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

GB 41731-2022

Marine inflatable lifejacket

船用气胀式救生衣

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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. Organization and Drafting Rules for Standardization Documents" drafted. Please note that some content of this document may be patented. The issuing agency of this document assumes no responsibility for identifying patents. This document is proposed and managed by the Ministry of Transport of the People's Republic of China. Marine inflatable life jacket

1 Scope

GB 41731-2022 is the Chinese national standard on marine inflatable lifejacket, in the field of shipbuilding and marine structures. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 13 July 2022 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 February 2023. Classification: ICS 47.020.50, CCS U27. 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 technical requirements, test methods, inspection rules, as well as marking, packaging, transportation and storage of marine inflatable life jackets. This document applies to the design, manufacture and acceptance of marine inflatable lifejackets for adults and children for ships and offshore installations.

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, dated citations documents, only the

version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document.

GB/T 3512-2014 Vulcanized rubber or thermoplastic rubber hot air accelerated aging and heat resistance test

GB/T 3920-2008 Textile color fastness test color fastness to rubbing

GB/T 5714-2019 Textiles Color Fastness Test Color Fastness to Seawater

GB/T 8427-2019 Color fastness test of textiles Color fastness to artificial light. Xenon arc

GB/T 10125-2021 Artificial Atmosphere Corrosion Test Salt Spray Test

GB/T 12586-2003 Determination of flexural damage resistance of rubber or plastic coated fabrics

GB/T 32234.7-2015 Personal Buoyancy Equipment Part

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 net height freeboard The vertical distance between the horizontal plane and the position where the subject will not be able to breathe without closing his mouth (see Figure 1).

7 Safety Requirements and Test Methods for Materials and Components

GB/T 32234.8-2015 Personal buoyancy equipment - Part

8 Safety requirements and test methods for accessories

HG/T 2580-2008 Determination of tensile strength and elongation at break of rubber or plastic coated fabrics

HG/T 2581.1-2009 Determination of tear resistance of rubber or plastic coated fabrics - Part