INTERNATIONAL STANDARD

ISO 20661

First edition
2020-01

Ships and marine technology — Cutter suction dredger supervisory and control systems

This document is a preview generated by EVS

Reference number
ISO 20661:2020(E)

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Published in Switzerland

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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.*

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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 cutter dredger. It does not prescribe that all described components, functions and systems need to be installed.

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1 Scope

This document specifies the components and structure, general requirements, and subsystem functional requirements, of cutter suction 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 purpose 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
cutter suction dredger supervisory and control system
CSD-SCS
system used for supervising and controlling the dredging operations performed by a cutter suction dredger

3.1.2
depth of cutter
distance from the water surface to the lower edge of the cutter head

3.2 Abbreviated terms

CCS	Cutter control system
CSD	Cutter suction dredger
CSD-SCS	Cutter suction dredger supervisory and control system

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