

# CERTIFICATE

of  
EC Type-examination (Module B)

**Certificate No: 162120005/AA/05**

**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: **500W GMDSS MF/HF SSB Radiotelephone with integrated Class-A DSC-controller, NBDP terminal and DSC-watchkeeping receiver**

Trademark: **FURUNO**

Type designation: **FS-5075**

Software version: **FS-5075: 0550243-02.xx; AT-5075: 0550244-01.xx; IB-583: 0550209-01.xx; IB-585: 0550251-02.xx**

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**

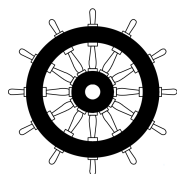
Country: **JAPAN**

Validity of this certificate expires on date: **13 June 2021**

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-5075T: Transceiver Unit
- AT-5075: Antenna coupler
- HS-2003: Handset/Bracket
- IC-350: Alarm Unit
- IB-583: Terminal Unit
- IB-585: Terminal Unit
- 5139U: Keyboard (for IB-585)
- G84-4100PPAUS: Keyboard
- 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-850A: AC-DC Power Supply Unit
- PSM-01: Power Status Monitor
- AS-102: Automatic Antenna Switch
- SKB-E3U: Keyboard

## Documentation lodged for this EC type-examination

### Test Reports:

- Furuno Labotech International Co. Ltd.: FLI 12-11-057, 31 May 2011
- Furuno Labotech International Co. Ltd.: FLI 12-11-058, 02 June 2011
- Furuno Labotech International Co. Ltd.: FLI 12-11-060, 27 May 2011
- 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 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
- RES Laboratory Ltd.: N 08.11 Amd. 3, 06 May 2011
- Furuno Labotech International Co. Ltd.: FLI 12-12-014, 29 February 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 12-11-056, 27 May 2011
- Furuno Labotech International Co. Ltd.: FLI 12-12-015, 29 February 2012
- 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
- Labotech International Co., Ltd.: LIC 12-18-106, 13 December 2018
- Labotech International Co., Ltd.: LIC 12-18-111, 13 December 2018
- RES Laboratory Ltd.: N 02.19, 31 January 2019
- Labotech International Co., Ltd.: LIC 12-20-51, 07 May 2020
- Labotech International Co., Ltd.: LIC 12-20-52, 07 May 2020
- Labotech International Co., Ltd.: LIC 12-20-53, 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	October, 1993	A1
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: 500W PEP (J3E); 500Wmean (J2B) rated
- DSC Class A and 6-ch scanning watchkeeping receiver; NBDP-operation with optional scanning receiver; Full-duplex J3E operation

**Trademarks and Type designations:**

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

- Product description: 500W GMDSS MF/HF SSB Radiotelephone with integrated Class-A DSC-controller, NBDP terminal and DSC-watchkeeping receiver
- Trademark: FURUNO
- Type designation: FS-5075
- Software version: FS-5075: 0550243-02.xx; AT-5075: 0550244-01.xx; IB-583: 0550209-01.xx; IB-585: 0550251-02.xx