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

GB/T 45984-2025

**Ships and marine technology - Systems for the detection of
persons while going overboard from ships (man overboard
detection)**

船舶和海上技术 船舶落水人员探测系统（人员落水探测）

(English Translation)

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document is equivalent to ISO 21195:2020 "Ships and marine technology - Ship's man overboard detection systems (Man overboard detection)".

Introduction

The lack of standardized requirements for Man Overboard (MOB) detection systems makes it difficult for end users to objectively evaluate the safety and this document addresses these issues by clearly defining the technical specifications for equipment, enabling manufacturers to develop systems based on uniform requirements.

system and help end users evaluate the safety, effectiveness, performance and reliability of MOB detection systems.

This document provides a method to verify whether the ship's man overboard detection system can be used within the specified environmental window (Table 1) using 5.24 described in the test dummy size, to achieve the required performance operation.

If the system is operated outside the specified range or the test dummy does not conform to the valid human model size, the system performance may be degraded.

Degree of reduction.

Ships and marine technology - Man overboard detection systems (Man overboard detection)

1 Scope

This document specifies the technical requirements for the Man Overboard Detection System (hereinafter referred to as the MOB Detection System).

This document does not apply to Man Overboard (MOB) detection systems that require passengers or crew to wear or carry devices that trigger a MOB event.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to this document.

IEC 60945:2002 Maritime navigation and radiocommunication equipment and systems - General requirements, test methods and required test results IEC 62288 Maritime navigation and radiocommunication equipment and systems - Display of navigation-related information on shipborne navigation displays - General IEC 62923 (all parts) Maritime navigation and radiocommunication equipment and systems Bridge alarm management BoardShips)

3 Terms and Definitions

The following terms and definitions apply to this document.

accessible open area accessible open area an open area facing outboard, accessible to passengers or crew, where a fall would result in the person falling overboard into the water.

activestate

The MOB detection system is on.