

Certificate of Type Approval

This is to certify that the product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations and with 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 contracting governments to issue the relevant certificates, licences, permits etc.

| | |
|---------------------------|--|
| Manufacturer | E.G. VALLIANATOS S.A. (EVAL) |
| Address | Thesi Tzaverdella, Ano Liosia, PC 13341, Athens, Greece |
| Type | Lifebuoys |
| Description | Throw-over Lifebuoy, not for use with light and or smoke signals, ≥ 2.5 kg; Type "559" |
| Trade Name | "559" |
| Specified Standard | LSA code, Regulation II/2.1 IMO Res. MSC.81(70),part 1, as amended |

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 EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

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.

Lijo Thomas

Senior Surveyor to Lloyd's Register EMEA
A member of the Lloyd's Register group

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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR22129436SS

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.

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This Certificate is a Renewal of Certificate Number SAS 170015

APPROVAL DOCUMENTATION

| Drawing No. | Drawing Title | Rev No | Issue Date |
|------------------------------|----------------------|--------|------------|
| Design No. V-105 | Code No: 559 | D | 30.04.2014 |
| PRS letter Lifebuoy type 559 | TC/WjS/642203/400/08 | - | 06.03.2008 |

Technical Specifications LIFEBOUY CODE 559, undated

TEST REPORTS

| Report Title | Report No. | Date |
|---|---------------|------------|
| Evaluation and test report (MSC/Circ. 980 Part 2.1.1 Lifebuoys) "543" | TCL/WjS/01/07 | 05.02.2007 |

CONDITIONS OF CERTIFICATION

1. Lifebuoy weight: 2.5 kg minimum; Dimensions: Inner Diameter Φ 440 \pm 10mm, Outer Diameter Φ 740 \pm 10mm.
2. Maximum height of installation: 50 m
3. Each lifebuoy to be marked with the information required by LSA Code Regulation 1.2.2.9 and with the name and port of registry of the ship on which is carried; in capitals of the Roman alphabet.
4. The lifebuoy is to be fitted with retro-reflective material as required by LSA Code Regulation I/1.2.2.7 and approved in accordance with the Marine Equipment Directive.
5. If fitted with buoyant lifelines as required by SOLAS Regulation III/7.2, such lifelines shall be of types complying with Regulation II/2.1.4 of the Code.
6. Foam injection hole to be permanently sealed by means of an adhesive plug.
7. The lifebuoy is to be stowed as to be capable of being rapidly cast loose and not secured in any way. It is not suitable to operate the quick release arrangement provided for a self-activated smoke signal and self-igniting light.
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.

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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

E.G. VALLIANATOS S.A. (EVAL)
Thesi Tzaverdella,
Ano Liosia,
PC 13341
Athens,
Greece



Lijo Thomas
Senior Specialist
Fire & Safety, Statutory Discipline Team
UK&I 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).