

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	DSL.....	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