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Ships and marine technology — Life saving and fire protection — Sea anchors for survival craft and rescue boats

Navires et technologie maritime — Ancres flottantes pour embarcations de sauvetage et canots de secours

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Contents

Page

Foreword ..... **iv**
Introduction ..... **v**
1 Scope **1**
2 Normative references **1**
3 Terms and definitions **1**
4 Design and performance criteria **1**
4.1 General 1
4.2 Drag force 2
4.3 Towing line 2
4.4 Shroud line 2
4.5 Attachments 2
4.6 Stabilization 2
4.7 Deployment 2
4.8 Design 2
5 Prototype testing **3**
5.1 Material test 3
5.1.1 Strength test for fabric 3
5.1.2 Strength test for structural webbing 4
5.1.3 Corrosion test for metal attachments 5
5.2 Temperature cycling test 5
5.3 Deployment test 5
5.4 Towing test 6
5.5 Strength test 6
Bibliography **7**

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 1, *Maritime safety*.

This second edition cancels and replaces the first edition (ISO 17339:2002), which has been technically revised.

Any feedback or questions on this document should be directed to the user’s national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Introduction

A sea anchor is a vital component to a drifting waterborne craft in keeping the preferred angle to wind direction, enhancing stability and reducing drift speed. The International Life-Saving Appliance Code prescribes the carriage and use of sea anchors for survival craft and rescue boats, yet the revised recommendation on testing of lifesaving appliances does not provide requirements of performance and testing procedure for the sea anchors. This document addresses those areas in which the IMO recommendation is silent, in order to facilitate consistent implementation by maritime Administrations.

This document addresses the performance and testing of sea anchors for survival craft and rescue boats and it is intended for use as a companion to the IMO Revised recommendation on testing of life-saving appliances and also to encompass all other relevant life-saving appliances covered by this document and not necessarily regulated by IMO instruments.

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Ships and marine technology — Life saving and fire protection — Sea anchors for survival craft and rescue boats

1 Scope

This document specifies requirements for the design, performance and prototype testing of sea anchors fitted to survival craft (lifeboats and liferafts) and rescue boats in accordance with the IMO International Life-Saving Appliance Code.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 9227:2012, *Corrosion tests in artificial atmospheres — Salt spray tests*

ISO 4892-2:2013, *Plastics — Methods of exposure to laboratory light sources — Part 2: Xenon-arc lamps*

ASTM D 471-06, *Standard Test Method for Rubber Property-Effect of Liquids*

EN 590, *Automotive fuels - Diesel - Requirements and test methods*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— IEC Electropedia: available at http://www.electropedia.org/

— ISO Online browsing platform: available at https://www.iso.org/obp

3.1
sea anchor
device to stabilize the motion and to reduce wind-driven drift of a waterborne craft such as a survival craft or rescue boat

4 Design and performance criteria

4.1 General

A sea anchor shall

1) be constructed with proper workmanship and materials;

2) not be damaged in stowage throughout the air temperature range −30 °C to +65 °C;

3) be capable of operating throughout the seawater temperature range −1 °C to +30 °C;

4) be rot-proof, corrosion-resistant, and not be unduly affected by seawater, oil or fungal attack;

5) be resistant to sunlight deterioration;

6) be capable of satisfactory operation in a seaway.

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