QS - CERTIFICATE OF ASSESSMENT (MODULE D)

Certificate No:
MERD00002CD
Revision No:
2

This Certificate is issued by DNV UK Limited based on authorisation of the Maritime & Coast Guard Agency (MCA) as an UK Approved Body to undertake conformity assessments on marine equipment in accordance with the requirements of the Merchant Shipping (Marine Equipment) Regulations 2016 as amended.

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, **Japan**

is found to comply with the applicable requirements.
The quality system has been assessed with respect to the procedure of Module D conformity assessment as referred to in the Merchant Shipping (Marine Equipment) Regulations 2016 and regulation MSN 1874 Amendment 7.

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

Issued at **London** on **2023-10-09**

DNV local unit:
Kobe

Approval Engineer:
Steinar Kristensen

Approved Body No.: **0097**

for **DNV UK Ltd.**

Digitally Signed By: Mydlak-Röder, Christine

Christine Mydlak-Röder
MER Service Responsible

0097/(yy)yy

Example for the “Mark of Conformity”:
0097: number of the Approved Body responsible for quality surveillance module
(yy)yy: year in which the mark is affixed.

Maritime & Coastguard Agency

UK Approved Body Authorised by the MCA

The product liability tests with the manufacturer or his representative in accordance with the Merchant Shipping (Marine Equipment) Regulations 2016.
This certificate provides the basis for the manufacturer or (if applicable) their authorised representative established within the United Kingdom in conjunction with the UK TYPE EXAMINATION (MODULE B) CERTIFICATE of the equipment listed in the scope to affix the “Mark of Conformity” (‘Red Ensign Mark’).
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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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. UK/4.16, UK/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.
NAVpilot-1000[1]	MERB00007SD Rev. 0	2028-01-24	0097

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

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.
VR-7000[1,2]	MERB000039E Rev. 1	2024-06-11	0097

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

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.
FMD-3100[2,1]	MERB00001MN Rev. 1	2024-01-01	0097
FMD-3200/3200-BB/FMD-3300[1,2]	MERB00001AV Rev. 1	2024-01-01	0097
FMD-3005[1,2]	MERB00008HE Rev. 0	2024-01-01	0097

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

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.
FA-170[1,2]	MERB00000EV Rev. 1	2025-07-01	0097

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

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.
TC-3001 TKC[1,2]	MERB000045U Rev. 0	2027-04-26	0097
TC-3001 YDK[1,2]	MERB00000S4 Rev. 0	2026-10-06	0097
TC-3001 EMRI[1,2]	MERB00000AJ Rev. 0	2025-07-01	0097
TC-3001 R-A[1,2]	MERB00003HC Rev. 0	2027-10-19	0097

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

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.
GS-100[1]	MERB000039H Rev. 1	2025-07-01	0097
SC-70 and SC-130 [1]	MERB00001BY Rev. 1	2025-07-01	0097

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

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.
VR-7000S[2,1]	MERB00001MR Rev. 1	2024-06-06	0097

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

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.
BR-500[1]	MERB000011T Rev. 0	2026-03-02	0097

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

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.
Furuno Voyager INS[1,2]	MERB00001G6 Rev. 0	2024-06-12	0097

Item no. UK/4.6 Echo-sounding equipment

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.
FE-800[1,2]	MERB000039F Rev. 0	2026-06-02	0097

Item no. UK/4.63 GNSS Equipment

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.
GP-170 [1]	MERB000039D Rev. 1	2025-07-01	0097
SC-70 and SC-130[1]	MERB00001BW Rev. 1	2025-07-01	0097

Item no. UK/4.64 Radar equipment

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.
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]	MERB00001BE Rev. 1	2024-01-01	0097
FAR-3015, FAR-3025, FAR-3035S, FAR-3035S-NXT, FAR-3025-NXT[1,2]	MERB00008HF Rev. 0	2024-01-01	0097
FAR-1518(-BB)/FAR-1528(-BB)[2,1]	MERB00000FC Rev. 0	2026-08-17	0097
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]	MERB00002AU Rev. 1	2024-01-01	0097

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

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.
DS-60[2]	MERB000008R Rev. 0	2024-07-30	0097
DS-85 Doppler Speed Log[1,2]	MERB000052F Rev. 0	2025-02-02	0097
GS-100[1]	MERB000039C Rev. 1	2025-07-01	0097

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

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.
SC-70 and SC-130[1]	MERB00001BX Rev. 1	2025-07-01	0097

Item no. UK/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.
FM-8900S[2]	MERB0000896 Rev. 1	2028-01-12	0097

Item no. UK/5.13 Inmarsat-C SES

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.
FELCOM18[2]	MERB0000894 Rev. 1	2028-01-16	0097

Item no. UK/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.
FS-1575[2]	MERB0000898 Rev. 1	2028-08-12	0097
FS-2575[2]	MERB000089A Rev. 1	2028-08-12	0097
FS-5075[2]	MERB000089C Rev. 1	2028-08-12	0097

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

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.
FS-1575[2]	MERB0000899 Rev. 1	2028-08-12	0097
FS-2575[2]	MERB000089B Rev. 1	2028-08-12	0097
FS-5075[2]	MERB000089D Rev. 1	2028-08-12	0097

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

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.
FM-8900S[2]	MERB0000897 Rev. 1	2028-01-12	0097

Item no. UK/5.3 NAVTEX receiver

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.
NX-700A, NX-700B[2]	MERB000089E Rev. 0	2028-01-17	0097
NX-900[2]	MERB000087C Rev. 0	2028-08-09	0097

Item no. UK/5.4 EGC receiver

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.
FELCOM18[2]	MERB0000895 Rev. 1	2028-01-16	0097

Places of production

1. FURUNO DONGGUAN CO., LTD., 246，CHANGANBUBUGAO ROAD,CHANGAN, DONGGUAN CITY, China

2. Furuno Electric Co., Ltd. Miki Factory, 1 Tomoe, 673-0443 Miki-city, Japan