



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)2019/1397
Certificate Holder and Manufacturer	True Heading AB Enhagsvägen 18 187 40 TÄBY Sweden
EC Representative	SRT Marine Systems plc Wireless House, First Avenue Westfield Industrial Estate Midsomer Norton Bath, BA3 4BS United Kingdom
Product(s)	Vision Pro 0015-010-000
Product Sector	Navigation Equipment
Product Type	MED/4.32 Universal Automatic Identification System Equipment (AIS)

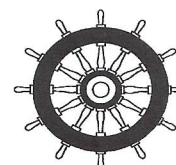
and on the basis of the Technical Data and information detailed in the Annex to this certificate.

Valid from: 03 October 2019


(Tom Twynam)

Expiry Date: 27 June 2021

This certificate has been issued in accordance with the TÜV SÜD Testing and Certification Regulations 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



0168

Issued by TUV SUD BABT under document number BABT-MED000129 Issue 01

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Annex to Marine Equipment Directive Module B Type Examination Certificate



1 Equipment Description

Marine AIS Class A Transceiver

1.1 Models

Model	Description
0015-010-000	Vision Pro AIS Class A Transceiver

1.2 Software ^{Note 1}

Identity	Description
110200.01	AIS modem software
110407.01	MKD software

2 Assessed Requirements

2.1 Implementing Regulation (EU)2019/1397

2.2 Compliance Requirements for MED/4.32 ^{Note 2}

IMO Resolutions	International Testing Standards	
IMO Res. A.694(17)	IEC 60945 (2002) incl. IEC 60945 Corr. 1 (2008)	Maritime navigation and radiocommunication equipment and systems — General requirements
	IEC 61162-1 (2016)	Maritime navigation and radiocommunication equipment and systems — Digital interfaces Part 1: Single talker and multiple listeners
	IEC 61162-2 (1998)	Maritime navigation and radiocommunication equipment and systems — Digital interfaces Part 2: Single talker and multiple listeners, high-speed transmission
	IEC 61162-3 (2008) + A2 (2014)	Maritime navigation and radiocommunication equipment and systems — Digital interfaces Part 3: Serial data instrument network
IMO Res. MSC.74(69) ITU-R M.1371-5 (2014)	IEC 61993-2 (2012)	Maritime navigation and radiocommunication equipment and systems — Automatic Identification System (AIS) Part 2: Class A shipborne equipment of the universal automatic identification system (AIS)
IMO Res. MSC.191(79)	IEC 62288 (2014)	Maritime navigation and radiocommunication equipment and systems — Presentation of navigation-related information on shipborne navigational displays

3 Technical Documentation

3.1 Declaration of Conformity

DofC Vision Pro V1 Modified 2019-09-19

3.2 User Guide

Operation and Installation Manual AIS Vision Pro Modified 2019-09-19
Part No. 201-0954 Revision 1

Annex to Marine Equipment Directive Module B Type Examination Certificate



3.3 Test Reports

3.3.1 IEC 60945 (2002) incl. IEC 60945 Corr. 1 (2008)

75929063 Report 09 Issue 1	Issued	2016-04-05
APO-2854	Issued	2016-03-30
15R174 CR	Issued	2016-01-21
75929063 Report 02 Issue 1	Issued	2015-06-03
5960	Issued	2015-05-19
TRA-024860-43-00A	Issued	2015-03-17

3.3.2 IEC 61162 series

Analysis of IEC61162-1 Ed 5.0 Issue 1	Issued	2019-06-03
Exhibit 24 - NMEA 2000 information	Issued	2016-06-06
BSH/4543/001/4322830/15-1	Issued	2016-03-07

3.3.3 IEC 61993-2 (2012)

BSH/4543/001/4322830/15-1	Issued	2016-03-07
75929063 Report 05 Issue 1	Issued	2015-12-16
75929063 Report 06 Issue 1	Issued	2015-12-16
75929063 Report 07 Issue 1	Issued	2015-12-16
BSH/4542/001/4112945/15	Issued	2015-09-21

3.3.4 IEC 62288 (2014)

75929063 Report 08	Issued	2016-04-05
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3.4 Build Status

3.4.1 Hardware

AIS modem PCA hardware version	5.0	
MKD PCA hardware version	5.0	
Apollo Main PCA, Drawing No. 011-0069 Rev 5	Issued	2015-07-12
Apollo MKD Drawing No. 011-0070 Rev 5	Issued	2015-12-07
Apollo Junction Box, Drawing No. 011-0077 Rev 4	Issued	2015-06-22
Apollo SD Card PCB, Drawing No. 011-0083 Rev 2	Issued	2014-10-20

3.5 Notes

Note 1	This approval remains valid for equipment including subsequent minor software amendments which have been formally accepted in accordance with the TÜV SÜD Testing and Certification Regulations.
Note 2	(EU)2019/1397 gives a last placing on board date of 29/08/2021 for equipment approved against the test standards listed above. See Conditions of Validity.
Note 3	Enabling additional features may invalidate compliance with the Marine Equipment Directive. The manufacturer should be consulted before enabling any additional features.
Note 4	IEC61162-3 (2008) + A2 (2014) Annex A contains details of installation documentation and validation.

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4 U.S. Coast Guard Number

This product has been assigned U.S. Coast Guard Module B number

165.155/EC0168

To note type approval to Module B only as it pertains to obtaining US Coastguard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment", Decision No. 1/2018 signed February 18th, 2019.

5 Conditions of Validity

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: T.D. Twynam

Date: 2019-10-03

Print Name: Tom Twynam

On behalf of TUV SUD BABT