

Certificate

Production Quality System

MODULE D

Certificate No. P 112 (Issue 46)

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

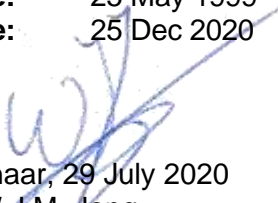
**Furuno Electric Co. Ltd.
Nishinomiya
Hyogo Pref.
Japan**

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: 29 July 2020
Date of first issue: 25 May 1999
Expiration date: 25 Dec 2020

 0560


Zevenaar, 29 July 2020
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.
MED/5.3	NAVTEX receiver NX-700 *	202120004/AA/00	April 7, 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	Jul 02, 2020	May 07, 2025	0575
	SC-70 Δ	MEDB00001BW 165.130/EC0575/ MEDB00001BW/EC0560	Mar 01, 2017	Feb 28, 2022	0575
	SC-130 Δ	MEDB00001BW 165.130/EC0575/ MEDB00001BW/EC0560	Mar 01, 2017	Feb 28, 2022	0575
MED/4.50	DGPS Equipment GP-170*	MEDB000039D 165.132/EC0575/ MEDB000039D/EC0560	Jul 02, 2020	May 07, 2025	0575
MED/4.32	AIS Equipment FA-170 Σ	MEDB00000EV 165.155/EC0575/ MEDB00000EV/EC0560	Apr 23, 2019	Jan 17, 2021	0575
MED/4.47	Simplified Voyage Data Recorder (S-VDR) VR-3000S Δ	4581/001/4472740/15	Apr 29, 2015	Apr 28, 2020	0735
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

Δ 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

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	Nov 16, 2018	Nov 15, 2023	0575
		165.107/EC0575/MEDB000039F/EC0560			
MED/4.7	Speed and distance measuring equipment (SDME)				
	GS-100 Σ	MEDB000039C	Sep 20, 2018	Sep 19, 2023	0575
		165.105/EC0575/MEDB000039C/EC0560			
	DS-60 Σ	MEDB000008R	Jun 31, 2019	Jun 30, 2024	0575
		165.105/EC0575/MEDB000008R/EC0560			
	DS-80 Σ	MEDB00000HG	June 15, 2019	Jun 14, 2024	0575
		165.105/EC0575/MEDB00000HG/EC0560			
	DS-85 *	MEDB000052F	Feb03, 2020	Feb 02, 2025	0575
		165.105/EC0575/MEDB000052F/EC0560			
MED/4.9	Rate-of-turn indicator (ROTI)				
	SC-70 Δ	MEDB00001BX	Mar 01, 2017	Feb 28, 2022	0575
		165.106/EC0575/MEDB00001BX/EC0560			
	SC-130 Δ	MEDB00001BX	Mar 01, 2017	Feb 28, 2022	0575
		165.106/EC0575/MEDB00001BX/EC0560			
MED/4.15	GLONASS equipment				
	GP-170 *	MEDB000068K	Jul 02, 2020	May 07, 2025	0575
		165.131/EC0575/MEDB000068K/EC0560			
MED/4.29	Voyage data recorder (VDR)				
	VR-7000 Σ	MEDB000039E	Jun 14, 2019	Jun 11, 2024	0575
		165.150/EC0575/ MEDB000039E/EC0560			
MED/4.30	Electronic chart display and information system (ECDIS) with backup, and raster chart display system (RCDS)				
	FMD-3100 Σ	MEDB00001MN	Aug 20, 2019	Aug 19, 2024	0575
		165.123/EC0575/MEDB00001MN/EC0560			
		165.124/EC0575/MEDB00001MN/EC0560			
	FMD-3200/3200-BB/FMD-3300 Σ	MEDB00001AV	Aug 21, 2019	Jun 19, 2024	0575
		165.123/EC0575/MEDB00001AV/EC0560			
		165.124/EC0575/MEDB00001AV/EC0560			
	FAR-3xx0 *	MEDB00001BE	Oct 21, 2019	Aug 29, 2021	0575
		165.124/EC0575/ MEDB00001BE/EC0560			
	FCR-2xx9 *	MEDB00001BM	Oct 21, 2019	Aug 29, 2021	0575
		165.124/EC0575/ MEDB00001BM/EC0560			

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	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	Feb 01, 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-2xx7 Δ	4581/001/4342778/15	Dec 14, 2015	Dec 13, 2020	0735
	165.115/EC0735/ 4342778/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-2xx7 Δ	4581/001/4342778/15	Dec 14, 2015	Dec 13, 2020	0735
	165.116/EC0735/4342778/ 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-2xx7 Δ	45812/001/4342778/15	Dec 14, 2015	Dec 13, 2020	0735
	165.117/EC0735/ 4342778/EC0560			
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			

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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-2xx7 △	4581/001/4342778/15	Dec 14, 2015	Dec 13, 2020	0735
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 Σ	MEDB000039H	Sep 20, 2018	Sep 19, 2023	0575
SC-70 △	MEDB00001BY	Mar 01, 2017	Feb 28, 2022	0575
SC-130 △	MEDB00001BY	Mar 01, 2017	Feb 28, 2022	0575
MED/4.51	DGLONASS equipment			
GP-170 *	MEDB000068K	Jul 02, 2020	May 07, 2025	0575
	165.133/EC0575/MEDB000068K/EC0560			
MED/4.57	Voyage data recorder (VDR)			
BR-500 ≠	MEDB000011T	Mar 28, 2018	Apr 25, 2021	0575
MED/4.59	Integrated Navigation System (INS)			
Furuno Voyager INS Σ	MEDB00001G6	Jun 13, 2019	Jun 12, 2024	0575

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