

Certificate

Of

EC Type-examination (Module B)

Certificate No.: 11212002/AA/05

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

With respect to Marine Equipment Directive 96/98/EC and the amending Directive 2013/52/EU, Telefication 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**
Family name: --
Type designation: **FS-5075**
Serial No: --
Software release No: **FS-5075: 0550243-01.xx; AT-5075: 0550244-01.xx; IB-583: 0550209-01.xx; IB-585: 0550251-01.xx**

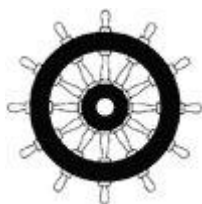
Manufacturer: **Furuno Electric Co., Ltd.**
Address: **9-52 Ashihara cho**
City: **662-8580 Nishinomiya**
Country: **Japan**

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 is 5 years; **Expiry date: 07 July 2016**
This certificate has THREE Annexes.

Zevenaar, 11 December 2014



i.o. 

W.J.M. 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 96/98/EC 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-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

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

Product Documentation:

- Assembly drawings; - Bill of materials; - Block diagram; - Electric diagrams; - Photos
- User manual; - Installation manual; - Corrosion test 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: January, 2011, V1.3.1
- EN 300 373-1: September, 2013, V1.4.1
- EN 301 033: September, 2010, V1.3.1
- 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: October, 1993, A1
- IEC 60945/Corrigendum 1: April, 2008, Edition 4
- IEC 61162-1: November, 2010, Ed. 4.0
- 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.493-13: October, 2009
- ITU-R M.541-9: May, 2004
- ITU-R M.625-4: March, 2012
- MSC Resolution 36(63): May, 1994
- MSC Resolution 68(68)/A3: 1997
- MSC Resolution Cir. 862: 1998

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: 0550243-01.xx; AT-5075: 0550244-01.xx; IB-583: 0550209-01.xx; IB-585: 0550251-01.xx