

EC Certificate Type Examination (Module B)



This is to certify that:

Germanischer Lloyd, a Notified Body under the terms of the Marine Equipment Directive 96/98/EC of 20 December 1996, notified by the German Federal Ministry of Transport, Building and Urban Development, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 96/98/EC as amended, subject to any conditions in the schedule attached hereto.

Certificate No. **47 023 - 12 HH**

Applicant **Totem Plus Europe GmbH**

**Niedernstr. 10
20095 Hamburg, GERMANY**

Product Description **Bridge Navigational Watch Alarm System (BNWAS)**

Product Name **Totem Plus Bridge Navigational Watch Alarm System**

Trade Name **Totem Plus Bridge Navigational Watch Alarm System**

Specified Standards **IMO Res.A.694(17), MSC.128(75), MSC.191(79), MSC/Circ.982, IEC 60945 (2002) inc. Corr. 1, IEC 61162 Series, IEC 62288 Ed.1.0(2008), IEC 62616(2010)**

Related Directive **2011/75/EC**

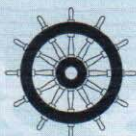
Equipment Section **Navigation equipment**

Annex A.1 Item No. **A.1/4.57**

Date of Issue **2012-10-05**

Expiry Date **2017-10-04**

Germanischer Lloyd



Nils Wegener

Notified Body No.: 0098



Certificate No: 47 023 - 12 HH Date of Issue: 2012-10-05

Schedule of Approval

Approval Documentation

Test report : Environmental Test Report 21323Rev1, EMC Test Report 21335, Functional Test Report
GL_Totem1.2010

Technical Data

The Totem Plus Bridge Navigational Watch Alarm System consists of the following equipment:

Main Unit: BWS1.0
Reset Unit: RU1.0 (max 6)
Wing Reset Unit: WR1.0 (2 substitutive with Reset Units)
Alarm Unit: AU1.0 (max 20 in 7 groups)
I/O Unit: IO1.0
Main Unit Cable: CB2.0-03 (5m)
MotionDetector: SRX360N (max 8 in 4 groups)

Up to 10 additional Wing Reset Units can be installed as additional bridge visual indications, audible alarms, and remote audible alarms. The reset button will be blocked in this case.

Documentation:
BNWAS Installation and User Manual Version 1.x

Remarks

None

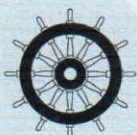
Limitations on the acceptance or use of the product

none

Notes:

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform Germanischer Lloyd, as the Notified Body, of any modifications or changes to the approved equipment.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.



The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body.