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**Ships and marine technology —  
Servicing of immersion suits, anti-  
exposure suits and constant wear suits**

*Navires et technologie maritime — Entretien des combinaisons  
d'immersion, des vêtements de survie et des combinaisons de port  
permanent*



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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](http://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](http://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 of 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 [www.iso.org/iso/foreword.html](http://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*.

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](http://www.iso.org/members.html).

## Introduction

The IMO International Convention on the Safety of Life at Sea of 1974 (SOLAS 74) sets requirements for the monthly inspection and periodic inspection of life-saving appliances, including immersion suits, anti-exposure suits and constant wear suits. The IMO has circulated guidelines which are not sufficiently detailed as to provide uniform application by crews on board ships and for authorisation of servicing stations.

This document addresses the servicing of immersion suits, anti-exposure suits and constant wear suits. It is intended for use as a companion to the IMO recommendations. It is also intended to encompass all other relevant personal protective suits not covered by SOLAS regulations.



# Ships and marine technology — Servicing of immersion suits, anti-exposure suits and constant wear suits

## 1 Scope

This document, in conjunction with ISO 18079-1, specifies provisions for servicing stations conducting servicing of immersion suits, anti-exposure suits and constant wear suits, including, but not limited to, those subject to IMO regulations, recommendations and guidelines.

## 2 Normative references

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

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

ISO 18079-3, *Ships and marine technology — Servicing of inflatable life-saving appliances — Part 3: Inflatable lifejackets*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 18079-1 and the following apply.

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

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

### 3.1

#### **immersion suit**

protective suit including head, hand and feet protection which reduces the body heat loss of a person wearing it in cold water

### 3.2

#### **anti-exposure suit**

protective suit designed for use by rescue boat crews and marine evacuation system parties, with head and hand protection, but the feet need not be covered, and a minimum buoyancy of 70 N

### 3.3

#### **constant wear suit**

protective suit designed to be routinely worn for activities on or near water in anticipation of accidental immersion in water, but permitting physical activity to such an extent that actions can be undertaken without undue encumbrance and thus, head, hands and feet need not be covered

### 3.4

#### **dry suit**

protective suit designed to protect the user against the effect of cold water immersion by precluding the entry of water upon immersion

### 3.5

#### **wet suit**

protective suit designed to protect the user against the effect of cold water immersion by providing insulation and permitting the entry and exit of water upon immersion