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Third edition
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Ships and marine technology — Transmitting heading devices (THDs) —

Part 2: Geomagnetic principles

Navires et technologie maritime — Dispositifs de transmission de données de pilotage —

Partie 2: Principes géomagnétiques

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

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This third edition cancels and replaces the second edition (ISO 22090-2:2014), which has been technically revised.

The main changes are as follows:

— to align with the latest gyro-related standards, the scope has been reduced and other applicable conditions have been moved to "Application" (5.1).

— along with renewal of the overall structure of the document, the terms and definitions (Clause 3) have been updated;

— Clause 4 (abbreviated terms) has been added;

— IMO performance requirements have been summarized in Clause 5;

— in 5.6, requirements related to bridge alert management have been added;

— in 5.7.6, requirements related to electromagnetic compatibility have been added;

— in 6.11, a test method for requirements related to bridge alert management has been added;

— in 6.14, an electromagnetic compatibility test has been added;

— Annex A has been replaced with a new Annex on alerts definition, including alert identifiers;

— in Annex B, an IEC 61162 series interfaces overview has been added.

— the normative references and bibliography have been updated.

A list of all parts in the ISO 22090 series can be found on the ISO website.

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Introduction

This document is aligned with IMO Resolution MSC.116(73) on performance standards for marine transmitting heading devices (THDs).

Any text in this document which is a citation from the IMO Resolution MSC.116(73), appears in italics. Within these citations, any changes to the original wording of the IMO Resolution MSC.116(73) are written in upright font.

In this document, the following verbal forms are used:

— “shall” indicates a requirement;

— “should” indicates a recommendation;

— “may” indicates a permission;

— “can” indicates a possibility or a capability.

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