

CERTIFICATE

of
EC Type-examination (Module B)

Certificate No: 152120001/AA/06
Product Category: MED/5.3

With respect to Marine Equipment Directive 2014/90/EU and the implementing Regulation (EU) 2018/773, Telefication Notified Body 0560 declares that the equipment:

Product description: **NAVTEX receiver with integral printer**
Trademark: **FURUNO**
Family name: **NX-700**
Type designation: **NX-700A**
Software version: **Prog: 0850196-01; Boot: 0850192-01**
Variants: **See Annex 3**

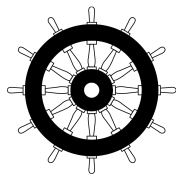
Manufacturer: **Furuno Electric Co., Ltd.**
Address: **9-52 Ashihara cho**
City: **662-8580 Nishinomiya**
Country: **JAPAN**

Complies with the international instruments and test standards as listed in the Annex.
This certificate is granted to:

Name: **Furuno Electric Co., Ltd.**
Address: **9-52 Ashihara cho**
City: **662-8580 Nishinomiya**
Country: **JAPAN**

Validity of this certificate expires on date: **21 April 2020**
This certificate has **THREE** Annexes.

Zevenaar, 16 July 2019



Willem Jan Jong
Manager Product Certification



General conditions

- Each product to which this certificate relates shall be provided with Marine markings. The Marine marking consist of symbol in the form of a wheel followed by the identification number of the responsible Notified Body for module D, E, F or G, and by the last two digits of the number of the year in which the mark is affixed.
- The holder of this Certificate has drawn up a Declaration of conformity to type with Directive 2014/90/EU and Implementing Regulations, declaring that the product(s) described in this EC Type- examination certificate, satisfy the requirements that apply to them.
- Each product shall be identified by means of type, batch and/or serial numbers and the name of the manufacturer and/or importer.
- If the equipment is to be modified, Telefication shall be notified immediately. Depending on the modifications, Telefication may have additional examinations carried out in consultation with the applicant.
- Enforcement of a new Implementing Regulation may void the validity of this certificate regarding (re)placement of the product onboard ships.

Remarks and observations

The following conditions are applicable:

The equipment has been examined by DNV and declared to be in compliance with IEC 61924-2 (Annex K and M), MSC.302(87) and so being BAM-ready.

The equipment has been examined for interworking with Furuno Alarm Unit, model IC-350.

The equipment to which this certificate relates includes the following units or equipment:

- NX-700A: Display unit with integral printer
- NX-700B: Display unit without integral printer
- NX-7001: Receiver unit
- NX-7H: Active ferrite loop antenna
- PR-240: AC Power supply

Documentation lodged for this EC type-examination

Test Reports:

- Telefication B.V.: 99624530, 25 May 2005
- Telefication B.V.: 99770230, 06 July 2006
- Furuno Labotech International Co. Ltd.: FLI 12-05-020, 17 May 2005
- Furuno Labotech International Co. Ltd.: FLI 12-10-018, 26 May 2010
- Furuno Labotech International Co. Ltd.: FLI 12-11-103, 06 October 2011
- Furuno Electric Co., Ltd.: K08-17-161 Rev. 3, 24 March 2014
- Labotech International Co., Ltd.: LIC 01-19-035, 29 May 2019
- Labotech International Co., Ltd.: LIC 01-19-036, 29 May 2019
- Labotech International Co., Ltd.: LIC 12-19-087, 29 May 2019
- Labotech International Co., Ltd.: LIC 12-19-088, 29 May 2019

Product Documentation:

- Assembly drawings
- Bill of materials
- Electrical diagrams
- Internal photos
- External photos
- Manual
- Test setup photos
- Installation manual
- Corrosion waiver

International Instruments and test standards

The equipment complies with:

| | | |
|--------------------------|-----------------|-----------|
| IEC 60945 | August, 2002 | Edition 4 |
| IEC 60945/Corrigendum 1 | April, 2008 | Edition 4 |
| IEC 61097-6 | January, 2012 | Ed. 2.1 |
| IEC 61162-1 | August, 2016 | Ed. 5.0 |
| IEC 61162-2 | September, 1998 | 1st Ed. |
| IMO Resolution A.694(17) | 1991 | |
| ITU-R M.540-2 | June, 1990 | |
| ITU-R M.625-4 | March, 2012 | |
| MSC Resolution 148(77) | June, 2003 | |
| MSC Resolution 302(87) | May, 2010 | |
| MSC Resolution 430(98) | June, 2017 | |

Technical features and characteristics

The product includes the following features and characteristics:

NAVTEX receiving equipment

- Operating frequency range: 518 kHz; 490 kHz; 4209.5 kHz
- Modulation method(s): F1B
- 5-inch monochrome display; Thermal printer (NX-700A)

Trademarks and Type designations:

The product as described in this EC type-examination includes the following type designations:

- Product description: NAVTEX receiver with integral printer
- Trademark: FURUNO
- Family name: NX-700
- Type designation: NX-700A
- Software version: Prog: 0850196-01; Boot: 0850192-01

- Product description: NAVTEX receiver without integral printer
- Trademark: FURUNO
- Family name: NX-700
- Type designation: NX-700B
- Software version: Prog: 0850196-01; Boot: 0850192-01