



Marine & Offshore

Certificate number: 32049/B0 MED

File number: NAV0/50651/1

Item number: MED/4.57

This certificate is not valid when presented without the full
attached schedule composed of 7 sections

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Notified Body 2690 - MARINE EQUIPMENT DIRECTIVE 2014/90/EU

EC TYPE EXAMINATION CERTIFICATE

as per Module B of Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations and Commission Implementing Regulation (EU) 2017/306 of 06 Feb. 2017

This certificate is issued to:

ALPHATRON MARINE BV
ROTTERDAM - NETHERLANDS

for the type of product

BRIDGE NAVIGATIONAL WATCH ALARM SYSTEM (BNWAS)
AlphaBNWAS

Requirements:

SOLAS 74 Convention as amended, Regulations V/18, V/19
IMO Res. A.694(17), IMO Res. MSC.128(75), IMO Res. MSC.191(79)
MSC.302(87), MSC.1/Circ.1474
IEC 60945 Ed. 4.0 (2002) + /Corr.1 (2008)
IEC 61162-1 (2010) /Corr. 1 (2013), IEC 62288 Ed. 2.0 (2014)
IEC 62616 Ed. 1.0 (2010) incl. /Corr.1 (2012)

This certificate is issued on behalf of the French Maritime Authorities to attest that Bureau Veritas Marine & Offshore did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations.

This certificate is a renewal of certificate N° 32049/A1 EC expiring on 06/12/2017


This certificate will expire on: 06 Dec 2022

For Bureau Veritas Marine & Offshore Notified Body 2690,

At BV GRONINGEN, on 22 Nov 2017,

John Mondt



This certificate does not allow to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark ) to the products corresponding to this type. To this end, the production-control phase module (D, E or F) of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a notified body.

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. Bureau Veritas Marine & Offshore is designated by the French Maritime Authority as a "notified body" under the terms of the French Regulations Division 140 Chapter 140-2. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

- Product model or type designation :
AlphaBNWAS

- Product description:

The Bridge Navigational Watch Alarm System (BNWAS) AlphaBNWAS monitors the bridge activity and detect operator disability which could lead to marine accidents.

1.1 - BNWAS Components:

Component:

- Watch Alarm Main Unit
- BNWAS Selection Switch
- Alarm Buzzer
- Remote Reset
- Water Tight Remote Reset
- PIR Sensor

1.2 - Technical Specifications:

Operating Modes	Manual ON, Manual OFF and Automatic Mode
Inputs	- Autopilot - Reset
Outputs	- 4 potential free outputs - Communication interface to VDR
Reset Sensors	Remote Reset and Watertight Remote Reset Push Buttons
Main Power Supply	24 VDC (18 - 33VDC, 154 mA max.)

2. DOCUMENTS AND DRAWINGS:

- 2.1 - Drawing N° RELAISDEEL, rev.0, dated 27/05/2009
- 2.2 - Drawing N° KOK-00360, rev.0, dated 03/09/2009
- 2.3 - Drawing N° BEV-0363, rev.0, dated 04/12/2008
- 2.4 - Drawing N° FRONT, rev.0, dated 04/02/2009
- 2.5 - Drawing N° PWR, rev.0, dated 07/04/2009
- 2.6 - Drawing N° KITVOORSCHRIFT, rev.0, dated 03/09/2009
- 2.7 - Drawing N° SC-9040, rev.0, dated 26/08/2009
- 2.8 - Drawing N° MON-6K310BIBI, rev.0, dated 17/10/2010
- 2.9 - Drawing N° AFWERKVOORSCHRIFT, rev.0, dated 03/09/2009
- 2.10 - Drawing N° BEV-0361, rev.0, dated 04/09/2009
- 2.11 - Drawing N° UC, rev.0, dated 07/04/2009
- 2.12 - Components List, dated 30/03/2009
- 2.13 - Drawing N° AFSCHERMING STAART FRONT FOLIE, rev.0, dated 26/08/2009
- 2.14 - Technical descriptions data sheets

For A1 version:

- 2.15 - MARBLE BNWAS Inspection Report including PIR Sensor MS PIR
- 2.16 - MARBLE PIR Corrosion declaration ref : 20140902

3. TEST REPORTS:

- 3.1 - KEMA Certificate of Electromagnetic Compatibility N° 2124242.0551-QUA/EMC and annex 1, dated 02/04/2009
- 3.2 - KEMA Test Report N° 2124242.0501-QUA/EMC, dated 02/04/2009
- 3.3 - THALES Test Report N° 9505 003 855XX 001, dated 30/03/2009
- 3.4 - BSH Compass Safe Distance Test Report N°609, dated 27/05/2009
- 3.5 - Inspection Report (IEC62616)
- 3.6 - Inspection Report (IEC62288)
- 3.7 - THALES Test Report N° 9505 330 956XX 001, dated 08/12/2011
- 3.8 - Inspection Report (IEC60529) N°20120130 IP, dated 01/02/2012
- 3.9 - Inspection Report (IEC61162) N°20120130 NMEA, dated 01/02/2012
- 3.10 - Inspection Report N°20120130 Corrosion, dated 01/02/2012
- 3.11 - EC Type examination certificate ref. 59 854 - 13 HH, dated 25.Jan.2013.

For A1 version:**THALES NEDERLAND:**

- Mechanical & Climatical Tests No. 9505 330 956XX 001, dated Dec 13, 2011
- IEC 62288 & IEC 62616 inspection report dated 04.Jul.2016.

4. APPLICATION / LIMITATION:

- 4.1 - As per requirements stated on first page.
- 4.2 - Only Hardware and Software successfully tested together in compliance with the regulations as referred to in page one, according to the declaration of the manufacturer are covered by this certificate.

5. PRODUCTION SURVEY REQUIREMENTS:

This certificate alone does not allow the applicant to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module D "Production Quality Assurance" or E "Product Quality Assurance" or F "Product Verification" of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.

6. MARKING OF PRODUCT:

Reference is made to MED 2014/90/EU chapter 2.

In particular Article 10.3 specifies that the wheelmark shall be followed by the identification number of the Notified Body involved in the production control phase (module D, E or F) and by the year in which the mark is affixed (4 digits or last 2 digits).

7. OTHERS:

- 7.1 - It is **ALPHATRON Marine BV**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.
- 7.2 - This certificate supersedes the Type Approval Certificate No. 32049/A1 EC issued on 27/07/2016 by the Society.

*** END OF CERTIFICATE ***