

EC Type Examination (Module B) Certificate

This is to certify that:

LLOYD'S REGISTER Marine Deutschland GmbH (LRMD), designated as a "notified body" based on the notification of the Federal Maritime and Hydrographic Agency of Germany, did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 2014/90/EU and the valid Commission Implementing Regulation (EU) in force indicating design, construction and performance requirements and testing standards for marine equipment, subject to the conditions below and the attached Schedule which also forms part of this Certificate.

Manufacturer	E.G. VALLIANATOS S.A. (EVAL)
Address	Thesi Tzavardella, Ano Liosia, PC 13341, Athens, Greece
Reference	Marine Equipment Directive (MED) 2014/90/EU, Regulation (EU) 2021/1158
Regulation Item (No. & Item Designation)	MED/1.1 Lifebuoys
Product Type	Lifebuoy
Product Description	Quick release lifebuoy suitable for use with light and smoke signal, ≥ 4 kg; Type "558"
Specified Standard	LSA code, Regulation II/2.1 IMO Res. MSC.81(70), Part 1, as amended by Resolution MSC.200(80), MSC.226(82), MSC.274(85), MSC.295(87), MSC.321(89), MSC.323(89), MSC.378(93), MSC.427(98) and MSC.472(101) as applicable
Trade Name	"558"

The attached Design Appraisal Document (schedule) forms part of this certificate. This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to and agreed with the notified body named on this certificate. The manufacturer should notify LRMD of any modification or changes to the equipment in order to obtain a valid Certificate.

Should the specified regulations or standards be amended during the period of validity of this certificate, the product is to be re-approved prior being placed on the market and on board vessels 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-control phase module (D,E, or F) of ANNEX II of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

Lloyd's Register Marine Deutschland
GmbH, Überseeallee 10, D-20457
Hamburg, Germany.
A member of the Lloyd's Register group

Lijo Thomas

Senior Surveyor
For and on behalf of Lloyd's Register Marine
Deutschland GmbH (2923)

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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. LR22141476MB

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions and European Union legislation for the EC Type Examination of Marine Equipment for use on Merchant Ships Registered in the European Economic Area.

This Design Appraisal Document (schedule) forms part of the Certificate.

This Certificate Supersedes and is a Renewal of Certificate Number 0525-MED-DE MED 1750026

Approval Documentation

Drawing No.	Drawing Title	Rev No	Issue Date
Design No. V-109	Code No: 558	C	30.04.2014

Technical Specifications LIFEBOUY CODE 558, undated

Test Reports

Report Title	Report No.	Date
Evaluation and test report, Test for operation with a light and smoke signal for Lifebuoy type "558" – E.G. VALLIANATOS S.P.A	TCL/WjS/01/2011 -642203	28.05.2011
Evaluation and test report (MSC/Circ. 980 Part 2.1.1 Lifebuoys) "543"	TCL/WjS/01/07	05.02.2007
Evaluation and test report (MSC/Circ.980 Part 2.1.1 Lifebuoys) "558"	TCL/WjS/02/07	05.02.2007

Conditions of Certification

1. Lifebuoy weight: 4 kg minimum; Dimensions: Inner Diameter Φ 440 $\pm$ 10mm, Outer Diameter Φ 740 $\pm$ 10mm.
2. Maximum installation height is 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. The lifebuoy is to be stowed as to be capable of being rapidly cast loose and not secured in any way. The weight of this lifebuoy is considered suitable to operate the quick-release arrangement provided for a self-activated smoke signal and self-igniting light, however the lifebuoy is to be tested in accordance with IMO Resolution MSC.81(70), I/1.8 with the light and smoke signal intended to be used.
6. Lifebuoys with lights and smoke signals shall not be provided with lifelines.

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7. 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.
8. Production items of the subject equipment are to be manufactured in accordance with either an approved Production Quality Assurance system (Module D), a Product-Quality assurance system (Module E) or a Product Verification Process (Module F). The wheel mark cannot be affixed to the product until a conformity assessment module is in place.
9. Production tests are to be conducted in accordance with the applicable requirements of IMO Resolution MSC.81 (70), Part 2 and be recorded by the manufacturer in accordance with either the approved Production Quality Assurance system (Module D) or Product Quality Assurance (Module E) or witnessed by the Notified Body as required by the Product Verification (Module F) of the Marine Equipment Directive. 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. The wheel mark cannot be affixed to the product until a conformity assessment module is in place.
10. Each item, batch or lot of the equipment is to be issued with a "Declaration of Conformity" and have the "Mark of Conformity" affixed after a conformity assessment module is in place.
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.
12. The manufacturer shall keep a copy of the EC type-examination certificate, its annexes and additions together with the technical documentation at the disposal of the national authorities for at least 10 years after the wheel mark has been affixed on the last product manufactured and in no case for a period shorter than the expected life of the marine equipment concerned.

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Place of Production

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For and on behalf of Lloyd's Register Marine Deutschland
LRMD EC Distinguishing No. 2923

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