

CERTIFICATE

of
EC Type-examination (Module B)

Certificate No: 202120004/AA/00

Product Category: MED/5.3

With respect to Marine Equipment Directive 2014/90/EU and the implementing Regulation (EU) 2019/1397, 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: 0850196-02; 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**

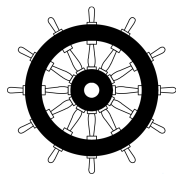
City: **662-8580 Nishinomiya**

Country: **JAPAN**

Validity of this certificate expires on date: **07 April 2025**

This certificate has **THREE** Annexes.

Zevenaar, 07 April 2020



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).

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

IEC 61162-450 is not applicable since the device has no ethernet connection.

IEC 61162-3 is not applicable since the device has no serial connection.

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
- RES Laboratory Ltd.: Test report N 02.20, 25 March 2020

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	Ed. 4.0
IEC 60945/Corrigendum 1	April, 2008	Ed. 4
IEC 61097-6	December, 2005	Ed. 2.0
IEC 61097-6	January, 2012	Ed. 2.1
IEC 61097-6/A2	July, 2019	Ed.2.0
IEC 61162-1	August, 2016	Ed. 5.0
IEC 61162-2	September, 1998	Ed. 1.0
IEC 62288	July, 2014	Ed. 2.0
IEC 62923-1	August, 2018	Ed. 1.0
IEC 62923-2	August, 2018	Ed. 1.0
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: 0850196-02; Boot: 0850192-01

- Product description: NAVTEX receiver without integral printer
- Trademark: FURUNO
- Family name: NX-700
- Type designation: NX-700B
- Software version: Prog: 0850196-02; Boot: 0850192-01