



Lloyd's  
Register

Transport  
Canada  
Safety and Security



## CERTIFICATE OF TYPE APPROVAL ISSUED ON BEHALF OF TRANSPORT CANADA

This is to certify that

The product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations with regards to the International Convention for the Safety of Life at Sea, (SOLAS), 1974, as amended, for use on ships and offshore installations classed with Lloyd's Register, and for use on ships (and offshore installations when authorised by Transport Canada to issue the relevant certificates, licences, permits etc.

<b>Manufacturer</b>	WesCom Signal and Rescue Germany GmbH
<b>Address</b>	Vielander Weg 147 27574 Bremerhaven Germany
<b>Type</b>	<b>LIFEBUOY SELF ACTIVATING SMOKE SIGNAL</b>
<b>Description</b>	Lifebuoy self-igniting light and self-activating smoke signal – Type “Comet Light & Smoke Signals, Pain Wessex MOB MK 9”
<b>Specified Standard</b>	IMO Res. MSC.81 (70) Part 1 as amended by MSC.200 (80), MSC.226 (82) & MSC.323 (89)

**The attached Design Appraisal Document forms part of this certificate.**

**This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.**

Date of issue	9 May 2018	Expiry date	27 September 2020
Certificate No.	LRTC 0000073/M2	Signed	
Sheet No	1 of 3	Name	L. Thomas Surveyor to Lloyd's Register EMEA A Member of the Lloyd's Register Group

**Note:**

**This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register of any modification or changes to the equipment in order to obtain a valid Certificate.**

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



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**DESIGN APPRAISAL DOCUMENT**

Date 9 May 2018	Quote this reference on all future communications SOUTSO/SFS/TA/LT/WP31542146
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**ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LRTC 0000073/M2**

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions, and this Design Appraisal Document forms part of the Certificate.

This certificate is an amendment of LRTC 000073/M1.

**EXAMINED DOCUMENTATION**

<u>Drawing No.</u>	<u>Rev. No</u>	<u>Issue Date</u>	<u>Drawing Title</u>
5901 (2 sheets)	01	-	General Arrangement
9537800	-	-	Data Sheet Pains Wessex
9181600	-	-	Comet

**TEST REPORTS**

INTERTEK, Test Report No 2224232KAU-004 Vibration Test and dated 29<sup>th</sup> July 2015

LGA, Test Report No 471 1258 UV Resistance and dated 27<sup>th</sup> July 2001

LGA, Test Report No 5411183 Mould Growth Test and dated 29<sup>th</sup> June 2001

MSC.980 Prototype Test Report for the combined self-igniting light and self-activating smoke signal, Report No 9 1816 00/9 5378 00, dated 01.11.2013 & 14.01.2014 and witnessed by a Surveyor acceptable to LR

Drew Marine Report No 9181600/953780 Fire Test and dated 23<sup>rd</sup> June 2015

Chemring Defence Germany, Project No 1816 CLU housing against diesel and dated 11<sup>th</sup> January 2013

MSC.980 Prototype Test Report for the combined self-igniting light and self-activating smoke signal, Report No 9 1816 00/9 5378 00, dated 28.10.2014 & 31.10.2014 and witnessed by a Surveyor acceptable to LR

**CONDITIONS OF CERTIFICATION**

1. All instructions or markings that accompany life-saving appliance or are printed directly on the appliances must be in both English and French, as per Canadian procedures for approval of life-saving appliances and fire safety systems, equipment and products document no. TP 14612E (05/2011) paragraph 2.2.1.3. However independent signage can be accepted in lieu of the instructions or marking required in paragraph 2.2.1.3 if it is in both English and French, highly visible (size, colour, position location), water and weather proof and posted at each muster station and where the appliance is stored
2. Maximum stowage height: 100 metres
3. Unless an individual Marine Administration specifies otherwise for their own fleet, lifebuoys self-activating smoke signals shall have an expiry date not later than 48 months after the month of manufacture
4. Detailed fitting, maintenance and in service test instructions are to be provided to each purchaser or the subject equipment
5. Each item is to be marked in accordance with the information required by the LSA Code Regulation 1.2.2.9



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6. The lifebuoy where the self-igniting light and self-activated smoke signal is fitted should be tested in accordance with MSC.81 (70), Part 1, Paragraph 1.8, in order to demonstrate that the lifebuoy is able to activate the light
7. The arrangement and installation of the lifebuoy light and self-activating smoke signal on board are not part of this Design Appraisal or Certificate and are to be to the satisfaction of the Surveyors attending on board
8. If the specified standards are amended during the validity of this certificate, this product type is to be re-approved prior to it being supplied to vessels to which the amended standards apply
9. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure compliance with SOLAS Regulation III/5
10. Production tests are to be conducted in accordance with the applicable requirements of IMO Resolution MSC.81 (70), Part 2 and each item, batch, or lot be delivered with an LR Certificate of SOLAS Production Testing issued by the attending LR Surveyors following their witness of the tests. This does not preclude any further testing to additional requirements of the Marine Administration of the country where the ship is registered (i.e. the flag state) or those acting on behalf of that Administration
11. Should a change of Place of Production from that stated below be required i.e. where the stages of manufacture/assembly/testing of this product take place, the new Place of Production is to be advised to us prior to the change taking place. This Certificate will require to be updated for Approval to be maintained

### PLACE OF PRODUCTION

WesCom Signal and Rescue Germany GmbH  
Vielander Weg 147  
27574 Bremerhaven  
Germany



Lijo Thomas  
Senior Specialist  
Statutory Fire & Safety  
Southampton Technical Support Office, Marine & Offshore  
Lloyd's Register EMEA

### Supplementary Type Approval Terms and Conditions

*This certificate and Design Appraisal Document relates to type approval, it certifies that the prototype(s) of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein, it does not mean or imply approval for any other use, nor approval of any products designed or manufactured otherwise than in strict conformity with the said prototype(s).*