



Institut luxembourgeois de la normalisation
de l'accréditation, de la sécurité et qualité
des produits et services

ILNAS-EN ISO 12402-10:2020

Personal flotation devices - Part 10: Selection and application of personal flotation devices and other relevant devices (ISO 12402-10:2020)

Équipements individuels de flottabilité -
Partie 10: Sélection et application des
équipements individuels de flottabilité et
d'autres équipements pertinents (ISO

Persönliche Auftriebsmittel - Teil 10:
Auswahl und Anwendung von
persönlichen Auftriebsmitteln und
anderen entsprechenden Geräten (ISO

10/2020



National Foreword

This European Standard EN ISO 12402-10:2020 was adopted as Luxembourgish Standard ILNAS-EN ISO 12402-10:2020.

Every interested party, which is member of an organization based in Luxembourg, can participate for FREE in the development of Luxembourgish (ILNAS), European (CEN, CENELEC) and International (ISO, IEC) standards:

- Participate in the design of standards
- Foresee future developments
- Participate in technical committee meetings

<https://portail-qualite.public.lu/fr/normes-normalisation/participer-normalisation.html>

THIS PUBLICATION IS COPYRIGHT PROTECTED

Nothing from this publication may be reproduced or utilized in any form or by any mean - electronic, mechanical, photocopying or any other data carries without prior permission!

ILNAS-EN ISO 12402-10:2020

EUROPEAN STANDARD **EN ISO 12402-10**

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2020

ICS 13.340.70

Supersedes EN ISO 12402-10:2006

English Version

Personal flotation devices - Part 10: Selection and application of personal flotation devices and other relevant devices (ISO 12402-10:2020)

Équipements individuels de flottabilité - Partie 10:
Sélection et application des équipements individuels
de flottabilité et d'autres équipements pertinents (ISO
12402-10:2020)

Persönliche Auftriebsmittel - Teil 10: Auswahl und
Anwendung von persönlichen Auftriebsmitteln und
anderen entsprechenden Geräten (ISO 12402-
10:2020)

This European Standard was approved by CEN on 10 June 2019.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents	Page
European foreword.....	3

European foreword

This document (EN ISO 12402-10:2020) has been prepared by Technical Committee ISO/TC 188 "Small craft" in collaboration with Technical Committee CEN/TC 162 "Protective clothing including hand and arm protection and lifejackets" the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2021, and conflicting national standards shall be withdrawn at the latest by April 2021.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 12402-10:2006.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 12402-10:2020 has been approved by CEN as EN ISO 12402-10:2020 without any modification.

Personal flotation devices —

Part 10:

Selection and application of personal flotation devices and other relevant devices

Équipements individuels de flottabilité —

*Partie 10: Sélection et application des équipements individuels de
flottabilité et d'autres équipements pertinents*



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2020

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

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

Published in Switzerland

Contents

Page

Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Classification; risks and recommended areas of application	3
4.1 General	3
4.2 Performance criteria	5
4.3 Interaction with other devices or equipment	5
4.4 Performance levels	6
4.4.1 Level 50	6
4.4.2 Level 100	6
4.4.3 Level 150	6
4.4.4 Level 275	6
4.5 Selection and use	7
5 Essentials that should be observed	8
5.1 Personal flotation devices (PFDs)	8
5.1.1 General	8
5.1.2 Risk assessment	8
5.1.3 Interaction with clothing	9
5.2 Accessories	10
5.2.1 General	10
5.2.2 Location aids	10
5.2.3 Improved design	10
5.2.4 Harnesses	10
5.2.5 Sprayhood	10
5.3 Immersion suits	11
5.3.1 General	11
5.3.2 Rationale	12
6 Guidance for risk management	14
6.1 General	14
6.2 Description of operation and environment	14
6.3 Identification of risk areas and establishment of safety levels	14
6.4 Guidance for the identification of risk managing measures	14
6.4.1 General	14
6.4.2 Measures to reduce risk	14
6.4.3 Measures to reduce consequences	14
6.4.4 Safety level management	15
6.5 Guidance for the selection of a risk management	15
6.5.1 General	15
6.5.2 Training	15
6.5.3 Personal protective equipment	15
6.5.4 Rescue services	15
6.6 Guidance for the selection of personal protective equipment	15
6.7 Checklist	16
6.7.1 Typical exposure hazards	16
6.7.2 Constant use comfort and ergonomics	16
6.7.3 Basic in-water safety functions	17
6.7.4 Search-and-rescue functions	17
6.7.5 Additional hazards by emergency donning	17
6.7.6 Factors that reduce performance	17
6.8 Example: evaluation of PPE for offshore workers, based on risk assessment	17