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

GB/T 32234.9-2023

Personal flotation devices - Part 9: Evaluation

个人浮力设备 第9部分：试验方法

(English Translation)

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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 is Part 9 of GB/T 32234 "Personal Buoyancy Equipment": GB/T 32234 has released the following parts:

---Part 1: Safety requirements for life jackets used on ocean-going ships;

---Part 2: Life jacket performance level 275 safety requirements;

---Part 7: Safety requirements and test methods for materials and components;

---Part 8: Accessory safety requirements and test methods;

---Part 9: Test methods:

This document is equivalent to ISO 12402-9:2020 "Personal Buoyancy Devices Part 9: Test Methods":

Please note that some content in this document may be subject to patents: The publisher of this document assumes no responsibility for identifying patents:

Introduction

With the development of all aspects of my country's economy and society, various types of water leisure and work activities have become very frequent and common: due to various waters the environment and the surrounding environment are very different, and the risk of their activities is also very different, so the requirements for safety facilities are also very different: Current country There is no unified standard for this in China, and there is a lot of arbitrariness: Various types of life-saving equipment are also uneven, and there is an urgent need for unified standards:

Implement regulations and guidance to better protect the safety of life and property of the broad masses of the people: Therefore, in accordance with advanced international conventions and norms, it is very necessary and urgent to finalize this document: GB/T 32234 aims to establish the safety requirements and test methods for personal buoyancy equipment: It is planned to be composed of 10 Partial composition:

---Part 1: Safety requirements for life jackets used on ocean-going vessels: The purpose is to establish general safety requirements for life jackets used on ocean-going vessels:

---Part 2: Life jacket performance level 275 safety requirements: The purpose is to establish the specific safety of life jacket performance level 275 Require:

---Part 3: Safety requirements for life jacket performance level 150: The purpose is to establish the specific safety of life jacket performance level 150 Require:

---Part 4: Life jacket performance level 100 safety requirements: The purpose is to establish the dedicated safety of life jacket performance level 100 Require:

---Part 5: Buoyancy Appliances (Level 50) Safety Requirements: The purpose is to establish the specific safety of buoyancy aids (level 50) Require:

---Part 6: Safety requirements and additional test methods for special-purpose lifejackets and buoyancy devices: purpose is to establish a special purpose Safety requirements and additional test methods for lifejackets and buoyancy aids:

---Part 7: Safety requirements and test methods for materials and components: The

purpose is to establish safety requirements for life jacket materials and components and test methods:

---Part 8: Accessory safety requirements and test methods: The purpose is to establish safety requirements and test methods for life jacket accessories:

---Part 9: Test methods: The purpose is to establish the test method for life jackets used on ocean-going ships:

---Part 10: Selection of personal buoyancy devices and other related equipment: The purpose is to establish that personal buoyancy devices and other related equipment Alternative usage requirements and recommendations:

Personal buoyancy devices Part 9: Test methods

1 Scope

This document specifies personal buoyancy that meets the requirements of GB/T 32234.2-2023, ISO 12402-3:2020~ISO 12402-6:2020 Equipment test methods:

This document applies to the testing of the above personal buoyancy devices:

The classification of PFD in the ISO 12402:2020 series is shown in Appendix A:

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text: Among them, the dated quotations for undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to this document:

GB/T 18942.1-2003 Determination of compressive stress and strain characteristics of polymeric poroelastic materials Part 1: Low density materials (ISO 3386-1:1986, IDT) GB/T 32234.2-2023 Personal buoyancy equipment Part 2: Life jacket performance level 275 safety requirements (ISO 12402-2: 2020, IDT)

GB/T 34423-2017 Safety requirements and test methods for small boat deck safety rigging and safety ropes (ISO 12401:2009, IDT) Note: GB/T 6529-2008 Standard atmosphere for humidity conditioning and testing of textiles (ISO 139:2005, MOD) ISO 2768-1:1989 General tolerances Part 1: Tolerances of linear and angular dimensions not otherwise noted (General tions) Note: GB/T 1804-2000 general tolerances do not specify tolerances for linear and angular dimensions (ISO 2768-1:1989, eqv) ISO 12402-2:2020 Personal buoyancy devices Part 2: Safety requirements for lifejackets performance level 275 (Personal ISO 12402-3:2020 Personal buoyancy devices Part 3: Safety requirements for

lifejackets performance level 150 (Personal ISO 12402-4:2020 Personal buoyancy devices
Part 4: Safety requirements for lifejackets performance level 100 (Personal ISO
12402-5:2020 Personal flotation equipment Part 5: Buoyancy devices (Class 50) Safety
requirements [Personal flotation ISO 12402-6:2020 Personal buoyancy equipment Part 6:
Safety requirements and additional tests for special purpose lifejackets and buoyancy aids
ISO 12402-7:2020 Personal buoyancy devices Part 7: Safety requirements and test
methods for materials and components (Personal flo-