

QS - CERTIFICATE OF ASSESSMENT - EC (MODULE D)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of Norway.

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

KONGSBERG MARITIME AS
Kongsberg, Norway

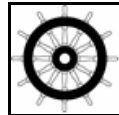
is found to comply with the applicable requirements.

The quality system has been assessed with respect to the procedure of conformity assessment described in Annex II, Module D in the directive 2014/90/EU and regulation (EU) 2020/1170.

This Certificate is valid until **2024-12-19**.

Issued at **Høvik** on **2020-10-13**

DNV GL local station:
Norway Fleet in Service, East-South



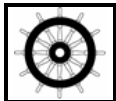
for **DNV GL AS**

Approval Engineer:
Steinar Kristensen

Notified Body
No.: **0575**

Roald Vårheim
Head of Notified Body

The manufacturer is allowed to affix the U.S. Coast Guard approval number(s) as stated in the appendix attached hereto and as allowed by the "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005, and amended by Decision No 1/2019 dated February 22nd, 2019.



0575/yyyy

0575: Notified Body number undertaking quality surveillance
yyyy: The year in which the mark is affixed

The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU. This certificate authorizes the manufacturer in conjunction with the valid EC Type Examination (Module B) Certificate(s) of the equipment listed before to affix the Mark of Conformity (wheelmark) to the product described herein. 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 notified 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.



LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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 300,000 USD.



Job Id: **344.1-003815-13**
Certificate No: **MEDD00000G3**
Revision No: **8**

APPENDIX

Item no. MED/4.16 Heading control system (HCS)

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
K-Bridge Autopilot ^{1, 2, 3, 5}	MEDB00001MX	2022-01-30 ^{a)}	0575	165.110/EC0575 /MEDB00001MX
K-Pos Heading Control System ^{1, 2, 3, 4, 5}	MEDB000008G Rev.5	2021-07-17 ^{a)}	0575	165.110/EC0575 /MEDB000008G Rev.5
K-Nav Autopilot ^{1, 2, 3, 5}	MEDB00000H8 Rev.1	2021-05-29 ^{a)}	0575	165.110/EC0575 /MEDB00000H8 Rev.1

Item no. MED/4.20 Rudder angle indicator

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
K-Bridge Multi Indicator ^{1, 2, 3, 5}	MEDB000026A Rev.1	2023-03-21	0575	165.167/EC0575 /MEDB000026A Rev.1

Item no. MED/4.21 Propeller revolution indicator

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
K-Bridge Multi Indicator ^{1, 2, 3, 5}	MEDB000025Y Rev.1	2023-03-21	0575	165.168/EC0575 /MEDB000025Y Rev.1

Item no. MED/4.22 Pitch indicator

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
K-Bridge Multi Indicator ^{1, 2, 3, 5}	MEDB000026B Rev.1	2023-03-21	0575	165.169/EC0575 /MEDB000026B Rev.1

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

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
K-Bridge ECDIS, K-Nav ECDIS ^{1, 2, 3, 5}	MEDB000013V Rev.2	2022-01-31 ^{a)}	0575	165.123, 165.124/EC0575 /MEDB000013V Rev.2

^{a)} According to Commission Implementing Regulation (EU) 2020/1170, the last date for placing on board a vessel for this product is 2021-08-29.

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

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
K-Bridge Track Control System ^{1, 2, 3, 5}	MEDB00001MZ	2022-01-30 ^{a)}	0575	165.112/EC0575 /MEDB00001MZ

Item no. MED/4.38a Radar equipment CAT 1C

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
K-Bridge Radar, K-Nav Radar ^{1, 2, 3, 5}	MEDB000013U	2022-01-30 ^{a)}	0575	165.120/EC0575 /MEDB000013U *

* Covers the "target tracking part" of the product only. The radar equipment is not covered by the MRA with U.S. Coast guard and must obtain separate U.S. certification for U.S. Flag vessels.

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

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
K-Bridge BNWAS ^{1, 2, 3, 5}	MEDB00001MY Rev.1	2022-01-30 ^{a)}	0575	165.142/EC0575 /MEDB00001MY Rev.1

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

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
K-Bridge INS ^{1, 2, 3, 5}	MEDB00003XA	2023-03-14 ^{a)}	0575	N/A

Item no. MED/4.9 Rate-of-turn indicator (ROTI)

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
K-Bridge Multi Indicator ^{1, 2, 3, 5}	MEDB000026C Rev.1	2023-03-21	0575	165.106/EC0575 /MEDB000026C Rev.1

^{a)} According to Commission Implementing Regulation (EU) 2020/1170, the last date for placing on board a vessel for this product is 2021-08-29.

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Places of production

- 1.Kongsberg Maritime Pte Ltd, 81 Toh Guan Road East, #04-01/02 Secom Centre, Singapore, Singapore
- 2.Kongsberg Maritime China Waigaoqiao Ltd., 2F/3F, No. 136 North Fute Road, China (Shanghai) Pilot Free Trade Zone, Shanghai, China
- 3.KONGSBERG MARITIME AS, Kirkegårdsveien 45, Kongsberg, Norway
- 4.Kongsberg Maritime AS, Bekkajordet 8A, Horten, Norway
- 5.Kongsberg Maritime Korea Ltd., 9-7, Sandan 3-ro, Jeonggwan-myeon, Gijang-gun, Busan, Republic of Korea