

CERTIFICATE

of
EC Type-examination (Module B)

Certificate No: 162120001/AA/00
Product Category: A.1/5.6

With respect to Marine Equipment Directive 96/98/EC and the amending Directive 2015/559/EU,
Telefication declares that the equipment:

Product description: **406 MHz EPIRB (Cospas-Sarsat) (with VDR float free memory capsule)**
Trademark: **Ocean Signal**
Type designation: **E101V**
Hardware / Software version: **01.00 / 01.00**
Variants: --

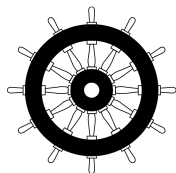
Manufacturer: **Ocean Signal Ltd.**
Address: **Unit 4, Ocivan Way,**
City: **CT9 4NN Margate**
Country: **UNITED KINGDOM**

Complies with the international instruments and test standards as listed in the Annex.
This certificate is granted to:

Name: **Ocean Signal Ltd.**
Address: **Ocean Way**
City: **CT9 4NN MARGATE**
Country: **United Kingdom of Great Britain and Northern Ireland**

Validity of this certificate is 5 years; **Expiry date: 28 April 2021**
This certificate has THREE Annexes.

Zevenaar, 28 April 2016



Willem Jan Jong
Manager Product Certification



General conditions

- Each product to which this certificate relates shall be provided with Marine markings. The Marine marking consist of symbol in the form of a wheel followed by the identification number of the responsible Notified Body for module D, E, F or G, and by the last two digits of the number of the year in which the mark is affixed.
- The holder of this Certificate has drawn up a Declaration of conformity to type with Directive 96/98/EC and amending Directives, declaring that the product(s) described in this EC Type- examination certificate, satisfy the requirements that apply to them.
- Each product shall be identified by means of type, batch and/or serial numbers and the name of the manufacturer and/or importer.
- If the equipment is to be modified, Telefication shall be notified immediately. Depending on the modifications, Telefication may have additional examinations carried out in consultation with the applicant.
- Enforcement of a new amending directive voids the validity of this certificate for (re)placement of the product onboard ships.

Remarks and observations

The following conditions are applicable:

The device includes the following features: 406 MHz EPIRB, 121.5 MHz homing facility, GPS, VDR memory capsule.

Type of EPIRB: Category 1; class 2.

Cospas-Sarsat certificate: TAC 275, issue 24 March 2016.

Documentation lodged for this EC type-examination

Test Reports:

- TUV SUD Product Service: 75931777 Report 02 Issue 1, 13 April 2016
- Hursley EMC Services Ltd.: 15R418 ER, 27 November 2015
- TUV SUD Product Service: 75931777 Report 04 Issue 1, 24 December 2015
- Public Enterprise Testing Centre Omega: 14/509 Issue 1, 11 August 2014

Product Documentation:

- Assembly drawings
- Bill of materials
- Block diagram
- Electrical diagrams
- Internal photos
- External photos
- Manual

International Instruments and test standards

The equipment complies with:

IEC 60945	August, 2002	Edition 4
IEC 60945/Corrigendum 1	April, 2008	Edition 4
IEC 61097-2	January, 2008	Ed. 3.0
IMO Resolution A.694(17)	1991	
IMO Resolution A.810(19)	1995	
ITU-R M.633-4	December, 2010	

Technical features and characteristics

The product includes the following features and characteristics:

EPIRB equipment

- Operating frequency range: 406.040 MHz
- ITU designation: 16K0G1D
- Modulation method(s): FM
- Maximum output power: 5 W

EPIRB equipment

- Operating frequency range: 121.5 MHz
- ITU designation: 3K20A3K
- Modulation method(s): AM
- Maximum output power: 0.05 W

GPS receiver

- Operating frequency range: 1575.42 MHz

Trademarks and Type designations:

The product as described in this EC type-examination includes the following type designations:

- Product description: 406 MHz EPIRB (Cospas-Sarsat) (with VDR float free memory capsule)
- Trademark: Ocean Signal
- Type designation: E101V
- Hardware version: 01.00
- Software version: 01.00