EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB0000865

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

that the NAVTEX receiver

with type designation(s)
NT-1800, NAVTEX 2918

issued to
Japan Marina Co., Ltd.
Tokyo, **Japan**

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2024/1975,**
item No. MED/5.3. SOLAS 74 as amended, Regulations IV/7, IV/14 & X/ 3, IMO Res A.694(17), IMO Res. MSC.36(63), IMO Res. MSC.97(73), IMO Res. MSC.148(77), IMO Res. MSC.191(79), MSC.302(87),IMO COMSAR Circ.32, ITU-R M.540-2 (06/90), ITU-R M.625-4 (03/12)

Manufacturers authorised representative
Wärtsilä Voyage GmbH
Hamburg, Germany

Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2030-04-29**.

Issued at **Hamburg** on **2025-04-30**

DNV local unit:
Yokohama

Approval Engineer:
Steinar Kristensen

Notified Body
No.: **0098**

for **DNV SE**

Digitally Signed By: Mydlak-Röder, Christine
Location: DNV SE, Hamburg, Germany

Mydlak-Röder, Christine
Head of Notified Body

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-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.
This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV SE of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.
Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

Product description

The NT-1800 NAVTEX receiver, available as branded variant NAVTEX 2918, consist of the following units:

Unit	Type/Part no.	Comment/ Description	Location
Main Unit	NT-1800	NAVTEX receiver with 5,7" colour LCD display and interfaces: • 24VDC input voltage • Printer (RS-232C) • IEC 61162-1 in/out • Alarm out	Protected
Antenna Unit	NA-2000	Active antenna, 1.2m whip	Exposed
Options			
Power Supply *)	PRO TOP1	100-220VAC input, 24VDC/5A (120W) output	Protected

*) The power supply may be replaced with another power supply approved according to IEC 60945 and with a minimum capacity of 24VDC/5A (120W) output.

Location specifies the location for the units according to IEC 60945 (2002).

Software modules	**Version**
• NT-1800	2.0 Rev.2.x

Application/Limitation

The following applies for the NT-1800 NAVTEX receiver:

- Shall be installed according to manufacturer's Operating, Maintenance & Installation Instructions.
- Operating frequencies: 518 kHz, 490 kHz and 4209.5 kHz
- Modulation method: F1B.

Type Examination documentation

DNV No	Document ID	Rev.	Description
1	203 900 RADIO	2008-04	Report: KENTA electronic, IEC 61097-6 test report for NT-1800 NAVTEX Receiver
2	203 900 EMC/ BV-NT1800-TA-01/ BSH-F2000-TA-01	2008-04	Report: KENTA electronic, EMC and environmental test report for NT-1800 NAVTEX Receiver
3	07-483(E)	2008-01-11	Report: Research Institute of Marine Engineering, Compass Safe Distance test report for NT-1800 NAVTEX Receiver
4	T2015001-1	B	Report: JMC, IEC 61097-6 Am.1 test report for NT-1800 NAVTEX Receiver
7		2020-03-20	Drawing: JMC, Name plate drawing for NT-1800 NAVTEX
14	UM-NT1800-6	1.5	Manual: JMC, Operating, Maintenance & Installation Instructions for Dual Channel NAVTEX Receiver Model NT-1800
18	BSH/454.BAM/001/00001	2024-02-29	Report: BSH, Bridge Alert Management test report for JMC NT-1800 NAVTEX
25	T2025001-1	2025-02-18	Report: JMC, Additional test report for IEC 61097-6 A2 (2019)
27	BSH/454.BAM/001/00002_1	2025-04-10	Report: BSH, IEC 61162-1/-2 (2024) test report for NT-1800 Navtex
28	BSH/454.BAM/001/00002_2	2025-04-24	Report: BSH, IEC 62288 (2021) test report for JMC NT-1800 Navtex
29	TAA00002F2	9	Certificate: DNV, Type Approval certificate for PRO TOP1 DC power supply

Tests carried out

- Performance tests: IEC 61097-6 (2005) incl. A1 (2011) and A2 (2019)
- Environmental tests: IEC 60945 (2002) incl. Corr.1 (2008)
- Interface tests: IEC 61162-1 (2016)
- Presentation of information: IEC 62288 (2021)
- Bridge Alert Management: IEC 62923-1 (2018) and IEC 62923-2 (2018)

Marking of product

The type designation and name and contact address of the manufacturer shall be affixed visibly, legibly and indelibly to the product. In addition the product shall be marked with serial number, safe distance to magnetic compass, power consumption and/or supply voltage.