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Ships and marine technology — Marine magnetic compasses, binnacles and azimuth reading devices

*Navires et structures maritimes — Compas magnétiques marins,
habitacles et alidades*



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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 second edition cancels and replaces the first edition (ISO 25862:2009), which has been technically revised.

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

- [Clause 1](#): an overview of the annexes was added.
- [Clause 2](#): moved IMO Resolution A. 382 (X) to the Bibliography.
- [Clause 3](#): [3.4](#) and [3.5](#) were added.
- [Clause 4](#): [4.1](#) was added. The temperature range of Class B magnetic compasses was changed to “-30 °C to +60 °C” ([4.2.6](#)). The magnetic moment of Class B magnetic compasses was added to [Figure 1](#). [Table 2](#) was updated (Equal interval of the graduation of Class B magnetic compasses was changed to “1°, 2°, 2,5° or 5°”. Card numbered of Class B magnetic compasses was changed to “Every 30° or every 10°”) and [4.7](#) was updated.
- [Clause 5](#): [5.1](#), [5.2.1](#), and [5.3.1](#) were added. [5.2.6](#) and [5.3.6](#) were updated.
- [Clause 6](#): [6.1](#) was added.
- [Annex D](#): [D.2.4.1](#) and [D.2.6.1](#) were added.
- [Annex H](#): [H.2.1](#) was added.
- Bibliography: IMO Resolution A. 382 (X) and EN 166 were added.

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.