

DIN EN 62616:2010-09 (E)

Maritime navigation and radiocommunication equipment and systems - Bridge navigational watch alarm system (BNWAS) (IEC 62616:2010); English version EN 62616:2010

Contents	Page
1 Scope.....	5
2 Normative references	5
3 Performance requirements	6
3.1 Functionality.....	6
3.1.1 Operational modes	6
3.1.2 Operational sequence of indications and alarms	6
3.1.3 Reset function	7
3.1.4 Emergency call facility and transfer of alarms	8
3.2 Accuracy	8
3.3 Security.....	8
3.4 Malfunctions, alarms and indications	9
4 Ergonomic criteria requirements	9
4.1 Operational controls	9
4.2 Presentation of information.....	9
4.2.1 Operational mode	9
4.2.2 Visual indications	9
4.2.3 First stage bridge audible alarm.....	9
4.2.4 Second and third stage remote audible alarm	9
5 Design and installation requirements	10
5.1 General	10
5.2 Specific requirements.....	10
5.2.1 System physical integrity	10
5.2.2 Reset devices.....	10
5.3 Power supply.....	10
5.4 Installation documentation.....	10
6 Interfacing requirements.....	10
6.1 Inputs	10
6.2 Outputs	11
7 Methods of testing and required test results	11
7.1 General	11
7.2 General requirements.....	11
7.3 Display of information.....	12
7.4 Operational tests	12
7.4.1 Operational modes	12
7.4.2 Dormant period.....	12
7.4.3 Alarms.....	12
7.4.4 Alarm alternatives.....	12

7.4.5	Description of reset function	12
7.4.6	Initiation of reset function	12
7.4.7	Continuous activation	13
7.4.8	Emergency call facility and transfer of alarms	13
7.4.9	Accuracy	13
7.4.10	Security	13
7.4.11	Malfunction	13
7.4.12	Operational controls	13
7.4.13	Operational mode	13
7.4.14	Visual indications	14
7.4.15	First stage bridge audible alarm	14
7.4.16	Second and third stage remote audible alarm	14
7.4.17	Design and installation general	14
7.4.18	System physical integrity	14
7.4.19	Reset devices	14
7.4.20	Power supply	14
7.4.21	Installation documentation	14
7.4.22	Interfacing	14
Annex A (normative)	Installation considerations	15
A.1	General	15
A.2	Location of reset function	15
A.3	Reset facilities	15
A.4	Visual indications	15
A.5	First stage bridge audible alarm	15
Annex ZA (normative)	Normative references to international publication with their corresponding European publications	17
Bibliography	16
Figure 1	– Alarm sequence without acknowledgements	6