

EU-type examination (Module B)

certificate

No: 172140393/AA/00

In compliance with the procedure specified in RD_061, Telefication declares as designated Notified Body 0560 for the European Radio Equipment Directive, that the stated product, complies with the essential requirements, in accordance with Article 3 of Directive 2014/53/EU, as indicated under Annex 1 of this certificate, based on the applicable Technical Standards and Specifications as listed under Annex 2 of this Certificate.

Product description: **Personal Locator Device (MOB)**
Trademark: **rescueME**
Type designation: **MOB1**
Hardware / Software version: **01.00 / 01.03**
Variants: --

This certificate remains valid as long as the stated product stays in compliance with the essential requirements of the Radio Equipment Directive.

This certificate has THREE Annexes.



Geesje Geers
Product Assessor



General Conditions

For each product to which this EU-type examination relates, it has complied to the essential requirements as follows:

Article 3.1

Radio equipment shall be constructed so as to ensure:

- C (a) The protection of health and safety of persons and of domestic animals and the protection of property, including the objectives with respect to safety requirements set out in Directive 2014/35/EU, but with no voltage limit applying;
- C (b) An adequate level of electromagnetic compatibility as set out in Directive 2014/30/EU.

Article 3.2

- C Radio equipment shall be so constructed that it both effectively uses and supports the efficient use of radio spectrum in order to avoid harmful interference.

Article 3.3

Radio equipment within certain categories or classes shall be so constructed that it complies with the following essential requirements:

- NA (a) Radio equipment interworks with accessories, in particular with common chargers;
- NA (b) Radio equipment interworks via networks with other radio equipment;
- NA (c) Radio equipment can be connected to interfaces of the appropriate type throughout the Union;
- NA (d) Radio equipment does not harm the network or its functioning nor misuse network resources, thereby causing an unacceptable degradation of service;.
- NA (e) Radio equipment incorporates safeguards to ensure that the personal data and privacy of the user and of the subscriber are protected;
- NA (f) Radio equipment supports certain features ensuring protection from fraud;
- C (g) Radio equipment supports certain features ensuring access to emergency services;
- NA (h) Radio equipment supports certain features in order to facilitate its use by users with a disability;
- NA (i) Radio equipment supports certain features in order to ensure that software can only be loaded into the radio equipment where the compliance of the combination of the radio equipment and software has been demonstrated.

Legend

- C = Conform
- NC = Not Conform
- NA = Not applicable (for this equipment)
- NP = Not performed (for this certificate)

- This EU-type examination certificate is limited to the Radio Equipment Directive.
- This EU-type examination certificate is part of the Conformity Assessment procedure Module B, as described in annex III of the Radio Equipment Directive.
- The validity of this EU-type examination certificate is limited to products, which are equal to the one(s) assessed for this EU-type examination.
- When the manufacturer (or holder of this EU-type examination certificate) is placing the listed products on the European market or the countries of the EEA, he is obliged to label the products with the prescribed CE logo. The CE logo stands for conformity to all applicable Directives. Next to the CE logo the manufacturer has to draw up and issue a Declaration of Conformity, declaring that the product(s) described in this EU type-examination certificate, are in compliance with Directive 2014/53/EU and any other applicable EU harmonization legislation.
- 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 EU-type examination certificate.
- In case any referenced standard in this EU-type examination certificate is withdrawn or superseded and the presumption of conformity with the essential requirements has ceased, investigation by Telefication is needed to determine the validity of this EU-type examination.

Remarks and observations

The following conditions are applicable:

- DSC functionality may vary to comply with National Regulations; the device has only TX-functionality.
- MOB category 2 (non self floating).

Documentation lodged for this EU-type examination

Test Reports:

- Ocean Signal Ltd.: TA0003, 15 January 2015
- Ocean Signal Ltd.: TA0006, 23 December 2014
- Ocean Signal Ltd.: EMC006, 19 December 2014
- SIEMIC Nanjing [China] Laboratories: 17050002-CE-R, 08 June 2017
- SIEMIC Nanjing [China] Laboratories: 17050002-CE-E V2, 26 June 2017
- Ocean Signal Ltd.: TA0009, 26 September 2016
- Ocean Signal Ltd.: TA0011, 11 September 2017

Product Documentation:

- Assembly drawings
- Bill of materials
- Block diagram
- Electrical diagrams
- Internal photos
- External photos
- Manual
- Label and label placement
- Risk assessment
- RED declarations

Technical Standards and Specifications

The product is compliant with:

Draft EN 301 489-19	March, 2017	V2.1.0
Draft EN 303 413	March, 2017	V1.1.0
EN 301 489-1	February, 2017	V2.1.1
EN 301 843-1	August, 2012	V1.3.1
EN 303 098	May, 2016	V2.1.1
EN 303 132	March, 2017	V1.1.1
EN 60945	October, 2002	Edition 4
EN 60950-1	2006	
EN 60950-1/A1	March, 2010	
EN 60950-1/A11	March, 2009	
EN 60950-1/A12	February, 2011	
EN 60950-1/A2	August, 2013	
EN 62479	September, 2010	

Technical features and characteristics

The product includes the following features and characteristics:

GPS receiver

- Operating frequency range: 1575.42 MHz

DSC:

- Operating frequency range: 156.525 MHz
- Conducted Output Power: 0.5 W rated

AIS:

- Operating frequency range: 161.975 MHz, 162.025 MHz
- Conducted Output Power: 1 W rated

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

- Product description: Personal Locator Device (MOB)
- Trademark: rescueME
- Type designation: MOB1
- Hardware version: 01.00
- Software version: 01.03



EU Declaration of Conformity (DoC)

Hereby we,

Name of manufacturer: Ocean Signal Ltd.

declare that this DoC is issued under our sole responsibility and that this product:

Product description: Personal Locator Device (MOB)

Type designation(s): MOB1

Trademark: rescueME

Batch / Serial number: _____

Object of the declaration Ocean Signal rescueME MOB1

is in conformity with the relevant Union harmonization legislation:

Radio Equipment directive: 2014 / 53 / EU and other Union harmonization legislation where applicable:

with reference to the following standards applied:

EN303 098 V2.1.1, EN 303 132 V1.1.1 (Tx only)

RTCM SC11900.1 + Amends 1, 2; Annex D,

EN301 843-1 v1.3.1, EN60945 Ed 4.0 (section 12 only),

EN301 489-1 V2.1.1 + -19 V2.1.0, EN303 413 V1.1.0

EN62479:2011, IEC61108-1 Ed 2.0 (part),

EN60950-1:2006 + A11.2009, A1:2010, A12:2011, A2:2013

The Notified Body Telefication B.V., with Notified Body number 0560 performed:
Modules B&C

The issued EU-type examination certificate: 172140393/AA/00

Description of accessories and components, including software, which allow the radio equipment to operate as intended and covered by the DoC: Non Applicable

Signed for and on behalf of:

Margate, 17th October 2017

Place and date of issue

David Sheekey, Product and Approvals Manager



TCB

GRANT OF EQUIPMENT
AUTHORIZATION
Certification
Issued Under the Authority of the
Federal Communications Commission
By:

TCB

Telefication B.V.
Edisonstraat 12a
Zevenaar, NL-6902 PK
Netherlands

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: XYEMOB1
Name of Grantee:
Equipment Class:
Notes:

Grant Notes	FCC Rule Parts	Frequency Range (MHZ)	Output Watts	Frequency Tolerance	Emission Designator
	95K	156.525 - 156.525	0.5	5.0 PM	16K0G1D
	95K	161.975 - 162.025	1.0	500.0 Hz	16K0GXW

Class II change: Power listed is EIRP. Granted pursuant to compliance with RTCM 11901.1 and IEC 60945.

Certificate No.: 182180240/AA/00		
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