telefication bv
The Netherlands
Chamber of Commerce
51565536
www.telefication.com

telefication

CERTIFICATE

of

EC Type-examination (Module B)

Certificate No: 212120003/AA/02

Product Category: MED/5.14

With respect to Marine Equipment Directive 2014/90/EU and the implementing Regulation (EU) 2021/1158, Telefication Notified Body 0560 declares that the equipment:

Product description:	**250W GMDSS MF/HF SSB Radiotelephone with integrated Class-A DSC-controller, NBDP terminal and DSC-watchkeeping receiver**
Trademark:	**FURUNO**
Type designation:	**FS-2575**
Software version:	**FS-2575: 0550243-03.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: **02 June 2026**
Last date of placement on board: **12 August 2023**
This certificate has THREE Annexes.

Apeldoorn, 08 March 2022

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-2575T: 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
- PR-850AR: AC-DC Power Supply Unit
- PSM-01: Power Status Monitor
- AS-102: Automatic Antenna Switch
- SKB-E3U: Keyboard
- SKB-E3UN: Keyboard
- TK-HG01UMBK: Keyboard (without conversion connector)
- TK-HG01UMBK-P: Keyboard (with conversion connector)

EU Authorized representative:
Furuno Europe B.V.
Ridderhaven 19B
2984 BT Ridderkerk

Documentation lodged for this EC type-examination

Test Reports:

- Telefication B.V.: 20104309302, 01 July 2011
- Telefication B.V.: 20104309303, 01 July 2011
- Telefication B.V.: 20114309305, 01 July 2011
- Telefication B.V.: 20104309300, 01 July 2011
- Telefication B.V.: 20104309301, 01 July 2011
- Telefication B.V.: 20104309304, 01 July 2011
- Furuno Labotech International Co. Ltd.: FLI 12-11-056, 27 May 2011
- 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
- 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 12-18-110, 13 December 2018
- RES Laboratory Ltd.: N 02.19, 13 December 2018
- 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
- Labotech International Co., Ltd.: LIC 12-21-069, 14 June 2021
- Labotech International Co., Ltd.: LIC 01-21-038, 14 June 2021
- RES Laboratory Ltd.: N 15.21, 13 September 2021
- Furuno Labotech International Co., Ltd.: FLI 12-06-049, 13 December 2006
- Labotech International Co., Ltd.: LIC 12-20-192, 12 January 2021
- Labotech International Co., Ltd.: LIC 12-20-193, 12 January 2021
- Labotech International Co., Ltd.: LIC 12-20-194, 12 January 2021
- RES Laboratory Ltd.: N 17.21, 27 October 2021

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 61097-3	October, 2017	Ed. 2.0
IEC 61162-1	August, 2016	Ed. 5.0
IEC 61162-450	May, 2018	Ed. 2.0
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	
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	October, 1995	
ITU-R M.491-1	July, 1986	
ITU-R M.492-6	October, 1995	
ITU-R M.493-15	January, 2019	
ITU-R M.541-10	October, 2015	
ITU-R M.625-4	March, 2012	
MSC Resolution 302(87)	May, 2010	
MSC Resolution 36(63)	May, 1994	
MSC Resolution 68(68)/A3	1997	
MSC Resolution 97(73)	December, 2000	
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: 250W PEP (J3E); 250Wmean (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:	250W GMDSS MF/HF SSB Radiotelephone with integrated Class-A DSC-controller, NBDP terminal and DSC-watchkeeping receiver
- Trademark:	FURUNO
- Type designation:	FS-2575
- Software version:	FS-2575: 0550243-03.xx; AT-5075: 0550244-01.xx; IB-583: 0550209-01.xx; IB-585: 0550251-02.xx