ZERTIFIKAT ◆ CERTIFICATE ◆ 認証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

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 Radiocommunication 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

NCR-333

conforms to the relevant requirements for the following equipment as listed in Marine Equipment Directive:

Annex A.1/5.3 Navtex Receiver

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: T. J. Turgoose Issue Date: 12 May 2016

On Behalf of TÜV SÜD BABT Number: BABT-MED001010 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 12 May 2016 until not later than 11 May 2021

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

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TÜV SÜD BABT • TÜV SÜD Group
Octagon House • Concorde Way • Fareham • Hampshire • PO15 5RL • United Kingdom

Annex to

Marine Equipment Directive Module B Type Examination Certificate

Description of Equipment

Navtex Receiver equipment with dedicated display unit

Model: **NCR-333**

System Components:

GMDSS NAVTEX Receiver 5.7" LCD Display	NCR-333

Optional Components:

Printer Unit	NKG-91 or DPU-414
Power Supply Unit DC/DC	NBG-319[Note 1]
or Power Supply Unit AC/DC	NBG-320
Active Antenna	NAW-333

Software:[Note 2]

Receiver Firmware	Version 3.00

Compliance Matrix For MED Item A.1/5.3

IMO Resolutions	International Testing Standards	
IMO Res. MSC.148(77) ITU-R M. 540-2 ITU-R M. 625-3	IEC 61097-6 Ed.2.1 (2012)	Global maritime distress and safety system (GMDSS) – Part 6: Narrowband direct-printing telegraph equipment for the reception of navigational and meteorological warnings and urgent information to ships (NAVTEX)
	IEC 61162-1 Ed.4 (2010)	Maritime navigation and radiocommunication equipment and systems — Digital interfaces Part 1: Single talker and multiple listeners
IMO Res. A.694(17)	IEC 60945 Ed.4 (2002) (Inc. Corr1:2008)	General Requirements for Marine Navigation Equipment

Manufacturer:

Name: As Holder
Address: As Holder

Relevant Technical Documentation

User Guide: Navtex Receiver NCR-333 Instruction Manual, 7ZPJD0304C, 2013-08-06

Test report numbers: IEC 61097-6 (2012) & IEC 61162-1 (2010):
RM614104/01 Issue 1, 2005-06-24
IEC 61097-6 2nd Edition, 2006-01-10
JD16422A, 2016-04-22
NCR-333 Navtex Receiver, 2006-01-10

IEC 60945 (2002): RM614104/01 Issue 1, 2005-06-24
05-121(E), 2005-06-17
YN0506009-1, 2005-07-15
YN0505002-1, 2005-06-15

Approved Hardware :

Circuit Diagram: NCR-333 NAVTEX RECEIVER
CircuitDiagram.pdf, 2016-04-28

NOTES:-

1 The NBG-319 DC/DC power supply is required to provide the low voltage supply for the external printer.
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.

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:.. T.J. Twyman ..... Date: 12th May 2016...
on behalf of TÜV SÜD BABT