



Bundesrepublik Deutschland
Federal Republic of Germany

BSH-Cert

Benannte Stelle – Navigations- und Funkausrüstung
beim Bundesamt für Seeschifffahrt und Hydrographie
Notified Body – Navigation and Radiocommunication Equipment
at the Federal Maritime and Hydrographic Agency



NOTIFIED
BODY
0735

EC QUALITY SYSTEM (MODULE D) CERTIFICATE

BSH-Cert as the notified body performing EC conformity assessment procedures in compliance with EC Council Directive 96/98/EC dated 20 December 1996 on Marine Equipment, modified last by EC Commission Directive 2012/32/EU dated 25 October 2012, hereby certifies that a quality system in accordance with the requirements of the Marine Equipment Directive Annex B, Module D is maintained and applied by the manufacturer:

Furuno Electric co. Ltd.
9-52 Ashihara-cho
Nishinomiya-City, 662-8580
JAPAN

Authorized representative in Europe :

Furuno Deutschland GmbH
Siemensstrasse 33
25462 Rellingen
GERMANY

Scope: see overleaf

References: see annex to this certificate

Date of issue: 28 November 2012

Issued by: BSH-Cert
Bernhard-Nocht-Str. 78, 20359 Hamburg, Germany
Notified body 0735

Expiry date: 31 December 2016

Registration no.: BSH/4613/02208/2345/12

This certificate consists of 2 pages



Ingolf Eckert



Scope :

- A.1/4.6** Echo-sounding equipment
- A.1/4.7** Speed and distance measuring equipment (SDME)
- A.1/4.29** Voyage data recorder (VDR)
- A.1/4.30** Electronic chart display and information system (ECDIS) with backup, and raster chart display system (RCDS)
- A.1/4.32** Universal automatic identification system equipment (AIS)
- A.1/4.33** Track control system (working at ship's speed from minimum manoeuvring speed up to 30 knots)
- A.1/4.34** Radar equipment CAT 1
- A.1/4.35** Radar equipment CAT 2
- A.1/4.36** Radar equipment CAT 3
- A.1/4.37** Radar equipment for high-speed craft applications (CAT 1H and CAT 2H)
- A.1/4.38** Radar equipment approved with a chart option, namely :
a) CAT 1C b) CAT 2C c) CAT 1HC for HSC d) CAT 2HC for HSC
- A.1/4.41** Transmitting heading device THD (GNSS method)
- A.1/4.47** Simplified voyage data recorder (S-VDR)
- A.1/4.57** Bridge navigational watch alarm system (BNWAS)
- A.1/5.14** MF/HF radio capable of transmitting and receiving DSC, NBDP and radiotelephony
- A.1/5.15** MF/HF DSC scanning watchkeeping receiver

Places of production

Furuno Electric Co., Ltd
Miki factory
1 Tomoe, Bessyo-cho,
Miki, 673-0443, Japan

Ecotronix
826, Sayang-ri, Munbaekmyeon
Jincheon-gun, Chungcheonbuk-do
Republic of Korea

Furuno Dong Guan Factory
246 Bubugao Road, Jiangbei Wusha Changan
Dongguan City
Guangdong Province, P.R. of China

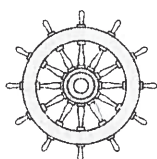
Restrictions: ***

References: see annex to EC Module D certificate BSH/4613/02208/2345/12

Notes:

This certificate authorises the manufacturer in conjunction with the EC Type Examination (Module B) Certificate of the equipment listed in the scope to affix the "Mark of Conformity" (wheelmark).

This certificate loses its validity if the manufacturer makes any changes or modifications to the approved quality system, which have not been notified to, and agreed with the notified body named on this certificate and/or after lapse of time, withdrawal or revocation of the EC Type Examination (Module B) Certificate.

"Wheelmark" Format and application (example) :

0735/yy

yy Last two digits of the year in which mark is affixed.
0735 Notified Body number undertaking quality surveillance

Notice on legal remedies available:

Objection to this document may be filed within one month after notification. The objection must be filed in writing to, or put on record at, Federal Maritime and Hydrographic Agency, Bernhard-Nocht-Str. 78, 20359 Hamburg, Germany

Annex to
EC QUALITY SYSTEM (MODULE D) CERTIFICATE

No. BSH/4613/02208/2345/12

Issued with process no.: 2345/12



**NOTIFIED
BODY
0735**

Item	Module B Certificate data				
	Registration number	date of issue	date of expiry	Notified Body	
	USCG Approval No.				
A.1/4.6 Echo-sounding equipment	FE-700	BSH/46122/4062210/12	2012-03-12	2015-03-28	0735
		165.107/EC0735/4062210	2012-03-12	2015-03-28	0735
A.1/4.7 Speed and distance measuring equipment (SDME)	DS-60	BSH/46122/4072301/12	2012-10-05	2015-03-28	0735
		165.105/EC0735/4072301	2012-10-05	2015-03-28	0735
	DS-80	BSH/46122/4072208/12	2012-03-12	2015-03-28	0735
		165.105/EC0735/4072208	2012-03-12	2015-03-28	0735
	DS-70	6299/059/00	2000-02-17	---	0735
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	A.1/4.29 Voyage data recorder (VDR)	VR-3000	BSH/46122/4292201/12	2012-03-05	2013-12-14
165.150/EC0735/4292201			2012-03-05	2013-12-14	0735
A.1/4.30 Electronic chart display and information system (ECDIS) with backup, and raster chart display system (RCDS)	FCR-2xx7	BSH/46122/4342303/12	2012-10-05	2014-10-25	0735
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	FEA-2xx7	BSH/46122/4302304/12	2012-10-05	2014-05-04	0735
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	FCR-2xx9	MED-B-8079	2012-11-16	2017-11-16	0575
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	FMD-3200/3200-BB/FMD-3300	MED-B-7725	2012-05-14	2017-05-14	0575
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A.1/4.32 Universal automatic identification system equipment (AIS)	FA-150	BSH/46122/4322180/12	2012-06-05	2015-03-28	0735
		165.155/EC0735/4322180	2012-06-05	2015-03-28	0735
Continuation see overleaf					

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V 2010-07-01

Continuation of the annex to the EC QUALITY SYSTEM (MODULE D) CERTIFICATE

No. BSH/4613/02208/2345/12

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-1000	BSH/4612/4331478/11	2011-09-23	2013-05-18	0735	
	165.112/EC0735/4331478	2011-09-23	2013-05-18	0735	
TC 1000-Y	MED-B-6292	2010-09-16	2015-09-16	0575	
	165.112/EC0575/ MED-B-6292/EC0735	2010-10-08	2015-09-16	0735	
TC-1000	BSH/4612/4330516/08	2008-05-19	2013-05-18	0735	
	165.112/EC0735/4330516	2010-10-08	2013-05-18	0735	
TC-3000 YDK	MED-B-8035	2012-10-29	2017-10-29	0575	
	165.112/EC0575/ MED-B-8035/EC0735	2012-10-29	2017-10-29	0735	
A.1/4.34	Radar equipment CAT 1				
FAR-2xx7	BSH/46122/4342302/12	2012-10-05	2013-09-22	0735	
	165.115/EC0735/4342302	2012-10-05	2013-09-22	0735	
FCR-2xx7	BSH/46122/4342303/12	2012-10-05	2014-10-25	0735	
	165.115/EC0735/4342303	2012-10-05	2014-10-25	0735	
FCR-2xx9	MED-B-8079	2012-11-16	2017-11-16	0575	
	165.115/EC0575/ MED-B-8079/EC0735	2012-11-16	2017-11-16	0735	
A.1/4.35	Radar equipment CAT 2				
FAR-2xx7	BSH/46122/4342302/12	2012-10-05	2013-09-22	0735	
	165.116/EC0735/4342302	2012-10-05	2013-09-22	0735	
FCR-2xx7	BSH/46122/4342303/12	2012-10-05	2014-10-25	0735	
	165.116/EC0735/4342303	2012-10-05	2014-10-25	0735	
FCR-2xx9	MED-B-8079	2012-11-16	2017-11-16	0575	
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A.1/4.36	Radar equipment CAT 3				
FAR-2xx7	BSH/46122/4342302/12	2012-10-05	2013-09-22	0735	
	165.117/EC0735/4342302	2012-10-05	2013-09-22	0735	
FCR-2xx9	MED-B-8079	2012-11-16	2017-11-16	0575	
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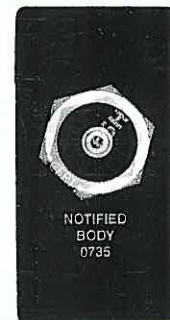
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V 2010-07-01

**Continuation of the annex to the EC QUALITY SYSTEM (MODULE D) CERTIFICATE
No. BSH/4613/02208/2345/12**

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-2xx7	BSH/46122/4342302/12	2012-10-05	2013-09-22	0735
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	FCR-2xx7	BSH/46122/4342303/12	2012-10-05	2014-10-25	0735
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A.1/4.38	Radar equipment approved with chart option, namely : a) CAT 1C, b) CAT 2C, c) CAT 1HC for HSC d) CAT 2HC for HSC				
	FCR-2xx7	BSH/46122/4342303/12	2012-10-05	2014-10-25	0735
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A.1/4.41	Transmitting heading device THD (GNSS method)				
	SC-50	BSH/4612/4412183/12	2012-02-17	2016-12-31	0735
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A.1/4.47	Simplified voyage data recorder				
	VR-3000S	BSH/46122/4292201/12	2012-03-05	2013-12-14	0735
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A.1/4.57	Bridge navigational watch alarm system (BNWAS)				
	BR-500	MED-B-8053	2012-11-15	2017-11-15	0575
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	BR-1000	MED-B-8054	2012-11-15	2017-11-15	0575
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Hamburg, 28 November 2012



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