QS - CERTIFICATE OF ASSESSMENT (MODULE D)

Certificate no.:
MERD00002CD
Revision no.:
6

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 conformity assessment described in Annex II, **D** in the Merchant Shipping (Marine Equipment) Regulations 2016 Annex II and regulation (UK) MSN 1874 Amendment 10.

Date of issue: **2025-04-17**

Expiry date: **2028-02-16**

DNV local unit:
Japan CMC

Approval Engineer:
Steinar Kristensen

Approved Body No:: 0097

for **DNV UK Ltd.**

Digitally Signed By:
Christine Mydlak-Röder

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 approved 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.

The reference to Module B certificate(s) relate to the revision of the certificate valid at the time of issue of this Module D/E certificate. This module D/E certificate is valid for later revisions of DNV Module B certificate(s) until their expiration date or within the validity dates of this Module D/E certificate, whichever is less. A new Module B certificate will be required when a modification of a product covered by a Module B certificate is of such extent that a new conformity assessment is required by Merchant Shipping (Marine Equipment) Regulations 2016. For Non-DNV Module B certificates, only the revision stated in this Module D/E certificate is regarded valid.

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 USD 300 000.

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

Type designation	Type-Examination Certificate no.	Expiry date	Approved Body no.	USCG approval number	Places of production
NAVpilot-1000	MERB00007SD	2028-01-24	0097	N/A	1

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

Type designation	Type-Examination Certificate no.	Expiry date	Approved Body no.	USCG approval number	Places of production
VR-7000	MERB000039E	2029-05-06	0097	N/A	1,2

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

Type designation	Type-Examination Certificate no.	Expiry date	Approved Body no.	USCG approval number	Places of production
FMD-3100	MERB00001MN	2028-10-11	0097	N/A	1,2
FMD-3200/3200-BB/FMD-3300	MERB00001AV	2028-10-11	0097	N/A	1,2
FMD-3005	MERB00008HE	2026-08-20	0097	N/A	1,2

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

Type designation	Type-Examination Certificate no.	Expiry date	Approved Body no.	USCG approval number	Places of production
FA-170	MERB00000EV	2026-01-18	0097	N/A	1,2

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

Type designation	Type-Examination Certificate no.	Expiry date	Approved Body no.	USCG approval number	Places of production
TC-3001 EMRI	MERB00000AJ	2027-10-25	0097	N/A	1,2
TC-3001 R-A	MERB00003HC	2027-10-19	0097	N/A	1,2
TC-3001 TKC	MERB000045U	2027-04-26	0097	N/A	1,2
TC-3001 YDK	MERB00000S4	2026-10-06	0097	N/A	1,2

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

Type designation	Type-Examination Certificate no.	Expiry date	Approved Body no.	USCG approval number	Places of production
SC-70 and SC-130	MERB00001BY	2026-01-07	0097	N/A	1
GS-100	MERB000039H	2028-01-29	0097	N/A	1

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

Type designation	Type-Examination Certificate no.	Expiry date	Approved Body no.	USCG approval number	Places of production
VR-7000S	MERB00001MR	2029-05-06	0097	N/A	1,2

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

Type designation	Type-Examination Certificate no.	Expiry date	Approved Body no.	USCG approval number	Places of production
BR-500	MERB000011T	2026-03-02	0097	N/A	1

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

Type designation	Type-Examination Certificate no.	Expiry date	Approved Body no.	USCG approval number	Places of production
Furuno Voyager INS	MERB00001G6	2029-05-07	0097	N/A	1,2

Item no. UK/4.6 Echo-sounding equipment

Type designation	Type-Examination Certificate no.	Expiry date	Approved Body no.	USCG approval number	Places of production
FE-800	MERB000039F	2026-06-02	0097	N/A	1,2

Item no. UK/4.63 GNSS Equipment

Type designation	Type-Examination Certificate no.	Expiry date	Approved Body no.	USCG approval number	Places of production
SC-70 and SC-130	MERB00001BW	2026-01-07	0097	N/A	1
GP-170	MERB000039D	2025-07-01	0097	N/A	1

Item no. UK/4.64 Radar equipment

Type designation	Type-Examination Certificate no.	Expiry date	Approved Body no.	USCG approval number	Places of production
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	MERB00001BE	2026-08-26	0097	N/A	1,2
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-2338SW, FAR-2338S, FAR-2338S-NXT, FAR-2018-MARK-2, FAR-2028-MARK-2	MERB00002AU	2026-08-29	0097	N/A	1,2
FAR-1518(-BB)/FAR-1528(-BB)	MERB00000FC	2026-08-17	0097	N/A	1,2
FAR-3015, FAR-3025, FAR-3035S, FAR-3035S-NXT, FAR-3025-NXT	MERB00008HF	2026-08-22	0097	N/A	1,2

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

Type designation	Type-Examination Certificate no.	Expiry date	Approved Body no.	USCG approval number	Places of production
DS-85 Doppler Speed Log	MERB000052F	2029-10-21	0097	N/A	1,2

Type designation	Type-Examination Certificate no.	Expiry date	Approved Body no.	USCG approval number	Places of production
DS-60	MERB000008R	2029-04-11	0097	N/A	2
GS-100	MERB000039C	2028-01-29	0097	N/A	1

Item no. UK/4.9 Rate-of-turn indicator

Type designation	Type-Examination Certificate no.	Expiry date	Approved Body no.	USCG approval number	Places of production
SC-70 and SC-130	MERB00001BX	2026-01-07	0097	N/A	1

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

Type designation	Type-Examination Certificate no.	Expiry date	Approved Body no.	USCG approval number	Places of production
FM-8900S	MERB0000896	2028-01-12	0097	N/A	2

Item no. UK/5.13 Inmarsat-C SES

Type designation	Type-Examination Certificate no.	Expiry date	Approved Body no.	USCG approval number	Places of production
FELCOM18	MERB0000894	2028-01-16	0097	N/A	2
FELCOM20	MERB00008BV	2030-03-27	0097	N/A	2

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

Type designation	Type-Examination Certificate no.	Expiry date	Approved Body no.	USCG approval number	Places of production
FS-1575	MERB0000898	2028-08-12	0097	N/A	2
FS-2575	MERB000089A	2028-08-12	0097	N/A	2
FS-5075	MERB000089C	2028-08-12	0097	N/A	2

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

Type designation	Type-Examination Certificate no.	Expiry date	Approved Body no.	USCG approval number	Places of production
FS-1575	MERB0000899	2028-08-12	0097	N/A	2
FS-2575	MERB000089B	2028-08-12	0097	N/A	2
FS-5075	MERB000089D	2028-08-12	0097	N/A	2

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

Type designation	Type-Examination Certificate no.	Expiry date	Approved Body no.	USCG approval number	Places of production
FM-8900S	MERB0000897	2028-01-12	0097	N/A	2

Item no. UK/5.3 NAVTEX receiver

Type designation	Type-Examination Certificate no.	Expiry date	Approved Body no.	USCG approval number	Places of production
NX-900	MERB000087C	2028-08-09	0097	N/A	2
NX-700A, NX-700B	MERB000089E	2028-01-17	0097	N/A	2

Item no. UK/5.4 EGC receiver

Type designation	Type-Examination Certificate no.	Expiry date	Approved Body no.	USCG approval number	Places of production
FELCOM18	MERB0000895	2028-01-16	0097	N/A	2
FELCOM20	MERB000087D	2030-03-26	0097	N/A	2

Places of production

1 FURUNO DONGGUAN CO., LTD., China
2 Furuno Electric Co., Ltd. Miki Factory, 1 Tomoe, Bessho-cho, Miki-city, 673-0443, Japan