime Navigation and Radio Communication Equipment and System Digital Interface Part 450.Multiple Issues

Telephone and multi-receiver Ethernet connection (IEC 61162-450.2018, IDT).

This standard has made the following editorial changes.

--- Modify the color of the reference microphone in Figure B.1, from black to red.

This standard was proposed and managed by the National Marine Electrical and Electronic Equipment Standardization Technical Committee (SAC/TC531).

This standard was drafted. China Shipbuilding Industry Comprehensive Technology and Economic Research Institute.

1 Scope

This standard specifies the functional requirements, recommended installation and performance tests of the sound receiving system, and provides methods and solutions to meet the functional requirements.

Guide to the solution.

These requirements apply to fully enclosed bridge buildings and other bridge buildings that voluntarily install such equipment.

This standard specifies the requirements for ensuring safe and effective observation of bridges on seagoing vessels with fully enclosed bridges.

This standard applies to the design of ship bridges. It also applies to.

- a) Ship and bridge equipment ordering and purchasing personnel;
- b) Operators and shipowners ensure that the changes made during the life of the ship still meet their requirements.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article

Pieces. For undated references, the latest version (including all amendments) applies to this document.

ISO 3745 Acoustic sound pressure method for the determination of sound power level and sound energy level of noise sources. Precision method for anechoic and semi-anechoic rooms

ISO 9613-1 Acoustics Outdoor sound propagation attenuation Part 1. Calculation of atmospheric sound absorption

IEC 60945.2002 Marine navigation and radio communication equipment and systems General requirements Test methods and required test results

IEC 61162-1 Maritime navigation and radiocommunication equipment and system digital

interface Part 1.Single speaker and multiple receivers

IEC 61162-450 Maritime Navigation and Radio Communication Equipment and System
Digital Interface Part 450.Multiple Talkers and Multiple Receivers

Ethernet connection

IEC 62288 Maritime navigation and radio communication equipment and systems for the
general display of navigation information on marine navigation displays

Requirements, test methods and required test results

IMO International Regulations for Preventing Collisions at Sea, COLREG72 Sound Signal
Equipment

IMO.A.468(XII) Resolution on ship noise level specifications

IMO.A.694(17) resolution GMDSS part and general requirements for shipboard radio
equipment of electronic navigation equipment