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## **Small craft — Personal watercraft — Construction and system installation requirements**

*Petits navires — Véhicules nautiques à moteur — Exigences de  
construction et d'installation des systèmes*



Reference number  
ISO 13590:2022(E)

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## Foreword

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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)).

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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 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).

This third edition cancels and replaces the second edition (ISO 13590:2003), which has been technically revised.

The main changes are as follows:

- in [Clause 1](#), it has been clarified that outboard powered personal watercraft and jet powered surfboards are outside the scope of this document;
- comparing all values to SAE and industry standards;
- using the single term “craft’s ground” for both “earthed” and “ground”;
- requirements for watercraft identification have been added in new [Clause 5](#);
- requirements for cellular plastic used to encase metallic fuel tanks have been removed (former 5.2.2);
- requirements for plastic-encased metallic fuel tanks have been removed (former 5.3.2);
- requirements for carburettors have been removed (former 5.6);
- the fuel fill system grounding value in [6.13](#) has been corrected;
- requirements for propulsion engine cut-off device have been added in new [Clause 13](#);
- requirements for off throttle steering when underway have been added in [Clause 16](#);
- requirements for the owner’s manual have been added in [Clause 18](#);
- off-throttle steering testing methods have been added in new [Annex A](#).

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