

CERTIFICATE

of
EC Type-examination (Module B)

Certificate No: 172120123/AA/03
Product Category: MED/5.14; MED/5.15

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: **150W GMDSS MF/HF SSB Radiotelephone with integrated Class-A DSC-controller, NBDP terminal and DSC-watchkeeping receiver**

Trademark: **FURUNO**

Type designation: **FS-1575**

Software version: **Trcvr: 0550243-02.xx; ATU: 0550244-01.xx; NBDP: 0550251-02.xx (IB-585), 055209-01.xx (IB-583)**

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**

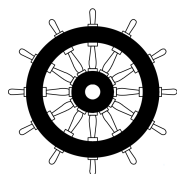
Country: **JAPAN**

Validity of this certificate expires on date: **09 May 2022**

Last date of placement on board: **19 August 2021**

This certificate has **THREE** Annexes.

Zevenaar, 25 June 2020



0560



Willem Jan Jong
Manager Product Certification



PRODUCTS
RvA C 224

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

- FS-2575C: Control Unit
- FS-1575T: Transceiver Unit
- AT-1575-AES: Antenna coupler (acrylonitrile ethylene styrene cabinet)
- AT-1575-SUS: Antenna coupler (austenitic stainless steel cabinet)
- HS-2003: Handset/Bracket
- IC-350: Alarm Unit
- IB-583: Terminal Unit
- IB-585: Terminal Unit
- G84-4100PPAUS: Keyboard
- 5139U: Keyboard (for IB-585)
- PP-510: Printer
- PP-520: Printer
- IF-8500: Printer Interface
- FAX-5: Preamp (2.6m Active whip antenna for Watchkeeping Receiver)
- SEM-21Q: External loudspeaker
- BK-300: BK Interface
- PR-300: AC-DC Power Supply Unit
- PR-240: AC-DC Power Supply Unit
- AS-102: Automatic Antenna Switch
- SKB-E3U: Keyboard

Documentation lodged for this EC type-examination

Test Reports:

- Telefication B.V.: 20114676303 rev 3.0, 01 May 2012
- Telefication B.V.: 20114676304 rev 3.0, 01 May 2012
- Telefication B.V.: 20114676305 rev 3.0, 01 May 2012
- Telefication B.V.: 20104309302, 01 July 2011
- Telefication B.V.: 20104309303, 01 July 2011
- Telefication B.V.: 20104309305, 01 July 2011
- Furuno Labotech International Co. Ltd.: FLI 12-12-014, 29 February 2012
- Furuno Labotech International Co. Ltd.: FLI 12-12-015, 29 February 2012
- Furuno Labotech International Co. Ltd.: FLI 12-11-058 Rev.1, 19 March 2012
- Furuno Labotech International Co. Ltd.: FLI 12-12-017, 29 February 2012
- RES Laboratory Ltd.: N 08.11, 06 May 2011
- RES Laboratory Ltd.: N 08.11 Amd. 1, 06 May 2011
- RES Laboratory Ltd.: N 08.11 Amd. 2, 06 May 2011
- RES Laboratory Ltd.: N 08.11 Amd. 3, 06 May 2011
- RES Laboratory Ltd.: N 09.11, 06 May 2011
- RES Laboratory Ltd.: N 10.11, 06 May 2011
- RES Laboratory Ltd.: N 18.11, 26 December 2011
- RES Laboratory Ltd.: N 19.11, 26 December 2011
- Furuno Labotech International Co. Ltd.: FLI 12-12-081, 05 September 2012
- Labotech International Co., Ltd.: LIC 12-15-129, 19 November 2015
- RES Laboratory Ltd.: N 13.16, 06 September 2016
- Furuno Labotech International Co. Ltd.: LIC 12-18-106, 13 December 2018
- Furuno Labotech International Co. Ltd.: LIC 12-18-109, 13 December 2018
- RES Laboratory Ltd.: N 02.19, 31 January 2019
- Labotech International Co., Ltd.: LIC 12-20-051, 07 May 2020
- Labotech International Co., Ltd.: LIC 12-20-052, 07 May 2020
- Labotech International Co., Ltd.: LIC 12-20-053, 07 May 2020

Product Documentation:

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

International Instruments and test standards

The equipment complies with:

| | | |
|--------------|-----------------|--------|
| EN 300 338-1 | November, 2017 | V1.4.2 |
| EN 300 338-2 | February, 2017 | V1.4.1 |
| EN 300 373-1 | September, 2013 | V1.4.1 |

| | | |
|----------------------------|-----------------|------------|
| EN 301 033 | September, 2013 | V1.4.1 |
| EN 301 843-5 | November, 2017 | V2.2.1 |
| EN 60945 | October, 2002 | Edition 4 |
| ETS 300 067 | November, 1990 | |
| ETS 300 067/A1 | October, 1993 | |
| IEC 60945/Corrigendum 1 | April, 2008 | Edition 4 |
| IEC 61162-1 | August, 2016 | Ed. 5.0 |
| IEC 61162-450:2011+A1:2016 | March, 2016 | Ed. 1.0 A1 |
| IEC 62288 | July, 2008 | Ed. 1.0 |
| IMO Resolution A.694(17) | 1991 | |
| IMO Resolution A.806(19) | 1995 | |
| ITU-R M.1082-1 | October, 1997 | |
| ITU-R M.1173-1 | March, 2012 | |
| ITU-R M.476-5 | 1995 | |
| ITU-R M.491-1 | July, 1986 | |
| ITU-R M.492-6 | October, 1995 | |
| ITU-R M.493-14 | September, 2015 | |
| ITU-R M.541-10 | October, 2015 | |
| ITU-R M.625-4 | March, 2012 | |
| MSC Resolution 36(63) | May, 1994 | |
| MSC Resolution 68(68)/A3 | 1997 | |
| MSC Resolution Cir. 862 | 1998 | |
| MSC.1/Circ. 1460 | June, 2013 | |

Technical features and characteristics

The product includes the following features and characteristics:

MF HF equipment

- Operating frequency range: TX: 1.6 - 27.5 MHz; RX: 0.1 - 30 MHz
- Modulation method(s): J3E, J2B
- Maximum output power: 150W PEP (J3E); 150Wmean (J2B) rated
- DSC Class A and 6-ch scanning watchkeeping receiver; NBDP-operation with optional scanning receiver

Trademarks and Type designations:

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

- Product description: 150W GMDSS MF/HF SSB Radiotelephone with integrated Class-A DSC-controller, NBDP terminal and DSC-watchkeeping receiver
- Trademark: FURUNO
- Type designation: FS-1575
- Software version: Trcvr: 0550243-02.xx; ATU: 0550244-01.xx; NBDP: 0550251-02.xx (IB-585), 055209-01.xx (IB-583)