



Marine Equipment Directive Module B Type Examination Certificate

This is to certify that TÜV SÜD BABT did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the Navigation requirements of Marine Equipment Directive 96/98/EC as amended by Commission Directive 2015/559/EU and that the equipment of

Japan Radio Co., Ltd

of
1-1, Shimorenjaku 5-Chome
Mitaka-Shi
Tokyo 181-8510
Japan

known as

JHS-183

conform to the relevant requirements as defined in Marine Equipment Directive
Annex A.1/4.32 Universal Automatic Identification System Equipment (AIS)

as defined in Commission Directive 2015/559/EU

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

Signed: 

Issue Date: 28 June 2016

On Behalf of TÜV SÜD BABT

Number: BABT-MED000029

Issue: 03

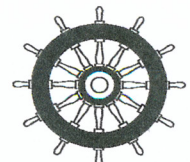
This certificate has been issued in accordance with the Certification Regulations of TÜV SÜD BABT (Notified Body Number 0168) and constitutes page 1 of the combined Certificate and Annex

This certificate is valid from 28 June 2016 until not later than 19 August 2020

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

TÜV SÜD BABT • TÜV SÜD Group

Octagon House • Concorde Way • Fareham • Hampshire • PO15 5RL • United Kingdom



0168

Marine Equipment Directive Module B Type Examination Certificate

Description of Equipment

Automatic Identification System (AIS).

Model: JHS-183

System Components:

AIS Transponder	NTE-183 ^{Note 1}
AIS Controller	NCM-983 ^{Note 1}
AIS Connection Box	NQE-5183
Controller cable	CFQ-9183A

Optional Components:

Power Supply Unit	NBD-577C
Data cable	CFQ-9193A

Software: ^{Note 2}

AIS Transponder NTE-183	Version 2.00
AIS Controller:	
NCM-983 DISP	Version 2.01
NCM-983 LAN	Version 2.00

Compliance Matrix For MED Item A.1/4.32

IMO Resolutions	International Testing Standards	
IMO Res. A.694(17)	IEC 60945 (2002) inc Corr.1	General Requirements for Marine Navigation Equipment (Inc. Corr1:2008)
IMO Res. MSC.74(69) ITU-R M.1371-5	IEC 61993-2 (2001) IEC 61993-2 (2012)	Maritime navigation and radiocommunication equipment and systems — Automatic identification systems (AIS) Part 2
	IEC 61108-1 (2003) ^{Note 3}	Maritime navigation and radiocommunication equipment and systems — Global navigation satellite systems (GNSS) — Part 1: Global positioning system(GPS)
IMO Res. MSC.191(79)	IEC 62288 (2008) IEC 62288 (2014)	Maritime navigation and radiocommunication equipment and systems — Presentation of navigation-related information on shipborne navigational displays
	IEC 61162-1 (2010)	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 61162-450 (2011)	Maritime navigation and radiocommunication equipment and systems — Digital interfaces Part 450: Multiple talkers and multiple listeners — Ethernet interconnection

**Manufacturer:**

Name: As Holder
Address: As Holder

Relevant Technical Documentation**User Guide:**

JHS-183 Instruction.Manual 7ZPJD0553C, dated 2016-06-23
JHS-183 Installation Manual 7ZPJD0557A, dated 2015-07-28

Test report numbers:

IEC 61993-2 (2001) 75918046 Report 01 Issue 1, 2012-09-21
75917591 Report 03 Issue 2, 2012-09-24
IEC 61993-2 (2012) 75928690 Report 01 Issue 1, 2015-07-14
75928362 Report 03 Issue 1, 2015-02-10
IEC 62288 (2008) IEC 62288 JHS-183 Report Issue 1,
2012-09-14
IEC 62288 (2014) JD160524A, 2016-05-24
JD160323A, 2016-03-23
IEC 60945 (2002) 75917591 Report 03 Issue 2, 2012-09-24
inc Corr.1 Z071C-12002 Rev.2.0, 2012-04-16
12-0499(E), 2012-04-26
Operational Inspection Report, 2012-09-14
IEC 61162 75918046 Report 01 Issue 1, 2012-09-21
IEC61162-1 JRC Test Report, 2012-09-21
IEC 61162-450 JHS-183-JD13Z10B, 2013-12-10
IEC 61108-1:2003 JD15130A, 2015-01-30

Approved Hardware :

PCB Layout OutlineDrawing.pdf, 2014-11-27
Parts List: Parts_Listing_for_JHS-183.pdf, 2015-08-07

NOTES:-

- 1 These units may be manually re-configured to allow reduced transmitter output power for ships subject to hazardous loading restrictions whilst in port.
- 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 BAPT.
- 3 The internal GNSS receiver meets a subset of the requirements of IEC 61108-1 as referenced by IEC 61993-2 (2012).

Additional Information:

This approval covers the transponder and controller unit (Minimum keyboard display system) as listed, it does not address the display of AIS targets on Radar, ECDIS or other forms of display.



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" signed February 27th, 2004

Conditions of Validity

This issue of the Annex to the referenced Marine Equipment Module B Certificate relates to Issue 3 of the Certificate.

This certificate will not 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 board 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."

Signed:..... *T. J. Turynan*
on behalf of TÜV SÜD BABT

Date:..... *28th June 2016*