



Marine & Offshore

Certificate number: 23748/B0 MED

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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:

**John Lilley & Gillie Ltd**  
North Shields - UNITED KINGDOM

for the type of product

**BRIDGE NAVIGATIONAL WATCH ALARM SYSTEM (BNWAS)**  
WALKER P7007 BNWAS

### Requirements:

SOLAS 74 Convention as amended, Regulations V/18, V/19  
IMO Res. A.694(17)  
IMO Res. MSC.128(75), MSC.191(79), MSC.302(87)  
MSC.1/Circ.1474  
IEC 60945 (2002) + /Corr. 1 (2008),  
IEC 61162-1 Ed. 4.0 (2010) + / Corr.1 (2013)  
IEC 62288 Ed. 2.0 (2014-07),  
IEC 62616(2010) + /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° 23748/A1 EC expiring on 31/12/2017


**This certificate will expire on: 31 Dec 2022**

**For Bureau Veritas Marine & Offshore Notified Body 2690,**

At BV LONDON, on 11 Dec 2017,

Spencer Yule



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:

The Bridge Navigational Watch Alarm System (BNWAS), WALKER P7007, monitors the bridge activity and detect operator disability which could lead to marine accidents.

#### 1.1 - BNWAS Components:

Component	Model Number
Control Unit	P7007
Repeater / Reset Unit	P7008
Remote Reset Unit	P7009
Emergency Call	P7010
Stage 2 Alarm Sounder	P7011
Stage 3 Alarm Sounder	P7012

#### 1.2 - Technical Specifications

<b>Operating Modes</b>	Manual ON, Manual OFF and Automatic Mode
<b>Display / Controls</b>	Digital: 1 x 256 * 64 pixel OLED Graphic Display
<b>Inputs</b>	4 Sets: Dry Contacts / 5VDC for remote operations 2 x IEC 61162-1 (NMEA 0183) Receivers
<b>Outputs</b>	2 x RJ45 outputs for Remote reset P7008 / P7009 4 Sets: Dry Contacts / 12VDC for Remote Sounders 1 x IEC 61162-1 (NMEA 0183) Transmitter
<b>Reset Sensors</b>	Remote Reset Units P7009 IP66 suitable for exposed navigation bridge wings Repeater / Reset Units P7008
<b>Power Supply</b>	90/240 VAC, 50-60Hz

### 2. DOCUMENTS AND DRAWINGS:

- 2.1 - WALKER P7007 BNWAS Data Sheet: P7007/ds/ra/220 Issue 7
- 2.2 - Drawing N° 3458-A3-30, issue 1, dated 04/04/2011
- 2.3 - Drawing N° 3458-A3-31, issue 1, dated 27/04/2011
- 2.4 - Drawing N° 3458-A3-26, issue 1, dated 22/03/2011
- 2.5 - Drawing N° 3458-A3-27, issue 2, dated 07/06/2012
- 2.6 - Drawing N° 3458-A3-28, issue 1, dated 23/03/2011
- 2.7 - Drawing N° 3460-A3-20, issue 3, dated 21/10/2014
- 2.8 - Drawing N° 3460-A3-21, issue 1, dated 21/04/2011
- 2.9 - Drawing N° 3462-A3-10, issue 2, dated 17/04/2011
- 2.10 - Drawing N° 3463-A3-10, issue 1, dated 06/04/2011
- 2.11 - Drawing N° 3464-A3-3, issue 1, dated 21/08/2014
- 2.12 - Drawing N° 3464-A3-4, issue 1, dated 21/08/2014
- 2.13 - Drawing N° 3458-A3-20, issue 3, dated 16/08/2011
- 2.14 - Drawing N° 3458-A3-21, issue 3, dated 10/02/2011
- 2.15 - Drawing N° 3458-A3-22, issue 4, dated 13/05/2011
- 2.16 - Drawing N° 3458-A3-23, issue 2, dated 28/02/2011
- 2.17 - Drawing N° 3458-A3-24, issue 1, dated 28/01/2011
- 2.18 - Drawing N° 3458-A3-3, issue 3, dated 28/03/2013
- 2.19 - Drawing N° 3458-A3-12, issue 1, dated 23/03/2011
- 2.20 - Drawing N° 3458-A3-6, issue 1, dated 23/03/2011
- 2.21 - Drawing N° 3458-A3-15, issue 2, dated 16/06/2011
- 2.22 - Drawing N° 3458-A3-9, issue 6, dated 25/03/2013
- 2.23 - Drawing N° 3458-SCH-1, issue 3, dated 25/03/2013
- 2.24 - Drawing N° 3458-SCH-10, issue 1, dated 10/02/2011
- 2.25 - Drawing N° 3458-SCH-4, issue 1, dated 18/03/2011
- 2.26 - Drawing N° 3458-SCH-13, issue 1, dated 17/03/2011
- 2.27 - Drawing N° 3458-SCH-7, issue 7, dated 01/12/2011
- 2.28 - Part Lists PA-0070 to 0074, issue 1
- 2.29 - P7007 - BNWAS Assembling Instructions
- 2.30 - P7007 - BNWAS ECO 0086 inc drawings - Ref: P7007/ds/ra/220 Issue 7
- 2.31 - P7007 - BNWAS ECO 0010, dated 28/07/2011
- 2.32 - P7007 - BNWAS ECO 0006, dated 16/06/2011

**3. TEST REPORTS:**

- 3.1 - Test Report Lilley and Gillie N° ENV-DHF-P7007, dated 30/03/2011 & 26/07/2011
- 3.2 - Test Report Lilley and Gillie N° BNWAS-P7007, dated 30/03/2011
- 3.3 - Test Report Lilley and Gillie N° EMC-COE-P7007, dated 30/03/2011
- 3.4 - Test Report Lilley and Gillie N° EMC-COI-P7007, dated 01/04/2011
- 3.5 - Test Report Lilley and Gillie N° EMC-ESD-P7007, dated 31/03/2011
- 3.6 - Test Report Lilley and Gillie N° EMC-FTR-P7007, dated 31/03/2011
- 3.7 - Test Report Lilley and Gillie N° EMC-PSV-P7007, dated 01/04/2011
- 3.8 - Test Report Lilley and Gillie N° EMC-RAE-P7007, dated 31/03/2011
- 3.9 - Test Report Lilley and Gillie N° EMC-RAI-P7007, dated 30/03/2011
- 3.10 - Test Report Lilley and Gillie N° EMC-SRG-P7007, dated 31/03/2011
- 3.11 - Test Report Lilley and Gillie N° ENV-DAM-P7007, dated 01/04/2011
- 3.12 - Test Report Lilley and Gillie N° ENV-LOP-P7007, dated 30/03/2011 & 25/07/2011
- 3.13 - Test Report Lilley and Gillie N° ENV-VIB-P7007, dated 31/03/2011
- 3.14 - Test Report Lilley and Gillie N° NME-ITF-P7007, dated 29/03/2011
- 3.15 - Test Report Lilley and Gillie N° PWS-EXC-P7007, dated 31/03/2011
- 3.16 - Test Reports Lilley and Gillie N° PWS-EXT-P7007, dated 31/03/2011 & 25/07/2011
- 3.17 - Test Report Lilley and Gillie N° PWS-NOR-P7007, dated 31/03/2011
- 3.18 - Test Report Lilley and Gillie N° SFP-ADV-P7007, dated 31/03/2011
- 3.19 - Test Report Lilley and Gillie N° SPT-ANS-P7007, dated 30/03/2011
- 3.20 - Test Report Lilley and Gillie N° SPT-CSD-P7007, dated 31/03/2011
- 3.21 - Test Report Lilley and Gillie N° DIS-P7007, dated 01/04/2011
- 3.22 - JLG IEC62616 Corr1, dated 16/10/2014
- 3.23 - IEC 62288 Ed.2 (2014) answer to DA-ELEC/16/00045, dated 19/01/2016
- 3.24 - Test Report Lilley and Gillie N° NME-ITF-1-P7007 IEC 61162-1 Ed.4 (2010) witnessed by BV, dated 05/02/2016

**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.
- 4.3 - The following component(s) shall comply with the requirements of MED2014/90/EU, as amended, and be wheelmarked:  
- The Bridge Navigational Watch Alarm System (BNWAS), WALKER P7007

**5. PRODUCTION SURVEY REQUIREMENTS:**

- 5.1 - 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.
- 5.2 - For information concerning the production phase modules, **John Lilley & Gillie Ltd** has declared the following manufacturing site(s):

**John Lilley & Gillie Ltd**  
**8 Neptune Court Orion Business Park**  
**North Shields Tyne & Wear**  
**UNITED KINGDOM**

**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 **John Lilley & Gillie Ltd., 8 Neptune Court, Orion Business Park, North Shields, Tyne & Wear, UNITED KINGDOM** 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 EC Type Examination Certificate N°23748/A1 EC issued on 11/02/2016 by the Society.

**\*\*\* END OF CERTIFICATE \*\*\***