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

GB/T 8242-2025

Replacing GB/T 8242.1-1987

Hull equipment - Terminology

船体设备 术语

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1. Structure and Drafting Rules of Standardization Documents". Drafting. This document supersedes GB/T 8242.1-1987 "Terminology for Ship Equipment - Marine Equipment" and GB/T 8242.2-1987 "Terminology for Ship Equipment". "Mooring Equipment", GB/T 8242.3-1987 "Terminology for Ship Equipment - Deck Attachments", GB/T 8242.4-1987 "Terminology for Ship Equipment" Compared with GB/T 8242.1~8242.4-1987, the main technical changes in "Lifesaving Equipment" are as follows, except for structural adjustments and editorial modifications.

---Added terms and definitions for marine equipment, steering gear, mast equipment, lifting equipment, and energy-saving devices (see 3.1.1~3.1.5);

---Added steering gear, main steering gear, auxiliary steering gear, emergency steering gear, electric steering gear, and electro-hydraulic steering gear. Terms and definitions for steering gear and manual steering devices (see 3.2.1.1~3.2.1.7);

---The terminology and definition for rudder knob have been removed (see section 1.21 of GB/T 8242.1-1987);

---Added center rudder, lateral rudder, bow rudder, fully suspended rudder, semi-suspended rudder, unbalanced rudder, horizontal rudder, vertical rudder, twisted rudder, parallel rudder, and multi-leaf rudder. Rudder, double-bearing rudder, multi-bearing rudder, reverse rudder, emergency rudder, Schilling rudder, rudder angle indicator, rudder ball, rudder post, rudder plate, upper rudder bearing, lower rudder Components include. rudder handle connecting rod, rudder handle, rudder stock sleeve, rudder arm, rudder frame, rudder blade tailstock, flow control plate, rudder head, rudder stock joint, and anti-slip device. Terminology and definitions for steering column, steering chain, steering cable, steering rod, steering chain guide wheel, steering shaft, and rudder angle limiter (see 3.2.2.2~) 3.2.2.4, 3.2.2.7, 3.2.2.8, 3.2.2.10~3.2.2.12, 3.2.2.14~3.2.2.21, 3.2.2.31, 3.2.2.32,

3.2.3.3, 3.2.3.4 3.2.3.11, 3.2.3.12, 3.2.3.14~3.2.3.17, 3.2.3.20~3.2.3.25, 3.2.3.27~3.2.3.32, 3.2.3.33);

---The terms and definitions for lookout towers and radar platforms have been removed (see sections

2.11 of GB/T 8242.1-1987);

---Added foremast, mainmast, radar mast, signal mast, lookout mast, sling mast, retractable mast, ventilated mast, runaway light mast, and integrated mast. Terms and definitions (see 3.3.1.2-3.3.1.6, 3.3.1.8, 3.3.1.12, 3.3.1.13, 3.3.1.14, 3.3.1.15);

---Added terms and definitions related to sails, including sail propulsion devices, integral airfoils, composite airfoils, and airfoil sails (see 3.3.3.1~). 3.3.3.4);

---The terminology and definition for jack rigging have been removed (see section

3.24 of GB/T 8242.1-1987);

---Added cranes, knuckle boom cranes, telescopic boom cranes, gantry cranes, A-type gantry cranes, overhead cranes, light-duty lifting devices, hook beams, and lifting equipment. Terms and definitions for boom lifting, hook clearance, boom safe working load, scissor hook, double boom operating hook, lifting beam, rigging eye plate, and rigging. Meaning (see 3.4.1.1~3.4.1.6, 3.4.1.9, 3.4.2.2~3.4.2.5, 3.4.2.13~3.4.2.15, 3.4.2.28, 3.4.2.31);

1 Scope

GB/T 8242-2025 is the Chinese national standard covering the vocabulary of hull outfitting - the anchoring and mooring gear, the hatch covers and doors, the rudders and steering, the masts and rigging, the ladders and railings, and the fittings that turn a hull into a ship. At 35,000 words it replaces GB/T 8242.1-1987, a standard thirty-eight years old. It was issued on 31 December 2025 and has been in force since 1 July 2026, replacing GB/T 8242.1-1987. The document is under the responsibility of the Standardization Administration of China. This page is published from the official record of the 2025 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document specifies the general terms and definitions for marine equipment, mooring equipment, deck equipment, lifesaving equipment, and lashing equipment. This document applies to the design, research, production, inspection, use, management, and teaching of ship hull equipment.

2 Normative references

This document has no normative references.

3.1 General Terminology

3.1.1 marine device marinegear A general term for equipment, devices, or systems installed on ships to achieve various functions such as safe navigation and cargo loading and unloading.

Note. This mainly includes rudder equipment, mast equipment, lifting equipment, towing equipment, energy-saving devices, sail equipment, etc.

3.1.2 rudder equipment Control equipment that maintains the course stability and turning ability of a ship during normal navigation.

3.1.3 mast equipment The general term for all masts, rigging, sails and their accessories on a ship.

3.1.4 lifting equipment The general term for the equipment used on a ship for loading and unloading cargo.

3.1.5 energy-saving device Devices that reduce energy consumption or power consumption of ships during navigation.

3.2.1 Rudder assembly

3.2.1.1 steeringgear A device that can ensure the rudder is rotated to the required angle within a certain period of time.

3.2.1.2 mainsteeringgearmainsteeringgear The machinery necessary for maneuvering the ship under normal navigation conditions, including the steering mechanism, steering gear power unit (if applicable), and...