ISO 20662:2020-01 (E)

Ships and marine technology - Hopper dredger supervisory and control systems

Contents

Page

Foreword ..... **v**

Introduction ..... **vi**

1 Scope **1**

2 Normative references **1**

3 Terms, definitions and abbreviated terms **1**
3.1 Terms and definitions 1
3.2 Abbreviated terms 2

4 Components and structure **2**
4.1 Components 2
4.2 Structure 3

5 General requirements **3**
5.1 Operating position and control mode 3
5.1.1 Operating position 3
5.1.2 Control mode 3
5.2 External communication 3
5.3 Diagnostic 3
5.4 HMI graphics 4
5.4.1 Alarm level 4
5.4.2 Conventions on graphic colours 4
5.4.3 Brightness of the HMI 4

6 Functional requirements **4**
6.1 STPM/STWC 4
6.1.1 Preset 4
6.1.2 Operation 5
6.1.3 Controller 5
6.1.4 Display 5
6.1.5 Alarm 5
6.1.6 Calibration 5
6.2 DSLS 5
6.2.1 Preset 5
6.2.2 Operation 6
6.2.3 Controller 6
6.2.4 Display 6
6.2.5 Alarm 6
6.2.6 Calibration 6
6.3 Unloading system 6
6.3.1 Preset 6
6.3.2 Operation 6
6.3.3 Display 7
6.3.4 Alarm 7
6.4 Dredge pump system 7
6.4.1 Operation 7
6.4.2 Controller 7
6.4.3 Display 7
6.4.4 Alarm 7
6.5 Jet water system 8
6.5.1 Preset 8
6.5.2 Operation 8

6.5.3 Display 8
6.5.4 Alarm 8
6.6 Dredge valve system 8
6.6.1 Preset 8
6.6.2 Operation 8
6.6.3 Display 8
6.6.4 Alarm 9