



**Marine & Offshore
Division**

Certificate number: 37423/A0 EC

File number: RAD4/91697/1

Annex A1 Item number: A.1/5.3

*This certificate is not valid when presented without the full
attached schedule composed of 7 sections*

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Notified Body 0062 - MARINE EQUIPMENT DIRECTIVE 96/98/EC

EC TYPE EXAMINATION CERTIFICATE

*as per Module B of European Union Council Directive 96/98/EC on marine equipment
as amended by Commission Directive 2012/32/EU*

This certificate is issued to

New Sunrise Co., Ltd.
Suzhou - CHINA

for the type of product

NAVTEX RECEIVER
NVX-1000
NAVTEX RECEIVER

Requirements:

SOLAS 74 Convention as amended, Regulations IV/7, IV/14 and X/3

IMO Resolution MSC.97(73) (2000 HSC Code) 14

IMO Resolution A.694(17), IMO COMSAR Circ.32, IMO Resolution MSC.148(77)

ITU-R M.540-2 (06/90), ITU-R M.625-3 (10/95) (as well as new version ITU-R M.625-4 (03/12))

IEC 60945 (2002) including IEC 60945 Corrigendum 1 (2008) - IEC 61097-6 ed2.1 Consolidated with am1

This certificate is issued under the French Maritime Authority to attest that BUREAU VERITAS did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Council Directive 96/98/EC of 20 December 1996 as amended.


This certificate will expire on: 29 Aug 2019

For BUREAU VERITAS Notified Body 0062,

At BV SHANGHAI, on 29 Aug 2014,

Jennifer Zhang



This certificate does not allow to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark ) to the products corresponding to this type. To this end, the production-control phase module (D, E or F) of Annex B of the Directive is to be complied with and controlled by a written inspection agreement with a notified body.

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with BUREAU VERITAS. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. BUREAU VERITAS is designated by the French Maritime Authority as a "notified body" under the terms of the French Regulations Division 140 Chapter 140-2. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine & Offshore Division available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

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BV Mod. Ad.E 536 May 2009

This certificate consists of 3 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

The Navtex receiver Type: NVX-1000 consists of the main unit, antenna amplifier and whip antenna.

The equipment comprises:

- radio receivers
- a signal processor
- a dedicated display device
- printer output port
- a non-volatile message memory
- connection to an integrated navigation system (INS).

1.1 Hardware Specifications

1.1.1 - RF receiving part

Receiving Frequencies: 518kHz, 490kHz / 4209.5kHz

1.1.2 - Environmental condition

Operating temperature: -15°C ~ +55°C

Humidity: Up to 93% RH at 40°C temperature

Waterproof grade: IP22 (main unit)

Compass safe distance: 1.15m (standard)

1.1.3 - Power supply

Rating input voltage: DC+24V (DC+12V~ 38V, 10Watts average)

1.1.4 - Antenna amplifier and whip antenna

Type: Whip antenna (NVA100), antenna amplifier (NVA100A),

Frequency: 518kHz, 490kHz, 4209.5kHz

1.1.5 - LCD

Features: 5.7-inch, monochrome,

1.1.6 - Interface

Input data: IEC61162-1, -2

GGA, GLL, RMC, ZDA, ACK, GNS, VHW, VTG, VBW

Output data: NRX, ALR, NRM

Alarm output: Closing, default

2. Software Specifications

Software version: Version 1.X

2. DOCUMENTS AND DRAWINGS:

2.1 - User's Manual ref: NVX-1000 OM.E 20131018-01

2.2 - Drawings N° NVX1000-ID-000, NVX1000-ID-001, NVX1000-ID-002, NVX1000-ID-003, NVX1000-ID-004 dated 10/03/2009

2.3 - Drawings N° NVX1000-MD-001, NVX1000-BK-000 dated 10/03/2009

2.4 - Document ref: NVX-1000 Shell Material Description

2.5 - Drawing No. NVX1000-SW-001 rev.0

3. TEST REPORTS:

3.1 - IEC 60945(2002) test report N° Ship Test 2012-025 issued by the China Shipbuilding Industry Environment and Reliability Test Centre for Electric and Electronic Equipment and dated 31/08/2012.

3.2 - IEC 61097(2012) test report N° NSR-NVX1000-TEST140325 issued by New Sunrise Co., Ltd. and dated 25/04/2014.

Tests were witnessed by BV Surveyor.

4. APPLICATION / LIMITATION:

As per requirements of Regulations stated on front page of this certificate.

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - This certificate alone does not allow the applicant to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module D "Production Quality Assurance" or E "Product Quality Assurance" or F "Product Verification" of Annex B of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.

5.2 - For information concerning the production phase modules, **New Sunrise Co., Ltd.** has declared that the product may be manufactured at the following manufacturing places:

**New Sunrise Co., Ltd.
No.11, Chunwang Road,
Xiangcheng Dist,
Suzhou
CHINA**

6. MARKING OF PRODUCT:

6.1 - Maker's name or trade mark,

- Serial number of the units,
- Equipment type number or model identification under which it was type-tested,
- Minimum safe distance at which the equipment may be mounted from a standard and a steering magnetic compass,

6.2 - Markings as per MED 96/98/EC:

☒ YYYY/XX where YYYY is the number of the Notified Body undertaking surveillance module (when BV, 0062) and where XX are the last two digits of year mark affixed.

6.3 - Alternatively, the marking may be presented on a display at equipment start-up.

6.4 - The title and version of each software element included in the installed software system shall be either marked or displayed on command on the equipment.

6.5 - When the marking and the title and version of the software are displayed only on the display, such information shall also be included in the equipment manual.

7. OTHERS:

This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the Navtex Receiver at any time, and that **New Sunrise Co., Ltd.** will accept the responsibility for informing shipbuilders or their sub-contractors of the proper methods of use and general maintenance of the Navtex Receiver and of the conditions of this approval.

*** END OF CERTIFICATE ***