

CERTIFICATE

of
EC Type-examination (Module B)

Certificate No: 192120010/AA/00
Product Category: MED/4.32

With respect to Marine Equipment Directive 2014/90/EU and the implementing Regulation (EU) 2019/1397,
Telefication Notified Body 0560 declares that the equipment:

Product description: **Class A AIS Transceiver**
Trademark: --
Type designation: **ATA100**
Hardware / Software version: **01.00 / 01.00**
Variants: **See Annex 3**

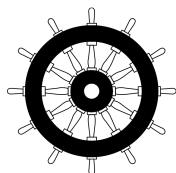
Manufacturer: **Ocean Signal Ltd.**
Address: **Unit 4, Ocivan Way,**
City: **CT9 4NN Margate**
Country: **UNITED KINGDOM**

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

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

Validity of this certificate expires on date: **27 February 2025**
This certificate has THREE Annexes.

Zevenaar, 27 February 2020



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 2014/90/EU and Implementing Regulations, 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 Implementing Regulation may void the validity of this certificate regarding (re)placement of the product onboard ships.

Remarks and observations

The following conditions are applicable:

USCG Approval No: 165.155/EC0560/192120010

U.S. Coast Guard Approval:

The manufacturer is allowed to affix the U.S. Coast Guard approval number as permitted by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" of 27 February 2004, and additional information given by U.S. Coast Guard by e-mail 2010.

ATA100 does not support the optional serial data instrument network according to IEC 61162-3 as well as the optional multiple talkers and multiple listeners ethernet connection according to IEC 61162-450.

Documentation lodged for this EC type-examination

Test Reports:

- TÜV SUD Product Service: 75936860-01, 17 February 2020
- TÜV SUD Product Service: 75936860-02, 17 February 2020
- Federal Maritime and Hydrographic Agency: BSH/454.GNSS/TuevSued_Ltd/ PO2600010516:1, 05 September 2019
- TÜV SUD Product Service: 75936860-03, 31 January 2020
- TÜV SUD Product Service: 75936860-04, 18 December 2019
- TÜV SUD Product Service: 75936860-05, 14 January 2020
- TÜV SUD Product Service: 75936860-06, 20 December 2019
- TÜV SUD Product Service: 75936860-08, 31 January 2020
- TÜV SUD Product Service: 75936860-09, 21 November 2019
- ISVR Consulting, University of Southampton: 10717-R01, 30 August 2019

Product Documentation:

- Assembly drawings
- Bill of materials
- Electrical diagrams
- Internal photos
- External photos
- Manual
- Label and label placement
- Test setup photos

International Instruments and test standards

The equipment complies with:

EN 62311	January, 2008	
IEC 60945	August, 2002	Edition 4
IEC 60945/Corrigendum 1	April, 2008	Edition 4
IEC 61108-1	July, 2003	2nd Ed.
IEC 61162-1	August, 2016	Ed. 5.0
IEC 61162-2	September, 1998	1st Ed.
IEC 61993-2	July, 2018	Ed. 3.0
IEC 62288	July, 2014	Ed. 2.0
IEC 62923-1	August, 2018	Ed. 1.0
IEC 62923-2	August, 2018	Ed. 1.0
IMO Resolution A.694(17)	1991	
ITU-R M.1371-5	February, 2014	
MSC Resolution 191(79)	December, 2004	
MSC Resolution 302(87)	May, 2010	
MSC Resolution 74(69)	May, 1998	

Technical features and characteristics

The product includes the following features and characteristics:

VHF equipment

- Operating frequency range: 156.025 - 162.025 MHz
- Modulation method(s): 16K0GX
- Maximum output power: 12.5 W rated
- DSC Class A

IEEE 802.11 b/g/n (20 MHz)

- Operating frequency range: 2412-2472 MHz (13channels)
- Maximum output power: 21.49 dBm ERP average (calculated)
- Maximum antenna gain: 1.8 dBi

Trademarks and Type designations:

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

- Product description:	Class A AIS Transceiver
- Trademark:	--
- Type designation:	ATA100
- Hardware version:	01.00
- Software version:	01.00

- Product description:	Class A AIS Transceiver
- Trademark:	AISLink
- Type designation:	CA2
- Hardware version:	01.00
- Software version:	01.00