

Certificate

Production Quality System

MODULE D

Certificate No. P 112 (Issue 55)

Telefication, operating as Notified Body under the Directive 2014/90/EU, hereby declares that the produced products of the company:

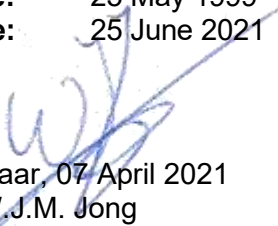
**Furuno Electric Co. Ltd.
Nishinomiya
Hyogo Pref.
Japan**

comply with the certification criteria as laid down in RD_040 and RD_041 implementing the Production Quality System requirements of the **Marine Equipment Directive 2014/90/EU**.

The certification covers the Production Quality System as well as the specified product categories as described in annex 1, provided with this certificate.

Date of issue: 07 April 2021
Date of first issue: 25 May 1999
Expiration date: 25 June 2021

 0560


Zevenaar, 07 April 2021
W.J.M. Jong
Manager Product Certification

Item	Module B certificate data				
	Registration No.	Date of issue	Date of expiry	Notified Body	USCG approval No.
	USCG approval No.				
MED/5.3	NAVTEX receiver NX-700 #	202120004/AA/01	Dec 11, 2020	Apr 7, 2025	0560
MED/5.14 MED/5.15	500W GMDSS MF/HF SSB Radiotelephone with integrated Class-A DSC-controller, NBDP terminal and DSC-watch keeping receiver FS-5075 *	162120005/AA/05	Jun 25, 2020	Jun 13, 2021	0560
MED/5.14 MED/5.15	250W GMDSS MF/HF SSB Radiotelephone with integrated Class-A DSC-controller, NBDP terminal and DSC-watch keeping receiver FS-2575 *	162120004/AA/05	Jun 29, 2020	Jun 09, 2021	0560
MED/5.13 MED/5.4	Inmarsat-C satellite earth station Felcom 18 *	172120124/AA/05	Jun 25, 2020	May 09, 2022	0560
MED/5.1 MED/5.2	VHF radiotelephone with integrated DSC & ch70 watch keeping receiver FM-8900S Σ	172120125/AA/03	Feb 14, 2019	May 09, 2022	0560
MED/5.14 MED/5.15	150W GMDSS MF/HF SSB Radiotelephone with integrated Class-A DSC-controller, NBDP terminal and DSC-watchkeeping receiver FS-1575 *	172120123/AA/03	Jun 25, 2020	May 09, 2022	0560
MED/4.14	GPS Equipment				
	GP-170 #	MEDB000039D 165.130/EC0575/ MEDB000039D/EC0560	Feb 01, 2021	May 07, 2025	0575
	SC-70 #	MEDB00001BW 165.130/EC0575/ MEDB00001BW/EC0560	Jan 08, 2021	Jan 07, 2026	0575
	SC-130 #	MEDB00001BW 165.130/EC0575/ MEDB00001BW/EC0560	Jan 08, 2021	Jan 07, 2026	0575
MED/4.50	DGPS Equipment GP-170*	MEDB000039D 165.132/EC0575/ MEDB000039D/EC0560	Feb 01, 2021	May 07, 2025	0575
MED/4.32	AIS Equipment FA-170 #	MEDB00000EV 165.155/EC0575/ MEDB00000EV/EC0560	Jan 19, 2021	Jan 18, 2026	0575
MED/4.47	Simplified Voyage Data Recorder (S-VDR) VR-7000S Σ	MEDB00001MR 165.151/EC0575/MEDB00001 MR/EC0560	Aug 27, 2019	Jun 6, 2024	0575

△ including amending Directive (EU) 2015/559
 ≠ including implementing regulation (EU) 2017/306
 Σ including implementing regulation (EU) 2018/773
 * including implementing regulation (EU) 2019/1397
 # including implementing regulation (EU) 2020/1170

Item	Module B certificate data				
	Registration No.	Date of issue	Date of expiry	Notified body	
	USCG Approval No.				
MED/4.6	Echo-sounding equipment				
	FE-800 Σ	MEDB000039F 165.107/EC0575/MEDB000039F/EC0560	Nov 16, 2018	Nov 15, 2023	0575
MED/4.7	Speed and distance measuring equipment (SDME)				
	GS-100 #	MEDB000039C 165.105/EC0575/MEDB000039C/EC0560	March 08, 2021	Sep 19, 2023	0575
	DS-60 Σ	MEDB000008R 165.105/EC0575/MEDB000008R/EC0560	July 31, 2019	July 30, 2024	0575
	DS-80 Σ	MEDB00000HG 165.105/EC0575/MEDB00000HG/EC0560	July 15, 2019	July 14, 2024	0575
	DS-85 *	MEDB000052F 165.105/EC0575/MEDB000052F/EC0560	Feb03, 2020	Feb 02,2025	0575
MED/4.9	Rate-of-turn indicator (ROTI)				
	SC-70 #	MEDB00001BX 165.106/EC0575/MEDB00001BX/EC0560	Jan 08, 2021	Jan 07, 2026	0575
	SC-130 #	MEDB00001BX 165.106/EC0575/MEDB00001BX/EC0560	Jan 08, 2021	Jan 07, 2026	0575
MED/4.15	GLONASS equipment				
	GP-170 #	MEDB000068K 165.131/EC0575/MEDB000068K/EC0560	Feb 01, 2021	May 07, 2025	0575
MED/4.29	Voyage data recorder (VDR)				
	VR-7000 Σ	MEDB000039E 165.150/EC0575/ MEDB000039E/EC0560	Jun 14, 2019	Jun 11, 2024	0575
MED/4.30	Electronic chart display and information system (ECDIS) with backup, and raster chart display system (RCDS)				
	FMD-3100 Σ	MEDB00001MN 165.123/EC0575/MEDB00001MN/EC0560 165.124/EC0575/MEDB00001MN/EC0560	Aug 20, 2019	Aug 19, 2024	0575
	FMD-3200/3200-BB/FMD-3300 Σ	MEDB00001AV 165.123/EC0575/MEDB00001AV/EC0560 165.124/EC0575/MEDB00001AV/EC0560	Aug 21, 2019	Jun 19, 2024	0575
	FAR-3xx0 *	MEDB00001BE 165.124/EC0575/ MEDB00001BE/EC0560	Jan 29, 2020	Aug 29, 2021	0575
	FCR-2xx9 *	MEDB00001BM 165.124/EC0575/ MEDB00001BM/EC0560	Oct 21, 2019	Aug 29, 2021	0575

Δ including amending Directive (EU) 2015/559

\neq including implementing regulation (EU) 2017/306

Σ including implementing regulation (EU) 2018/773

* including implementing regulation (EU) 2019/1397

including implementing regulation (EU) 2020/1170

Item	Module B certificate data			
	Registration number	Date of issue	Date of expiry	Notified body
	USCG Approval No.			
MED/4.33	Track control system (working at ship's speed from minimum manoeuvring speed up to 30 knots)			
TC-3001 TKC Σ	MEDB000045U	Oct 24, 2018	Oct 23, 2023	0575
	165.112/EC0575/ MEDB000045U/EC0560			
TC-3001 EMRI *	MEDB00000AJ	Jan 10, 2020	Aug 29, 2021	0575
	165.112/EC0575/ MEDB00000AJ/EC0560			
TC-3001 YDK *	MEDB00000S4	Jan 10, 2020	Aug 29, 2021	0575
	165.112/EC0575/ MEDB00000S4/EC0560			
TC-3001 R-A *	MEDB00003HC	Feb 06, 2020	Aug 29, 2021	0575
	165.112/EC0575/ MEDB00003HC/EC0560			
MED/4.34	Radar equipment CAT 1			
FAR-3xx0 *	MEDB00001BE	Jan 29, 2020	Aug 29, 2021	0575
	165.115/EC0575/ MEDB00001BE/EC0560			
FCR-2xx9 *	MEDB00001BM	Oct 21, 2019	Aug 29, 2021	0575
	165.115/EC0575/ MEDB00001BM/EC0560			
FAR-2xx8 *	MEDB00002AU	Jan 29, 2020	Aug 29, 2021	0575
	165.115/EC0575/ MEDB00002AU/EC0560			
MED/4.35	Radar equipment CAT 2			
FAR-3xx0 *	MEDB00001BE	Jan 29, 2020	Aug 29, 2021	0575
	165.116/EC0575/ MEDB00001BE/EC0560			
FCR-2xx9 *	MEDB00001BM	Oct 21, 2019	Aug 29, 2021	0575
	165.116/EC0575/ MEDB00001BM/EC0560			
FAR-2xx8 *	MEDB00002AU	Jan 29, 2020	Aug 29, 2021	0575
	165.116/EC0575/MEDB00002AU/ EC0560			
FAR-15x8 Σ	MEDB00000FC	Aug 28, 2018	Aug 17, 2021	0575
	165.116/EC0575/ MEDB00000FC/EC0560			
MED/4.36	Radar equipment CAT 3			
FAR-2xx8 *	MEDB00002AU	Jan 29, 2020	Aug 29, 2021	0575
	165.117/EC0575/ MEDB00002AU/EC0560			
FAR-15x8 Σ	MEDB00000FC	Aug 28, 2018	Aug 17, 2021	0575
	165.117/EC0575/ MEDB00000FC/EC0560			

△ including amending Directive (EU) 2015/559

≠ including implementing regulation (EU) 2017/306

Σ including implementing regulation (EU) 2018/773

* including implementing regulation (EU) 2019/1397

including implementing regulation (EU) 2020/1170

Item	Module B certificate data			
	Registration number	Date of issue	Date of expiry	Notified body
	USCG Approval No.			
MED/4.37	Radar equipment for high-speed craft applications (CAT 1H and CAT 2H)			
FAR-3xx0 *	MEDB00001BE	Jan 29,2020	Aug 29, 2021	0575
	165.216/EC0575/MEDB00001BE/EC0560			
	165.217/EC0575/MEDB00001BE/EC0560			
FCR-2xx9 *	MEDB00001BM	Oct 21, 2019	Aug 29, 2021	0575
	165.216/EC0575/MEDB00001BM/EC0560			
	165.217/EC0575/MEDB00001BM/EC0560			
FAR-2xx8 *	MEDB00002AU	Jan 29, 2020	Aug 29, 2021	0575
	165.216/EC0575/MEDB00002AU/EC0560 165.217/EC0575/MEDB00002AU/EC0560			
FAR-15x8 Σ	MEDB00000FD	Jul 10, 2018	Aug 17, 2021	0575
MED/4.38	Radar equipment CAT 1C, CAT 2C, CAT 1HC for HSC, CAT 2HC for HSC (with chart option)			
FAR-3xx0 *	MEDB00001BE	Jan 29,2020	Aug 29, 2021	0575
FCR-2xx9 *	MEDB00001BM	Oct 21, 2019	Aug 29, 2021	0575
MED/4.41	Transmitting heading device THD (GNSS method)			
GS-100 #	MEDB000039H	March 08, 2021	Sep 19, 2023	0575
	165.102/EC0575/MEDB000039H/EC0560			
SC-70 #	MEDB00001BY	Jan 08, 2021	Jan 07, 2026	0575
	165.102/EC0575/MEDB00001BY/EC0560			
SC-130 #	MEDB00001BY	Jan 08, 2021	Jan 07, 2026	0575
	165.102/EC0575/MEDB00001BY/EC0560			
MED/4.51	DGLONASS equipment			
GP-170 *	MEDB000068K	Feb 01, 2021	May 07, 2025	0575
	165.133/EC0575/MEDB000068K/EC0560			
MED/4.57	Bridge navigational watch alarm system (BNWAS)			
BR-500 #	MEDB000011T	Mar 03, 2021	March 02, 2026	0575
	165.142/EC0575/MEDB000011T/EC0560			
MED/4.59	Integrated Navigation System (INS)			
Furuno Voyager INS Σ	MEDB00001G6	Jun 13, 2019	Jun 12, 2024	0575

Date of issue: 07 April 2021
Expiration date: 25 June 2021

 0560

W.J.M. Jong
Manager Product Certification

- △ including amending Directive (EU) 2015/559
- ≠ including implementing regulation (EU) 2017/306
- Σ including implementing regulation (EU) 2018/773
- * including implementing regulation (EU) 2019/1397
- # including implementing regulation (EU) 2020/1170