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Ships and marine technology — Grab dredger supervisory and control systems

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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 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.*

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.

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Introduction

This document describes the supervisory and control system for a number of components, functions and systems that can, but do not have to, be installed on board of a grab dredger. It does not prescribe that all described components, functions and systems need to be installed.

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Ships and marine technology — Grab dredger supervisory and control systems

1 Scope

This document specifies the components and structure, general requirements, and functional requirements of grab dredger supervisory and control systems.

It is applicable only to the installed components, functions or systems. It covers the design, manufacture and modifications.

2 Normative references

The following referenced documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 8384, *Ships and marine technology — Dredgers — Vocabulary*

3 Terms , definitions and abbreviated terms

3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 8384 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org/

3.1.1
grab dredger supervisory and control system
GD-SCS
system used for supervising and controlling the operations of a grab dredger

3.1.2
dredging profile monitor
DPM
system used to accurately measure and monitor the grab dredger's position and heading, and the grab bucket's position and depth, via plane view and profile view

3.1.4
opening value
value of opening of the grab bucket, expressed in percent (%), where 0 % means closed and 100 % means fully opened

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