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

GB/T 13412-2025

Replacing GB/T 13412-1992

Specification of rowing, kayak, canoe and their accessories

赛艇、皮艇、划艇及其附件技术条件

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Table of Contents

- 1 Scope
- 2 Normative references
- 3 Terms and Definitions

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 13412-1992 "Technical Conditions for Rowing Boats, Kayaks, Canoeing Boats and Their Accessories" and is consistent with GB/T 13412-1992. Compared to previous versions, aside from structural adjustments and editorial changes, the main technical changes are as follows:

- a) Added terms and definitions such as "accessories" and "paddle rack" (see 3.4, 3.11–3.17);
- b) Increased appearance requirements for racing boats, kayaks, and canoeing boats (see 5.1);
- c) The classifications of rowing, kayaking, and canoeing have been revised, and requirements have been proposed for each classification (see Chapters 4 and 5, 1992 edition, page 3). Chapter 4);
- d) Increased the deflection requirements and testing for airfoil rotor arms (see 5.2.7 and 6.2.9.2);
- e) The longitudinal center of gravity determination test for the boat was changed to a still water level test (see 6.2.2, 5.2.2 in the 1992 edition);
- f) Added tests for boat torsion, main rib opening distance, and oar hang distance (see 6.2.5 and 6.2.6). Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed and is under the jurisdiction of the National Technical Committee on Standardization of Marine Ships (SAC/TC12). This document was drafted by: China State Shipbuilding Corporation Limited Comprehensive Technology and Economic Research Institute, and the Water Sports Management Center of the State General

Administration of Sport. Chinese Rowing Association, Chinese Canoe and Kayak Association, 11th Research Institute of China Shipbuilding Industry Corporation, Hangzhou Qiandao Lake Peisheng Boat Co., Ltd. Hangzhou Flying Eagle Boat Co., Ltd., Hangzhou Fuyang Ark Boat Co., Ltd., and Hangzhou Kanghua Boat Co., Ltd. The main drafters of this document are. Zhu Jiashuai, Zhang Yin, Zhu Zhina, Nie Junliang, Xu Jusheng, Xie Jinbo, Zhu Peiwen, Xiong Fei, Fang Zhicheng, and Shao Junping. Dong Liang. This document was first published in 1992, and this is its first revision. Technical specifications for rowing boats, kayaks, canoeing boats and their accessories

1 Scope

GB/T 13412-2025 is the Chinese national standard on specification of rowing, kayak, canoe and their accessories, 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 5 October 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 May 2026. Classification: ICS 47.080, CCS U18. 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 document specifies the classification, requirements, test methods, inspection rules, marking, packaging, and transportation of rowing boats, kayaks, canoes, and their accessories. Storage. This document applies to rowing boats, kayaks, canoes, and their accessories used for training and competition.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document. Canoe Polo Competition Rules (2023 Edition) - International Canoe Federation

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 rowing The boat is shaped like a shuttle used for weaving, with movable seats inside. The oars are placed on oarlocks in oarlock racks that extend to the sides of the boat, and

the oarsmen are seated. Drive by paddling with the paddle plug as the axis, facing away from the direction of travel.

3.2 kayak The boat has a streamlined shape and a narrow hull. The forward cabin is equipped with footrests and a rudder, the midships have seats, and the aft cabin has a rudder. Oarsmen... The boat is driven by sitting facing forward and using a paddle with blades at both ends to alternately paddle left and right.

3.3 canoe The boat has a streamlined hull and an interior floor for the rowers to move around on. The floor is equipped with kneeling pads and footrests, allowing the rowers to kneel on one leg. It is used to propel a boat by paddling with a blade at one end.

3.4 Attachments Facilities and equipment used in conjunction with the vessel, excluding the vessel's hull structure.

Note. Accessories used with racing boats include oars, oarlocks, oar bolts, slide rails, and slide seats; accessories used with kayaks include oars, seats, footrests, and steering wheels. Rudder, rudder post, rudder line; accessories used with rowing boats include oars, floorboards, kneeling pads, and footrests.

3.5 Length of boat The distance from the leading edge of the bow (excluding the safety ball) to the trailing edge of the stern.

3.6 boat width The maximum width between the outer surfaces of the two sides of the hull, excluding the wave deflectors.