
Personal flotation devices —

Part 5:

**Buoyancy aids (level 50) —
Safety requirements**

AMENDMENT 1

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Équipements individuels de flottabilité —
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Partie 5: Aides à la flottabilité (niveau 50) — Exigences de sécurité

ISO 12402-5:2006/Amd 1:2010

AMENDEMENT 1

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Foreword

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

Amendment 1 to ISO 12402-5:2006 was prepared by Technical Committee ISO/TC 188, *Small craft*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 162, *Protective clothing including hand and arm protection and lifejackets*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

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Part 5: Buoyancy aids (level 50) — Safety requirements

AMENDMENT 1

Page 1, Clause 2

Replace “ISO 12402-7:—¹” with “ISO 12402-7:2006” and delete footnote 1) at the bottom of the page.

Page 4, 5.1

In the first paragraph, delete the second sentence:

“The temperature cycling test and the rotating shock bin test shall be considered as reliability against wear and tear and shall be conducted prior to the appropriate physical properties test.”

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Replace the second paragraph with the following:

“Materials and components used for buoyancy aid shall comply with ISO 12402-7 with the exception of ISO 12402-7:2006, 4.1.6.4.”

In the third paragraph, replace the first and second sentences with the following:

“An inflatable buoyancy aid complying with this part of ISO 12402 shall have automatic or manual inflation that allows for full compliance with all performance requirements of this part of ISO 12402. Additionally, each chamber of the inflatable buoyancy aid shall have oral inflation.”

In the third paragraph, last sentence, replace “ISO 12402-7:—³” with “ISO 12402-7:2006” and delete footnote 3) at the bottom of the page.

Page 5, Table 1

In the fifth row (retroreflective material), replace “M” with “O”.

Page 6, 5.3.2.2

Add the following sentence at the end of 5.3.2.2:

“The time from immersion until initiation of inflation in automatic mode shall not exceed 5 s.”

Page 6, 5.3.3

Replace subclauses 5.3.3.1 and 5.3.3.2 with the following:

“5.3.3.1 Any inherently buoyant material used to provide buoyancy shall be capable of withstanding compression and movement in normal wear without sustaining permanent loss of buoyancy.”

“5.3.3.2 Any inherently buoyant material shall prove to have properties in accordance with ISO 12402-7:2006, 4.8.”

Delete footnote 4) from the bottom of the page.

Page 6, Table 2

Replace Table 2 with the following:

“Table 2 — Minimum buoyancy

Parameter	User				
	Child	Adult			
User's mass, <i>m</i> (kg)	25 < <i>m</i> ≤ 40	40 < <i>m</i> ≤ 50	50 < <i>m</i> ≤ 60	60 < <i>m</i> ≤ 70	70 < <i>m</i>
Minimum buoyancy (N)	35	40	40	45	50

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Page 7, 5.4.2

Replace the first paragraph with the following: [ISO 12402-5:2006/Amd 1:2010](https://standards.iteh.ai/catalog/standards/sist/5cd821be-ce96-4de1-ba76-7ab6b422362?iso=12402-5-2006-amd-1-2010)

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“If required for water-rescue, there shall be affixed to the surface of the buoyancy aid at least 100 cm² area of material which is retroreflective of light and conforms to the specification in IMO Resolution A.658(16), Annex 2.”

Page 7, 5.5

Add the following at the end of 5.5:

“The load shall be maintained for 5 min, if not specified otherwise.”

Page 8, 5.6.2.3

In the third sentence, replace “lifejacket” with “buoyancy aid”.

Page 10, 6.2

In the third paragraph (i.e. paragraph after list item v) and NOTE), replace the second sentence with the following:

“The label shall not shrink more than 10 % after washing.”

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