

# 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.

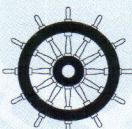
Certificate No.	<b>60 624 - 13 HH</b>
Applicant	<b>DECKMA GmbH</b> <b>Bahnhofstraße 79</b> <b>21224 Rosengarten-Klecken, GERMANY</b>
Product Description	<b>Bridge Navigational Watch Alarm System (BNWAS)</b>
Product Name	<b>BNWAS 3000</b>
Trade Name	<b>BNWAS 3000</b>
Specified Standards	<b>IMO Res. A.694(17), MSC.128(75), MSC.191(79), IEC60945(2002) incl. Corr.1(2008), IEC61162series, IEC62288 Ed.1.0 (2008), IEC62616(2010) incl. Corr.1(2012).</b>
Related Directive	<b>2011/75/EU</b>
Equipment Section	<b>Navigation equipment</b>
Annex A.1 Item No.	<b>A.1/4.57</b>
Date of Re-issue	<b>2013-08-07</b>
Expiry Date	<b>2018-06-24</b>

**Germanischer Lloyd**

**Notified Body No.: 0098**

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**Nils Wegener**



## Schedule of Approval

### Approval Documentation

Test reports:

- Environmental Test Report No. 13-4893 Rev. 2
- EMC Test Report No. 07010.081.13 V1.0
- Compass safe distance, certificate no. 803
- GL Test Report dated 2013-05-14

Documentation:

- System description of BNWAS 3000, Vers. 1.1
- Installation instructions for BNWAS 3000, Vers. 1.0

### Technical Data

The Bridge Navigational Watch Alarm System BNWAS 3000 consists of the following equipment:

- Watch Alarm Main Unit BNWAS 3000 MU-E, Software Version 1.0.x
- Repeater Unit BNWAS 3000 RPU-E, Software Version 1.0.x
- Selector Unit BNWAS 3000 SU-E
- Reset Unit BNWAS 3000 RSU-E
- Reset Unit watertight BNWAS 3000 RSU-WT
- Booster Unit BNWAS 3000 BU-E

Optional equipment:

- VdS approved accumulators
- Electronic Sounder A100 or A105N or A112N

### Remarks

None

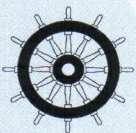
### Limitations on the acceptance or use of the product

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.