



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 2011/75/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

conforms to the relevant requirements for:

Annex A.1/4.32 Universal Automatic Identification System Equipment (AIS)

as defined in the Marine Equipment Directive and listed in Commission Directive 2011/75/EU

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

Signed:

On Behalf of TÜV SÜD BABT

Issue Date: 05 October 2012

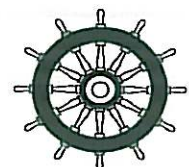
Number: BABT-MED000029 Issue: 01

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 05 October 2012 until not later than 04 October 2017

The Conditions for the validity of this certificate are listed in the Annex.
For further details related to this certification please contact Customer.Services@babt.com

TÜV SÜD BABT • TÜV SÜD Group
Forsyth House • Churchfield Road • Walton-on-Thames • Surrey • KT12 2TD • United Kingdom



0168



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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 1.00
AIS Controller:	
NCM-983 DISP	Version 1.00
NCM-983 LAN	Version 1.00

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.1371-4	IEC 61993-2 (2001)	Maritime navigation and radiocommunication equipment and systems — Automatic identification systems (AIS) Part 2
IMO Res. MSC.191(79)	IEC 62288 (2008)	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

Manufacturer:

Name: As Holder
Address: As Holder



Relevant Technical Documentation

User Guide:	JHS-183 Instruction.Manual 7ZPJD0553, dated 2012-09-05 JHS-183 Procedure Manual 7ZPJD0558, dated 2012-09-07
Test report numbers:	IEC 61993-2 (2001) 75918046 Report 01 Issue 1, 2012-09-21 75917591 Report 03 Issue 2, 2012-09-24 IEC 62288 (2008) IEC 62288 JHS-183 Report Issue 1, 2012-09-14 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
Approved Hardware :	PCB Layout OutlineDrawing.pdf, 2012-08-31 Parts List: JHS-183 Parts Listings.pdf, 2012-09-07

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 BABT.

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 1 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: 
on behalf of TÜV SÜD BABT

Date: 5th October 2012 .