



Notified body authorised by the MCA

Marine Equipment Directive Module D Quality System Certificate

This is to certify that TUV SUD BABT did undertake the relevant assessment procedures for the quality system under the control of the manufacturer for the equipment identified in the Annex to this Certificate which was found to be in compliance with the Marine Equipment Directive (2014/90/EU) requirements under the following Implementing Regulation. Compliance was demonstrated by assessment to the appropriate requirements of the TUV SUD BABT Production Quality Certification scheme related to the MED Module D.

Implementing Regulation	(EU)2018/773
Certificate Holder and Manufacturer	Ocean Signal Ltd
Facilities	See Annex
Product Sector	Navigation Equipment Radiocommunication Equipment
Assessment Standard	BABT 340 Issue 10

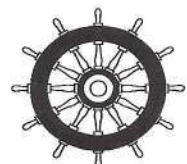
Valid from: 08 April 2019


(Tom Twynam)

Expiry Date: 23 August 2021

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.



0168

Issued by TUV SUD BABT under document number BABT-MED005708-H1 Issue 10

Annex to Marine Equipment Directive Module D Quality System Certificate



1 Details of the Productions Facilities (Fabricators)

1.1 Names and Addresses

Name: Ocean Signal Ltd

Name: ACR Electronics, Inc.

1.2 Product Sectors Covered:

- Navigation Equipment
- Radiocommunication Equipment

2 Module B Type Examination Certificate Information

Item No. MED/4.18 9 GHz Transponder (SART)

Product	Manufacturer	Implementing Regulation	Module B Certificate no.	Expiry Date	NB 0168 unless stated
SafeSea S100	1	2014/93/EU	BABT-MED001067	14/10/2020	-
Pathfinder™ Pro	2	2014/93/EU	BABT-MED001120	14/10/2020	-

Item No. MED/5.6 406 MHz EPIRB (COSPAS-SARSAT)

Product	Manufacturer	Implementing Regulation	Module B Certificate no.	Expiry Date	NB 0168 unless stated
SafeSea E100	1	(EU)2018/773	BABT-MED001121	22/10/2022	-
SafeSea E100G	1	(EU)2018/773	BABT-MED001121	22/10/2022	-
rescueME EPIRB1	1	2015/559/EU	142120002/AA/00	20/11/2019	NB 0560
E101V	1	2015/559/EU	162120001/AA/00	28/04/2021	NB 0560
X-VDRFF-AMI	1	2015/559/EU	162120002/AA/00	28/04/2021	NB 0560

Item No. MED/5.17 Portable survival craft two-way VHF Radiotelephone apparatus

Product	Manufacturer	Implementing Regulation	Module B Certificate no.	Expiry Date	NB 0168 unless stated
SafeSea V100	1	(EU)2018/773	BABT-MED000015	03/08/2021	-
ACR SR203	2	(EU)2018/773	BABT-MED000016	03/08/2021	-

3 Conditions of Validity

This issue of the Annex to the referenced Marine Equipment Module D Certificate relates to Issue 10 of the Certificate.

The references to Module B certificates relate to the issue of the Module B certificate valid at the time of issue of this certificate and any later issue of these certificates within the validity dates of this Module D certificate.

This certificate is also valid for any later issues of the listed Module B certificates unless specifically stated.

This certificate authorises the manufacturer or his authorised representative established within the community in conjunction with an EC Type Examination (Module B) certificate appropriate to one of the item designation types listed above, to affix the "Mark of Conformity" (wheel mark).

This certificate loses its validity if the manufacturer makes any changes or modifications to the approved quality system which have not been notified to, and agreed with TUV SUD BABT.

The manufacturer must immediately cease affixing the "Mark of Conformity" on any product subject to suspension, termination, expiry, withdrawal or revocation of the supporting EC Type Examination (Module B) Certificate.

Signature: L. J. Turynam

Date: 8th April 2019

On behalf of TUV SUD BABT



Maritime &
Coastguard
Agency



Notified body authorised by the MCA

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 Limited
Unit 4

Product(s) SafeSea V100

Product Sector Radiocommunication Equipment

Product Type MED/5.17 Portable Survival Craft two-way VHF Radiotelephone Apparatus

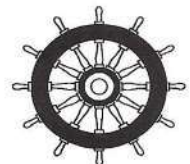
and on the basis of the Technical Data and information detailed in the Annex to this certificate.

Valid from: 01 March 2019


(Tom Twynam)

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.



0168

Issued by TUV SUD BABT under document number BABT-MED000015 i03

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 TÜV SÜD BABT or a person appointed by TÜV SÜD 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 TÜV SÜD BABT	

EC Declaration of Conformity

We, Ocean Signal Ltd., hereby declare that the following specified equipment complies with Directive 2014/90/EU (Marine Equipment) and has been assessed in accordance with MED/5.6 of EU implementing regulation 2018/773.

Equipment Description: Emergency Position Indicating Radio Beacon

Type: SafeSea E100 and SafeSea E100G

Manufactured by: Ocean Signal Ltd

This equipment has been tested to verify compliance with the following Regulations and Testing Standards:

IEC Standards: IEC61097-2:2008, IEC60945:2002.....

IMO resolutions: A.662(16), A.694(17), A.696(17), A.810(19), MSC/Circ.862, COMSAR Circ.32

ITU Recommendations: ITU-R M.633-2, ITU-R M.690-1

Module B Type Examination Certificate No..... BABT-MED001121


Issued by:..... TÜV SÜD BABT (0168)

Module D Surveillance Certificate BABT-MED005708-H1

Issued by..... TÜV SUD BABT (0168)

Product affixed with the following marks and identification:



Signed: 

Date: 30th May 2018

Name: David Sheekey

Position: Product & Approvals Manager

TCB

GRANT OF EQUIPMENT AUTHORIZATION

TCB

Certification
Issued Under the Authority of the
Federal Communications Commission
By:

Ocean Signal Ltd.
Unit 4

Attention: David Sheekey , Product and Approvals Manager

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE,
and is VALID ONLY for the equipment identified hereon for use under the
Commission's Rules and Regulations listed below.

FCC IDENTIFIER: XYEE100

Name of Grantee: Ocean Signal Ltd.

Equipment Class: 406 MHz EPIRB

Notes: Emergency Position Indicating Radio Beacon
(EPIRB)

<u>Grant Notes</u>	<u>FCC Rule Parts</u>	<u>Frequency Range (MHZ)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
GM	80.1101(c)(5)	406.0 - 406.1	5.0	1000.0 Hz	16K0G1D
GM	80.1101(c)(5)	121.5 - 121.5	0.05	50.0 PM	3K20A3K

GM: This unit meets requirements for GMDSS use as contained in Subpart W of Part 80.