
**Ships and marine technology —
Aquatic nuisance species —**

**Part 1:
Ballast water discharge sample port**

Navires et technologie maritime — Espèces aquatiques nuisibles —

Partie 1: Appareillage de prélèvement à l'évacuation de l'eau de ballast

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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).

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For an explanation on 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 the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*.

This second edition cancels and replaces the first edition (ISO 11711-1:2013), which has been technically revised.

The main changes compared to the previous edition are as follows:

- The previous edition did not address apparatus needed to collect representative samples of ballast water, nor did it provide procedures for handling or analysing the samples after they have been collected. Accordingly, this second edition of ISO 11711-1 is intended to be complemented with other two Parts in the ISO 11711 series.
- The previous edition provided guidance on the design of "sample ports;" they are now known as "sample probes."
- This edition clarifies issues encountered with the previous edition and provides additional information:
 - A semi-permanently installed probe could become hazardous to ship operations if there is excessive bio-fouling in or corrosion of the pipe.
 - The first edition did not contain sufficient details to allow for multiple available sample probe configurations and installation methods.
- The end user is now addressed in each of the parts of the ISO 11711 series. For example, this document is intended for ship owners, designers and crew for accessing the main ballast pipe for sampling; ISO 11711-2 is intended for port state control or other sampling parties; a future Part will be intended for personnel analysing the samples.

A list of all the parts in the ISO 11711 series can be found on the ISO website.

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.