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Ships and marine technology — Heading control systems

Navires et technologie maritime — Systèmes de contrôle du cap



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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 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.

This document was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 6, *Navigation and ship operations*.

This third edition cancels and replaces the second edition (ISO 11674:2006), which has been technically revised.

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

- [Clause 1](#): The bridge alert management (BAM) requirement was added.
- [Clause 2](#): The referenced documents such as related to BAM were added.
- [Clause 3](#): Along with renewal of the overall structure of the document, the terms, definitions and abbreviated terms were also updated.
- [Clause 4](#): The IMO performance requirements that were defined in each clauses were summarized in [Clause 4](#). In addition, [Clause 4](#) was classified into Operational requirements ([4.2](#)), Functional requirements ([4.3](#)), and Control performance requirements ([4.4](#)) and the corresponding tests are specified in [Clause 6](#), [Clause 7](#) and [Clause 8](#).
- [4.3.4](#), [7.4](#), [Annex B](#): Because the HCS becomes the BAM compliant equipment, alerts with a standard alert identifier, BAM requirements, test methods, communication procedures, and other requirements regarding implementation were added.
- [Clause 5](#): To harmonize with IEC 62065:2014, the test procedure positively utilizing the ship motion simulator of IEC 62065:2014 and the required test results were specified.
- [Annex A](#): In connection with the change in [Clause 8](#), the use of IEC 62065:2014 ship models and wave disturbances for the HCS performance test was specified.
- The IEC 61162 interface requirements specified in the main body of this document were transferred to [Annex C](#), and details were specified.

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