DANAK
PROD Reg.No. 7035
Member of EA MLA

TÜV SÜD
Danmark

Marine Equipment Directive
EC Type Examination Module B Certificate

This is to certify that TÜV SÜD DANMARK ApS 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	**Japan Marina Co., Ltd. 36-2-1001 Udagawa-cho Shibuya-ku Tokyo 150-0042 Japan**
EC Representative	**Günter Lange Weissdornstieg 21B 25469 Halstenbek Germany**
Product(s)	**NT-2000 DEBEG 2902 AE-2000**
Product Sector	**Radiocommunication Equipment**
Product Type	**MED/5.3 NAVTEX Receiver**

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

Valid from: 29 April 2020

T.J. Twynam
(Tom Twynam)

Expiry Date: 31 December 2020

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

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1 Equipment Description

NAVTEX Receiver

1.1 Models

Model	Description
NT-2000	NAVTEX receiver, JMC
DEBEG 2902	NAVTEX receiver, SAM Electronics
AE-2000	NAVTEX receiver, ALDEN

1.1.1 System Components

Model	Description
NT-2000	Main unit
NA-2000	Active antenna, 1.2 m whip

1.1.2 Optional Components

Model	Description
PR-950	Thermal printer
9528	Thermal printer

1.2 Software

Identity	Description
Version 1.3	Main unit software

2 Assessed Requirements

2.1 Implementing Regulation (EU)2019/1397

2.2 Compliance Requirements for MED/5.3 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
IMO Res. MSC.148(77) IMO COMSAR Circ.32 ITU-R M.540-2 ITU-R M.625-4 IMO Res. MSC.302(87)	IEC 61097-6 (2012-01)	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 (2016)	Maritime navigation and radiocommunication equipment and systems — Digital interfaces Part 1: Single talker and multiple listeners

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3 Technical Documentation

3.1 Declaration of Conformity

Draft JMC DoC for NT-2000	Dated	2020-03-10

3.2 User Guide

NT-2000 REF Manual-Ver.1.9	Modified	2015-10-26

3.3 Test Reports

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

BV-NT2000-TA-01	Issued	2005-06-06
05-113(E)	Issued	2005-06-10
203 869 EMC	Issued	2005-09-01

3.3.2 IEC 61097-6 (2012)

T2005005	Issued	2005-10-17
203 869 RADIO	Issued	2005-11-17
203 873 RADIO	Issued	2005-11-17
T2005005-2	Issued	2007-04-16

3.3.3 IEC 61162-1 (2016)

T2015001-1	Dated	2015-02-18

3.4 Build Status

3.4.1 Hardware

NT-2000 Parts List	Modified	2005-11-01
NT-2000_Circuit Diagram	Modified	2006-06-22
NT-2000 PCB Parts Layout	Modified	2020-01-17

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.

4 Additional Information

The products listed on this certificate were originally assessed and certified by Bureau Veritas under Notified Body number 0062. This certificate replaces Bureau Veritas Certificate Number 16005/D0 EC.

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 TÜV SÜD DANMARK ApS or a person appointed by TÜV SÜD DANMARK ApS to perform that role.

Should the specified regulations (internal conventions and the relevant resolutions and circulars of the IMO) or standards be amended and enforced through an Implementing Regulation 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. J. Twynam Date: 29/04/2020

(Tom Twynam)

On behalf of TÜV SÜD DANMARK ApS