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Ships and marine technology — Servicing of inflatable life-saving appliances —

Part 4: Marine evacuation systems

Navires et technologie maritime — Entretien des dispositifs de sauvetage gonflables —

Partie 4: Systèmes d'évacuation en mer gonflables

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

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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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, 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*.

A list of all parts in the ISO 18079 series can be found on the ISO website.

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Introduction

The IMO International Convention on the Safety of Life at Sea of 1974 (SOLAS 74) Chapter III Regulation 20.8 sets requirements for the annual servicing and inspection of inflatable life rafts, inflatable lifejackets, marine evacuation systems, and maintenance and repair of inflated rescue boats on ships. This regulation refers to the IMO Recommendation on the conditions for the approval of servicing stations for inflatable life rafts Assembly resolution A.761(18).

However, this resolution only provides specific standards for the servicing, maintenance and repair of inflatable life rafts and remains silent for other types of inflatable or inflated life-saving appliances mentioned by SOLAS Chapter III Regulation 20.8 and consequently, the application of this statutory requirement could vary widely in practice.

The ISO 18079 series addresses those areas in which the IMO recommendation is silent, in order to facilitate consistent implementation by maritime Administrations. It is intended for use as a companion to the IMO recommendation and also to encompass all other relevant life-saving appliances covered by the ISO 18079 series and not necessarily regulated by IMO instruments.

The IMO Recommendation on the conditions for the approval of servicing stations for inflatable life rafts Assembly resolution A.761(18) specifies obligations and responsibilities for Administrations, manufacturers and ship owners. While the ISO 18079 series covers the requirements of this resolution, it has been rearranged and reformulated in order to enable a single entity, i.e. a servicing station, to attain certification in accordance with the ISO 18079 series. This does not mean that the specified obligations and responsibilities are lifted, delegated or otherwise transferred by authority from those parties to the single entity being certified.

This document addresses the servicing of marine evacuation systems and it is intended for use as a companion to the IMO recommendation.

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Ships and marine technology — Servicing of inflatable life-saving appliances —

Part 4: Marine evacuation systems

1 Scope

This document, in conjunction with ISO 18079-1, provides provisions for servicing stations for marine evacuation systems referred to in SOLAS III (20.8). This document is applicable to non-SOLAS marine evacuation systems, as appropriate.

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 18079-1, *Ships and marine technology — Servicing of life-saving appliances — Part 1: General*

ISO 18079-2, *Ships and marine technology — Servicing of life-saving appliances — Part 2: Inflatable liferafts*

International Convention for the Safety of Life at Sea (SOLAS), 1974

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 http://www.iso.org/obp

3.1
marine evacuation system
MES
appliance for the rapid transfer of persons from the embarkation deck of a ship to a floating platform or survival craft by means of a *passage* (3.2)

3.2
passage
integral component of a *MES* (3.1) to provide a safe descent of persons from the embarkation station to the floating platform or survival craft

Note 1 to entry: The passage can be an inflatable or rigid slide, a *vertical passage* (3.4) or any other arrangement providing the same function.

3.3
inclined passage
horizontally-angled inflatable or rigid component which provide access for persons to a *floating platform* (3.5) or directly into survival crafts

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3.4
vertical passage
vertically-angled *passage* (3.2) providing access for persons to a *floating platform* (3.5) or directly into survival crafts

3.5
floating platform
inflatable component which may be fitted to the bottom of the *passage* (3.2) to hold evacuees awaiting entry to survival craft

3.6
associated survival crafts
survival craft designed to be served by the *marine evacuation system* (3.1)

3.7
stowage container
container that stows the *MES* (3.1) or part of the MES

4 Servicing of marine evacuation systems

4.1 General

The following tests and procedures shall be carried out, except where noted otherwise, at every servicing of a marine evacuation system fitted as life-saving equipment. Servicing of marine evacuation systems shall be carried out in accordance with the appropriate manufacturer's servicing manual. Necessary procedures shall include, but not be limited to, the following.

4.2 Container/stowage arrangement

The container/stowage arrangement shall be visually inspected before performing the tests required according to 4.3 to 4.5.

This visual inspection shall, as a minimum, include the following in accordance with the instructions of the manufacturers servicing manual.

4.2.1 Inspection of lowering winch (if fitted).

4.2.2 Inspection of the container/stowage arrangement for damage.

4.2.3 Inspection of the interior of the container/stowage arrangement for signs of dampness and corrosion.

4.2.4 Inspection of hydraulic systems, gas cylinders, high pressure hoses, reduction valves, release wires, locking systems for doors, seals for doors and transport safety devices, as appropriate.

4.2.5 Inspection of the required marking on the container/stowage arrangement.

4.3 Bowsing arrangements

The components of the bowsing system, where fitted, shall be inspected in accordance with the manufacturer’s instructions. This shall include inspection of all lines, sheaves and winches.

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