

Certificate

Production Quality System

MODULE D

Certificate No. P 112 (Issue 33)

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: 14 May 2018
Date of first issue: 25 May 1999
Expiration date: 25 June 2020

 0560


Zevenaar, 14 May 2018
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.				
A.1/5.3 NAVTEX receiver NX-700 ≠	152120001/AA/03	May 15, 2017	Apr 21, 2020	0560	
A.1/5.14 A.1/5.15 500W GMDSS MF/HF SSB Radiotelephone with integrated Class-A DSC-controller, NBDP terminal and DSC-watch keeping receiver FS-5075 ≠	162120005/AA/02	May 16, 2017	March 21, 2019	0560	
A.1/5.14 A.1/5.15 250W GMDSS MF/HF SSB Radiotelephone with integrated Class-A DSC-controller, NBDP terminal and DSC-watch keeping receiver FS-2575 ≠	162120004/AA/02	May 15, 2017	March 21, 2019	0560	
A.1/5.13 A.1/5.4 Inmarsat-C satellite earth station Felcom 18 ≠	172120124/AA/00	May 09, 2017	May 09, 2022	0560	
A.1/5.1 A.1/5.2 VHF radiotelephone with integrated DSC & ch70 watch keeping receiver FM-8900S ≠	172120125/AA/01	Nov 17, 2017	May 09, 2022	0560	
A.1/5.14 A.1/5.15 150W GMDSS MF/HF SSB Radiotelephone with integrated Class-A DSC-controller, NBDP terminal and DSC-watchkeeping receiver FS-1575 ≠	172120123/AA/00	May 09, 2017	March 21, 2019	0560	
A.1/4.14 GPS Equipment					
	GP-170 ≠	MEDB000039D 165.130/EC0575/ MEDB000039D/EC0560	Jan 18, 2018	Dec 05, 2018	0575
	SC-70 △	MEDB00001BW 165.130/EC0575/ MEDB00001BW/EC0560	Mar 01, 2017	Feb 28, 2022	0575
	SC-130 △	MEDB00001BW 165.130/EC0575/ MEDB00001BW/EC0560	Mar 01, 2017	Feb 28, 2022	0575
A1/4.50 DGPS Equipment GP-170 △		MED-B-9568	Dec 15, 2014	Dec 05, 2018	0575
A1/4.32 AIS Equipment FA-170 △		MEDB00000EV 165.155/EC0575/ MEDB00000EV/EC0560	Jan 18, 2016	Jan 17, 2021	0575
A1/4.47 Simplified Voyage Data Recorder (S-VDR) VR-3000S △		4581/001/4472740/15	Apr 29, 2015	Apr 28, 2020	0735
A.1/4.47 Simplified Voyage Data Recorder (S-VDR) VR-7000S △		MEDB00001MR	Nov 1, 2016	Oct 17, 2021	0575

△ including amending Directive (EU) 2015/559

≠ including implementing regulation (EU) 2017/306

Item	Module B certificate data				
	Registration No.	Date of issue	Date of expiry	Notified body	
	USCG Approval No.				
A.1/4.6	Echo-sounding equipment				
	FE-800 \triangle	MED-B-9054 165.107/EC0575/MED-B-9054/EC0560	June 10, 2014	June 10, 2019	0575
A1/4.7	Speed and distance measuring equipment (SDME)				
	GS-100 \neq	MEDB000039C 165.105/EC0575/MEDB000039C/EC0560	Jan 18, 2018	July 09, 2019	0575
	DS-60 \neq	MEDB000008R 165.105/EC0575/MEDB000008R/EC0560	Jan 18, 2018	Oct 15, 2020	0575
	DS-80 \triangle	MEDB00000HG 165.105/EC0575/MEDB00000HG/EC0560	Aug 31, 2016	Aug 30, 2021	0575
A1/4.9	Rate-of-turn indicator (ROTI)				
	SC-70 \triangle	MEDB00001BX 165.106/EC0575/MEDB00001BX/EC0560	Mar 01, 2017	Feb 28, 2022	0575
	SC-130 \triangle	MEDB00001BX 165.106/EC0575/MEDB00001BX/EC0560	Mar 01, 2017	Feb 28, 2022	0575
A.1/4.29	Voyage data recorder (VDR)				
	VR-7000 \triangle	MED-B-9205 165.150/EC0575/MED-B-9205/EC0560	Oct 07, 2014	Sep 30, 2019	0575
A/1/4.30	Electronic chart display and information system (ECDIS) with backup, and raster chart display system (RCDS)				
	FMD-3100 \neq	MEDB00001MN	Mar 21, 2018	Nov 17, 2021	0575
	FMD-3200/3200-BB/FMD-3300 \neq	MEDB00001AV	Mar 22, 2018	Jul 12, 2021	0575

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\neq including implementing regulation (EU) 2017/306

Item	Module B certificate data			
	Registration number	Date of issue	Date of expiry	Notified body
	USCG Approval No.			
A.1/4.33	Track control system (working at ship's speed from minimum manoeuvring speed up to 30 knots)			
TC-3001 TKC \triangle	MED-B-9236	Oct 01, 2014	Oct 01, 2019	0575
	165.112/EC0575/ MED-B-9236/EC0560			
TC-3001 EMRI \triangle	MEDB00000AJ	Feb 02, 2016	Feb 01, 2021	0575
	165.112/EC0575/ MEDB00000AJ/EC0560			
TC-3001 YDK \neq	MEDB00000S4	Jan 18, 2018	Jun 27, 2021	0575
	165.112/EC0575/ MEDB00000S4/EC0560			
TC-3001 R-A \neq	MEDB00003HC	Nov 29, 2017	Nov 28, 2022	0575
	165.112/EC0575/ MEDB00003HC/EC0560			
A.1/4.34	Radar equipment CAT 1			
FAR-3xx0 \triangle	MEDB00001BD	Jun 30, 2016	Jun 29, 2021	0575
	165.115/EC0575/ MEDB00001BD/EC0560			
FCR-2xx9 \triangle	MEDB00001BM	Jul 21, 2016	Jul 20, 2021	0575
	165.115/EC0575/ MEDB00001BM/EC0560			
FAR-2xx7 \triangle	4581/001/4342778/15	Dec 14, 2015	Dec 13, 2020	0735
	165.115/EC0735/ 4342778/EC0560			
FAR-2xx8 \neq	MEDB00002AU	Mar 14, 2018	Mar 13, 2023	0575
	165.115/EC0575/ MEDB00002AU/EC0560			
A.1/4.35	Radar equipment CAT 2			
FAR-3xx0 \triangle	MEDB00001BD	Jun 30, 2016	Jun 29, 2021	0575
	165.116/EC0575/ MEDB00001BD/EC0560			
FCR-2xx9 \triangle	MEDB00001BM	Jul 21, 2016	Jul 20, 2021	0575
	165.116/EC0575/ MEDB00001BM/EC0560			
FAR-2xx7 \triangle	4581/001/4342778/15	Dec 14, 2015	Dec 13, 2020	0735
	165.116/EC0735/4342778/ EC0560			
FAR-2xx8 \neq	MEDB00002AU	Mar 14, 2018	Mar 13, 2023	0575
	165.116/EC0575/ MEDB00002AU/EC0560			
FAR-15x8 \triangle	MEDB00000FC	Aug 18, 2016	Aug 17, 2021	0575
	165.116/EC0575/ MEDB00000FC/EC0560			
A.1/4.36	Radar equipment CAT 3			
FAR-2xx7 \triangle	45812/001/4342778/15	Dec 14, 2015	Dec 13, 2020	0735
	165.117/EC0735/ 4342778/EC0560			
FAR-2xx8 \neq	MEDB00002AU	Mar 14, 2018	Mar 13, 2023	0575
	165.117/EC0575/ MEDB00002AU/EC0560			
FAR-15x8 \triangle	MEDB000008T	Jul 13, 2016	Jul 12, 2021	0575
	165.117/EC0575/ MEDB000008T/EC0560			

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\neq including implementing regulation (EU) 2017/306

Item	Module B certificate data				
	Registration number	Date of issue	Date of expiry	Notified body	
	USCG Approval No.				
A.1/4.37	Radar equipment for high-speed craft applications (CAT 1H and CAT 2H)				
	FAR-3xx0 △	MEDB00001BE	Jun 30, 2016	Jun 29, 2021	0575
	FCR-2xx9 △	MEDB00001BR	Jul 22, 2016	Jul 21, 2021	0575
	FAR-2xx7 △	4581/001/4342778/15	Dec 14, 2015	Dec 13, 2020	0735
	FAR-2xx8 ≠	MEDB00002ZW	Mar 14, 2018	Mar 13, 2023	0575
	FAR-15x8 △	MEDB00000FD	Aug 18, 2016	Aug 17, 2021	0575
A.1/4.38	Radar equipment CAT 1C, CAT 2C, CAT 1HC for HSC, CAT 2HC for HSC (with chart option)				
	FAR-3xx0 △	MEDB00001BD	Jun 30, 2016	Jun 29, 2021	0575
	FAR-3xx0 △	MEDB00001BE	Jun 30, 2016	Jun 29, 2021	0575
	FCR-2xx9 △	MEDB00001BM	Jul 21, 2016	Jul 20, 2021	0575
	FCR-2xx9 △	MEDB00001BR	Jul 22, 2016	Jul 21, 2021	0575
A.1/4.41	Transmitting heading device THD (GNSS method)				
	GS-100 ≠	MEDB000039H	Jan 18, 2018	July 10, 2019	0575
	SC-70 △	MEDB00001BY	Mar 01, 2017	Feb 28, 2022	0575
	SC-130 △	MEDB00001BY	Mar 01, 2017	Feb 28, 2022	0575
A.1/4.57	Bridge navigational watch alarm system (BNWAS)				
	BR-500 ≠	MEDB000011T	Mar 28, 2018	Apr 25, 2021	0575

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