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

GB/T 39098-2020

**Ships and marine technology -- Shipboard fire-fighters' outfits
(protective clothing, gloves, boots and helmet)**

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Table of Contents

1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Design requirements	3
5 Performance requirements and test methods	4
6 Additional requirements	21
7 Maintenance instructions	22
8 Mark	22
Appendix A (Normative Appendix) Reflective/Fluorescent Material Arrangement	23
Appendix B (Normative Appendix) Boot Design Style	24
Appendix C (Normative Appendix) Boot Evaluation	25
Appendix D (Normative Appendix) Fire Resistance Test of Face Screen	27
Appendix E (Normative Appendix) Face-screen Impact Resistance Method	28
Appendix F (Normative Appendix) Face-screen viewing angle range test	29
Appendix G (Normative Appendix) Mobile Test	30
Reference	31

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

The translation method used in this standard is equivalent to ISO 22488.2011 "Ship and Marine Technology Ship Firefighter Equipment (Protective Clothing, Gloves, Boots and helmet)".

The Chinese documents that have a consistent correspondence with the international documents cited in this standard are as follows.

---GB/T 3923.1-2013 Tensile properties of textile fabrics Part 1.Determination of breaking strength and elongation at break (Article

Sample method) (ISO 13934-1.1999, MOD)

---GB/T 4745-2012 Textile Waterproof Performance Testing and Evaluation Dip Method (ISO 4920.2012, MOD)

This standard has made the following editorial changes.

--- The average thermal radiation index in 5.2.3 and 5.2.4 increased by the unit "s".

This standard was proposed and managed by the National Marine Machinery Standardization Technical Committee (SAC/TC137).

Drafting organizations of this standard. China Shipbuilding Industry Comprehensive Technical and Economic Research Institute, Fujian Tianguang Fire Co., Ltd., Dongtai Jianghai Lifesaving

Quality of the National Ship Outfitting Equipment Co., Ltd., Nantong Haizhou Ship Equipment Co., Ltd., Dongtai Dongfang Ship Assembly Co., Ltd.

Supervision and Inspection Center, China Classification Society Jiangsu Branch, Revision Hebei Technology Co., Ltd.

1 Scope

This standard specifies the design requirements, performance requirements, and measurement requirements for protective clothing, gloves, boots and helmets used by ship firefighters when firefighting ships.

Test methods, maintenance and marking, etc.

The equipment specified in this standard is suitable for extinguishing small and medium-sized fires before the fixed fire extinguishing system is activated, and is not suitable for firefighters entering the fire scene

When wearing and using.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article

Pieces. For undated references, the latest version (including all amendments) applies to this document.

ISO 1421.1998 Determination of tensile strength and elongation at break of rubber or plastic coated fabrics (Rubber-orplastics-coated

fabrics-Determinationoftensilestrengthandelongationatbreak)

ISO 4674-1.2003 Determination of the tensile strength of rubber or plastic coated fabrics Part 1.Constant-rate tearing method (Rubber-or

plastics-coatedfabrics-Determinationoftearresistance-Part 1.Constantrateoftearmethods)

ISO 4920 Textiles-Determination of resistance determination of surface wetting (spray test) tosurfacewetting(spraytest)offabrics]

ISO 6487.2002 Road vehicles-Measurement techniques in impact tests-Instrumentation)

ISO 6330.2000 Textiles-Domestic washing and drying procedures (Textiles-Domestic washing and drying procedures for textile testing)

ISO 6942.2002 Test method for thermal insulation and flame retardant protective clothing for protective clothing. Thermal properties of materials and material combinations when affected by radiant heat sources

Can evaluate (Protective clothing-Protection against heat and fire-Method of test. Evaluation of materials

and material assemblies when exposed to a source of radiant heat)

ISO 9151 Thermal insulation and flame retardant protective clothing when exposed to flame-Determination of thermal conductivity (Protective clothing against heat and fire-Determination of heat transmission upon exposure to flame)

ISO 11612.2008 Test methods and performance requirements for thermal insulation and flame retardant protective clothing (Clothing for protection against heat and flame-Test methods and performance requirements for heat-protective clothing)

ISO 13934-1 Textile Fabric Tensile Properties Part 1.Determination of Maximum Tensile Strength and Elongation Using Strip Method (Textiles-Tensile properties of fabrics-Part 1.Determination of maximum force and elongation at maximum force using the strip method)

ISO 15025.2000 Flame retardant test method for the flame retardant performance of protective clothing to limit flame spread (Protective clothing-Protection against flame-Method of test for limited flame spread)

ISO 15383.2001 Fire Fighting Gloves Laboratory Test Methods and Performance Requirements (Protective gloves for firefighters-Laboratory test methods and performance requirements)

ISO 17493 Insulation clothing and equipment using hot air circulation furnace for thermal convection test test method (Clothing and equipment for protection against heat-Test method for convective heat resistance using a hot air