

QS - CERTIFICATE OF ASSESSMENT - EC (MODULE D)

Certificate No:
MEDD00002CD
Revision No:
4

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV AS under the authority of the Government of Norway.

This is to certify:

That the Quality System for the products

with type designation(s) as specified in the Appendix to this Certificate

Issued to

Furuno Electric Co., Ltd.
Nishinomiya, Hyogo Pref, Japan

is found to comply with the applicable requirements.

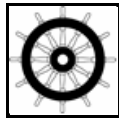
The quality system has been assessed with respect to the procedure of conformity assessment described in Annex II, Module D in the directive 2014/90/EU and regulation (EU) 2022/1157.

This Certificate is valid until **2028-02-16**.

Issued at **Høvik** on **2023-08-23**

DNV local unit:
Japan FiS

Approval Engineer:
Steinar Kristensen

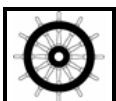


for **DNV AS**

Notified Body
No.: **0575**

Sverre Olav Bergli
Head of Notified Body

The manufacturer is allowed to affix the U.S. Coast Guard approval number(s) as stated in the appendix attached hereto and as allowed by the "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005, and amended by Decision No 1/2019 dated February 22nd, 2019.



0575/yyyy

0575: Notified Body number undertaking quality surveillance
yyyy: The year in which the mark is affixed



The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU. This certificate authorizes the manufacturer in conjunction with the valid EC Type Examination (Module B) Certificate(s) of the equipment listed before to affix the Mark of Conformity (wheelmark) to the product described herein. This certificate loses its validity if the manufacturer makes any changes to the approved quality system which have not been notified to and agreed with the notified body named on this certificate. This certificate remains valid unless suspended, withdrawn, recalled or cancelled. The Manufacturer has to apply for periodical audits to verify the maintenance and application of the quality system every 12 months.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



APPENDIX

Item no. MED/4.16, MED/4.40 Heading control system (HCS) and Heading control system for high speed craft

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
NAVpilot-1000 ¹	MEDB00007SD	2025-07-01	0575	165.110, 165.210/EC0575 /MEDB00007SD

Item no. MED/4.29 Voyage data recorder (VDR)

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
VR-7000 ^{1,2}	MEDB000039E Rev.6	2024-06-11	0575	165.150/EC0575 /MEDB000039E Rev.6

Item no. MED/4.30 Electronic chart display and information system (ECDIS)

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
FMD-3005 ^{1,2}	MEDB00008HE	2024-01-01	0575	165.123, 165.124/EC0575 /MEDB00008HE
FMD-3100 ^{1,2}	MEDB00001MN Rev.4	2024-01-01	0575	165.123, 165.124/EC0575 /MEDB00001MN Rev.4
FMD-3200/3200-BB/FMD-3300 ^{1,2}	MEDB00001AV Rev.11	2024-01-01	0575	165.123, 165.124/EC0575 /MEDB00001AV Rev.11

Item no. MED/4.32 Universal automatic identification system (AIS)

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
FA-170 ^{1,2}	MEDB00000EV Rev.3	2025-07-01	0575	165.155/EC0575 /MEDB00000EV Rev.3

Item no. MED/4.33 Track control system (TCS)

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
TC-3001 R-A ^{1,2}	MEDB00003HC Rev.2	2027-10-19 ^{a)}	0575	165.112/EC0575 /MEDB00003HC Rev.2
TC-3001 TKC ^{1,2}	MEDB000045U Rev.1	2027-04-26 ^{a)}	0575	165.112/EC0575 /MEDB000045U Rev.1
TC-3001 YDK ^{1,2}	MEDB00000S4 Rev.3	2026-10-06 ^{a)}	0575	165.112/EC0575 /MEDB00000S4 Rev.3
TC-3001 EMRI ^{1,2}	MEDB00000AJ Rev.3	2025-07-01	0575	165.112/EC0575 /MEDB00000AJ Rev.3

Item no. MED/4.37 Radar equipment for high speed craft applications (CAT 1H and CAT 2H)

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
FAR-1518(-BB)/FAR-1528(-BB) HSC ^{1,2}	MEDB00000FD Rev.5	2026-08-22 ^{b)}	0575	165.217/EC0575 /MEDB00000FD Rev.5

Item no. MED/4.41 Transmitting heading device THD (GNSS method)

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
GS-100 ¹	MEDB000039H Rev.4	2025-07-01	0575	165.102/EC0575 /MEDB000039H Rev.4
SC-70 and SC-130 ¹	MEDB00001BY Rev.2	2025-07-01	0575	165.102/EC0575 /MEDB00001BY Rev.2

Item no. MED/4.47 Simplified voyage data recorder (S-VDR)

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
VR-7000S ^{1,2}	MEDB00001MR Rev.9	2024-06-06	0575	165.151/EC0575 /MEDB00001MR Rev.9

Item no. MED/4.57 Bridge Navigational Watch Alarm System (BNWAS)

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
BR-500 ¹	MEDB000011T Rev.2	2026-03-02 ^{a)}	0575	165.142/EC0575 /MEDB000011T Rev.2

^{a)} According to Commission Implementing Regulation (EU) 2022/1157, the last date for placing on board a vessel for this product is 2025-07-01.

^{b)} According to Commission Implementing Regulation (EU) 2022/1157, the last date for placing on board a vessel for this product is 2024-01-01.

Item no. MED/4.59 Integrated navigation system (INS)

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
Furuno Voyager INS ^{1,2}	MEDB00001G6 Rev.3	2024-01-01	0575	N/A

Item no. MED/4.6 Echo-sounding equipment

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
FE-800 ^{1,2}	MEDB000039F Rev.1	2026-06-02	0575	165.107/EC0575 /MEDB000039F Rev.1

Item no. MED/4.63 GNSS Equipment

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
GP-170 ¹	MEDB000039D Rev.6	2025-07-01	0575	165.130, 165.131, 165.132, 165.133/EC0575 /MEDB000039D Rev.6
SC-70 and SC-130 ¹	MEDB00001BW Rev.2	2025-07-01	0575	165.130/EC0575 /MEDB00001BW Rev.2

Item no. MED/4.64 Radar equipment

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number *
FAR-1518(-BB)/FAR-1528(-BB) ^{1, 2}	MEDB00000FC Rev.8	2026-08-17 ^{o)}	0575	165.116, 165.117/EC0575 /MEDB00000FC Rev.8
FAR-2218, FAR-2218-BB, FAR-2228, FAR-2228-BB, FAR-2228-NXT, FAR-2228-NXT-BB, FAR-2238S, FAR-2238S-BB, FAR-2238S-NXT, FAR-2238S-NXT-BB, FAR-2318, FAR-2328, FAR-2328W, FAR-2328-NXT, FAR-2338-SW, FAR-2338S, FAR-2338S-NXT, FAR-2018-MARK-2, FAR-2028-MARK-2 ^{1, 2}	MEDB00002AU Rev.9	2024-01-01	0575	165.115,165.116, 165.117,165.216, 165.217/EC0575 /MEDB00002AU Rev.9
FAR-3015, FAR-3025, FAR-3035S, FAR-3035S-NXT, FAR-3025-NXT ^{1, 2}	MEDB00008HF	2024-01-01	0575	165.115, 165.116, 165.216, 165.217/EC0575 /MEDB00008HF
FAR-3210, FAR-3210-BB, FAR-3220, FAR-3220-BB, FAR-3310, FAR-3320, FAR-3320W, FAR-3220W-BB, FAR-3330SW, FAR-3230SW-BB, FAR-3230S, FAR-3230S-BB, FAR-3330S, FAR-3230S-SSD, FAR-3230S-SSD-BB, FAR-3330S-SSD, FAR-3220-NXT, FAR-3220-NXT-BB, FAR-3320-NXT ^{1, 2}	MEDB00001BE Rev.10	2024-01-01	0575	165.115, 165.116, 165.216, 165.217/EC0575 /MEDB00001BE Rev.10

* According to the "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005, and amended by Decision No 1/2019 dated February 22nd, 2019, Radar equipment used with ARPA (CAT 1), ATA (CAT 2) and EPA (CAT 3) must have separate EU and USA certifications.

Item no. MED/4.7 Speed and distance measuring equipment (SDME)

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
GS-100 ¹	MEDB000039C Rev.4	2025-07-01	0575	165.105/EC0575 /MEDB000039C Rev.4
DS-85 Doppler Speed Log ^{1, 2}	MEDB000052F	2025-02-02	0575	165.105/EC0575 /MEDB000052F
DS-60 ²	MEDB000008R Rev.4	2024-07-30	0575	165.105/EC0575 /MEDB000008R Rev.4

Item no. MED/4.9 Rate-of-turn indicator (ROTI)

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
SC-70 and SC-130 ¹	MEDB00001BX Rev.2	2025-07-01	0575	165.106/EC0575 /MEDB00001BX Rev.2

^{o)} According to Commission Implementing Regulation (EU) 2022/1157, the last date for placing on board a vessel for this product is 2024-01-01.

Item no. MED/5.1 VHF radio installation capable of transmitting and receiving DSC and radiotelephony

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
FM-8900S ²	222120007/AA/02	2027-04-01	0063	N/A

Item no. MED/5.13 Inmarsat-C SES

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
FELCOM18 ²	222120009/AA/00	2027-03-08	0560	N/A

Item no. MED/5.14 MF/HF radio capable of transmitting and receiving DSC, NBDP and radiotelephony

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
FS-1575 ²	222120001/AA/01	2027-03-08	0063	N/A
FS-2575 ²	212120003/AA/03	2026-06-02	0063	N/A
FS-5075 ²	212120004/AA/03	2026-06-02	0063	N/A

Item no. MED/5.15 MF/HF DSC watch-keeping receiver

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
FS-1575 ²	222120008/AA/01	2027-03-08	0063	N/A
FS-2575 ²	212120011/AA/02	2026-06-02	0063	N/A
FS-5075 ²	212120012/AA/02	2026-06-02	0063	N/A

Item no. MED/5.2 VHF DSC watch-keeping receiver

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
FM-8900S ²	222120010/AA/02	2027-04-01	0063	N/A

Item no. MED/5.3 NAVTEX receiver

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
NX-900 ²	MEDB000087C	2028-08-09	0575	N/A
NX-700 ²	202120004/AA/02	2025-04-07	0063	N/A

Item no. MED/5.4 EGC receiver

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
FELCOM18 ²	222120006/AA/00	2027-03-08	0560	N/A



Job Id: **344.1-012390-3**
Certificate No: **MEDD00002CD**
Revision No: **4**

Places of production

- 1.FURUNO DONGGUAN CO., LTD., 246, CHANGANBUBUGAO ROAD,CHANGAN, DONGGUAN CITY, China
- 2.Furuno Electric Co., Ltd. Miki Factory, 1 Tomoe,, Bessho-cho, Miki-city, Japan