

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB00005AD
Revision No:
2

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)
NVX-3000

issued to

New Sunrise Co., Ltd.
Suzhou, Jiangsu, China

is found to comply with the requirements in the following Regulations/Standards:

Regulation **(EU) 2023/1667**,

item No. MED/5.3. SOLAS 74 as amended, Regulations IV/7, IV/14 & XI/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)

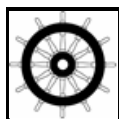
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2029-04-03**.

Issued at **Hamburg** on **2024-04-16**

DNV local unit:
Shanghai

Approval Engineer:
Steinar Kristensen



Notified Body
No.: **0098**

for **DNV SE**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Product description

The NVX-3000 NAVTEX receiver consists of the following units:

| Unit | Type/Part no. | Comment/ Description | Location |
|-----------------|---------------|--|-----------|
| Main Unit | NVX-3000 | Navtex receiver with 7" colour LCD display and the following interfaces: <ul style="list-style-type: none"> • 24V DC input power • Printer • 2x IEC 61162-1 in/ 1x IEC 61162-1 out • Alarm out | Protected |
| Antenna Unit | NXA200 | Loop Antenna, omni-directional | Exposed |
| Options: | | | |
| Power Supply | PS-10 | 24VDC/110VAC/220VAC input, 24VDC Output | Protected |
| Printer | NPT-100 | Thermal printer for NAVTEX messages | Protected |

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

Software modules

- NVX-3000

Version

1.1x

Application/Limitation

- The NVX-3000 NAVTEX receiver shall be installed according to manufacturer's User Manual.
- The NVX-3000 NAVTEX receiver supports the following operating frequencies: 518 kHz, 490 kHz and 4209.5 kHz

Type Examination documentation

| DNV No | Document ID | Rev | Description |
|--------|-------------------------|------------|---|
| 12 | 38731524-A19-013-WT-02 | 2019-07-10 | Report: SiTiiAS, EMC and environmental test report for NVX-3000 NAVTEX Receiver |
| 9 | NSR-NVX3000-TEST190519P | 2019-05-20 | Report: NSR Marine, NVX-3000 NAVTEX Receiver Performance test Report |
| 8 | SR-NVX3000-TEST240205P | 2024-03-27 | Report: NSR Marine, NVX-3000 NAVTEX receiver, BAM and NAVTEX update Test Report |
| 7 | NVX-3000_62288_240206 | 2024-03-21 | Report: NSR Marine, IEC 62288 (2021) test report for NVX-3000 NAVTEX Receiver |
| 6 | NVX-3000 UM.E | 9 | Manual: NSR Marine, User Manual Navtex Receiver NVX-3000 |
| 5 | 68.189.24.0128.01 | 2024-03-08 | Report: TÜV SÜD, Flicker Test Report NVR-3000 and NVX-3000 |

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) and IEC 61162-2 (1998)
- Presentation of information: IEC 62288 (2021)
- Bridge Alert Management: IEC 62923-1 (2018) and IEC 62923-2 (2018)

Marking of product

According to Article 10 of the Council Directive (MED):

- The wheel mark shall be affixed visibly, legibly and indelibly to the product or to its data plate and, where relevant, embedded in its software. Where that is not possible or not warranted on account of the nature of the product, it shall be affixed to the packaging and to the accompanying documents.
- The wheel mark shall be affixed at the end of the production phase.
- The wheel mark shall be followed by the identification number of the notified body, where that body is involved in the production control phase, and by the year in which the mark is affixed.
- The identification number of the notified body shall be affixed by the body itself or, under its instructions, by the manufacturer or the manufacturer's authorised representative.

For specific products, manufacturers may use an appropriate and reliable form of electronic tag instead of, or in addition to, the wheel mark.

Each unit of equipment normally to be installed in a distance of 5 m or less from a standard or a steering magnetic compass shall be clearly marked with the minimum safe distance at which it may be mounted from such compasses. Only for fixed equipment: Alternatively, the minimum safe distance may be given in the equipment manual.