



Maritime &
Coastguard
Agency

Notified body authorised by the MCA



B A B T

Marine Equipment Directive EC Type Examination Module B Certificate

This is to certify that TUV SUD BABT did undertake the relevant type approval procedures for the equipment identified below, which was found to be in compliance with the Marine Equipment Directive (2014/90/EU) requirements, under the following Implementing Regulation for the listed types of equipment

Implementing Regulation	(EU)2018/773
Certificate Holder and Manufacturer	Ocean Signal Ltd Unit 4 Ocivan Way Margate Kent CT9 4NN United Kingdom
Product(s)	SafeSea E100 SafeSea E100G
Product Sector	Radio Communications Equipment
Product Type	MED/5.6 406 MHz Emergency Position Indicating Radio Beacon (EPIRB)

and on the basis of the Technical Data and information detailed in the Annex to this certificate.

Valid from: 07 March 2019

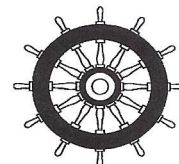
(Tom Twynam)

Expiry Date: 22 October 2022

This certificate has been issued in accordance with the Certification Regulations of TUV SUD BABT (Notified Body Number 0168) and constitutes page 1 of the combined Certificate and Annex.

The Conditions for the validity of this certificate are listed in the Annex.

For further details, related to this certification please contact BABT@TUV-SUD.co.uk



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Issued by TUV SUD BABT under document number BABT-MED001121 Issue 03

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Annex to Marine Equipment Directive Module B Type Examination Certificate



1 Equipment Description

406 MHz Emergency Position Radio Beacon (EPIRB)

1.1 Models

1.1.1 System Components

Model	Description
E100	406MHz EPIRB Beacon ^{Note 1}
E100G	406MHz EPIRB Beacon with integral GPS ^{Note 1}
ARH100	Float-free Auto Housing
MRH100	Manual Release Housing

1.1.2 Optional Components

Model	Description
LB2E	Replacement Battery (user replaceable)

2 Assessed Requirements

2.1 Implementing Regulation (EU)2018/773

2.2 Compliance Requirements for MED/5.6

IMO Resolutions	International Testing Standards	
IMO Res. A.694(17)	IEC 60945 (2002) inc Corr.1:2008	General Requirements for Marine Navigation Equipment (Inc. Corr1:2008)
IMO Res A.810 (19) as amended by MSC 56(66) & MSC 120(74). IMO Res A.662 (16) IMO Res MSC/Circ 862.	IEC 61097-2 (2008)	Global maritime distress and safety system (GMDSS) — Part 2: COSPAS-SARSAT EPIRB - Satellite emergency position indicating radio beacon operating on 406 MHz

3 Technical Documentation

3.1 Declaration of Conformity

E100-E100G MED DofC Dated 2018-05-30

3.2 User Guide

SafeSea E100 / E100G User Manual, V1.32 Issued 2018-03-14

3.3 Test Reports

3.3.1 IEC 61097-2 (2008)

No. 10/881, Issue 1 Issued 2010-11-30

3.3.2 IEC 60945 (2002) inc. Corr.1 (2008)

No. 10/26, Issue 1	Issued	2010-04-27
No. 10/27, Issue 1	Issued	2009-02-25
No. 10/27, Issue 1	Issued	2009-02-25
No. 10/724, Issue 1	Issued	2010-11-19
TA0014	Issued	2018-10-17
75943818 Report 01 Issue 1	Issued	2018-10-01

3.4 Build Status

3.4.1 Hardware

Circuit Diagram: 910S-00002 Issue 01.00	Modified	2010-11-12
PCB Layout:800S-00630/1 Issue 01.00	Modified	2010-11-23
Parts List: 800S-00631/1 Issue 01.00	Modified	2010-11-12

3.4.2 Software ^{Note 2}

Version 01.00

3.5 Notes

Note 1 The E100 or E100G can be mounted in either the ARH100 Float-free Auto-Housing or the MRH100 Manual Release Housing.

Note 2 This approval remains valid for equipment including subsequent minor software amendments which have been formally accepted in accordance with the Certification Regulations of TÜV SÜD BABT.

4 Conditions of Validity

This issue of the Annex, to the referenced Marine Equipment Module B certificate, relates to issue 03 of the certificate.

This certificate ceases to be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with TUV SUD BABT or a person appointed by TUV SUD BABT to perform that role.

Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be reapproved prior to it/them being placed on the market or onboard 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 B of the directive is fully complied with and controlled by a written inspection agreement with a notified body.

Signature: <u>T. J. Twynan</u>	Date: <u>7th March 2019</u>
Print Name: <u>TOM TWYNAN</u>	
On behalf of TUV SUD BABT	