

CERTIFICATE

of
EC Type-examination (Module B)

Certificate No: 172120123/AA/00

Product Category: A.1/5.14; A.1/5.15

With respect to Marine Equipment Directive 2014/90/EU and the implementing Regulation (EU) 2017/306, 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)**

Variants: --

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**

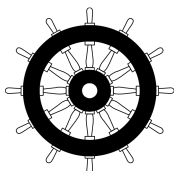
City: **662-8580 Nishinomiya**

Country: **JAPAN**

Validity of this certificate expires on date: **21 March 2019**

This certificate has **THREE** Annexes.

Zevenaar, 09 May 2017



Marcus Jansen
Senior Product Assessor



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 amending Directives, 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 amending directive voids the validity of this certificate for (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

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

Product Documentation:

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

International Instruments and test standards

The equipment complies with:

EN 300 338-1	February, 2010	V1.3.1
EN 300 338-2	February, 2010	V1.3.1
EN 300 373-1	September, 2013	V1.4.1
EN 301 033	September, 2013	V1.4.1
EN 301 843-5	June, 2004	V1.1.1
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	November, 2010	Ed. 4.0
IEC 61162-450	June, 2011	Ed. 1.0

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)