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AMENDMENT 1
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Small craft — Bilge-pumping systems

AMENDMENT 1

Petits navires — Systèmes de pompe de cale

AMENDEMENT 1

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This document was prepared by Technical Committee ISO/TC 188, *Small craft,* in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 464, *Small Craft,* in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

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.

Small craft — Bilge-pumping systems

AMENDMENT 1

Clause 1

Replace “ISO 8666:2016” with “ISO 8666:2020”.

Clause 2

Remove the following normative references:

ISO 9093-1:1994, *Small craft — Seacocks and through-hull fittings — Part 1: Metallic*

ISO 9093-2:2002, *Small craft — Seacocks and through-hull fittings — Part 2: Non-metallic*

ISO 10133:2012, *Small craft — Electrical systems — Extra-low-voltage d.c. installations*

ISO 11591:2019, *Small craft — Field of vision from the steering position*

Replace the following normative references:

“ISO 8666:2016” with “ISO 8666:2020”.

“ISO 8849:2003, *Small craft — Electrically operated direct-current bilge pumps*” with “ISO 8849:2020, *Small craft — Electrically operated bilge pumps*”.

“ISO 13297:2014, *Small craft — Electrical systems — Alternating current installations*” with both:

— “ISO 13297:2020, Small craft — Electrical systems — Alternating and direct current installations”; and

— “ISO 13297:2020/Amd.1:2022, Small craft — Electrical systems — Alternating and direct current installations — Amendment 1”.

Insert the following normative reference:

ISO 9093:2020, *Small craft — Seacocks and through-hull fittings*

3.4

Replace terminological entry 3.4 with the following:

3.4
fully enclosed boat
craft in which the horizontal projection of the sheerline (3.13) area comprises any combination of

— watertight deck and superstructure; and/or

— quick-draining recesses; and/or

— watertight recesses with a combined volume of less than $(L_H B_H F_M)/40$, and with all closing appliances meeting the appropriate degree of watertightness

Note 1 to entry: Quick-draining recesses and watertight recesses are covered in ISO 11812.

Note 2 to entry: Degrees of watertightness are covered in ISO 12216.

3.7, Note 1 to entry

Replace "ISO 8666:2016" with "ISO 8666:2020".

3.13, SOURCE

Replace "[SOURCE: ISO 8666:2016, 2.3]" with "[SOURCE: ISO 8666:2020, 3.3]".

Clause 3, at the end

Insert the following terminological entry:

3.16
main steering position
steering position as defined by the manufacturer

Clause 4

Replace Table 1 with the following:

Symbol	Unit	Description
A_S	m^2	Reference sail area, according to ISO 8666:2020
B_H	m	Beam of the hull, according to ISO 8666:2020
F_M	m	Freeboard, midship, to the loaded waterline, according to ISO 8666:2020
L_H	m	Length of the hull, according to ISO 8666:2020
m_{LDC}	kg	Mass of the boat in the maximum loaded displacement, according to ISO 8666:2020
IP 56	—	Protected from limited dust ingress. Protected from high pressure water jets from any direction. According to IEC 60529:1989/AMD2:2013/COR1:2019

5.1.1, third paragraph

Replace the text with the following:

Fore and aft peaks need not be linked to the bilge pumping system if

— their combined volume is less than or equal to 10 % of the displacement of the craft in the loaded displacement condition (m_{LDC}), and

5.1.3.2

Replace the text with the following:

For craft in design categories A, B and C:

a) a bilge pumping system shall be installed, permanently attached to the boat structure,

b) the activation of the bilge pumping system shall be in the vicinity of, and readily accessible from, the main steering position.

6.2

Replace the text with the following:

6.2.1 Electric bilge pumps installed in the system shall comply with ISO 8849:2020.

6.2.2 Electrical installations shall meet the requirements in ISO 13297:2020 and ISO 13297:2020/Amd.1:2022.

7.5

Replace the text with the following:

7.5 Outlets on the hull shall be above the heeled waterline (3.7), unless a seacock is installed in accordance with ISO 9093:2020 and there is a means to prevent backflow into the boat.

Bibliography

Replace [2] with the following text:

[2] ISO 12216, *Small craft — Windows, portlights, hatches, deadlights and doors — Strength and watertightness requirements*