

**BUREAU  
VERITAS**

Attestation number: 79583/A0 BV

File number: TCE12\_215

Product code: RA-CYBER

*This attestation is not valid when presented without the full attached schedule  
composed of 7 sections*

## REVIEW ATTESTATION

*This attestation is issued to*

**Kongsberg Maritime AS**

Kongsberg - NORWAY

*for*

### CYBERSECURITY REVIEW

Kongsberg Advanced Maneuvering System (Autopilot M100, Joystick M50, Autocrossing)

**Requirements:**

NR659 Bureau Veritas Rules on Cyber Security for the Classification of Marine Units

IACS UR E27 Rev.1(Sep 2023) Cyber resilience of on-board systems and equipment

*This document is issued to attest that BUREAU VERITAS Marine & Offshore reviewed the technical documentation submitted for the equipment identified above. Details of this review are to be found in the "Schedule of Review" in the subsequent pages of this attestation.*

**For Bureau Veritas Marine & Offshore,**

At BV OSLO, on 26 Jan 2026,

Rune Marstein

***This attestation was created electronically and is valid without  
signature***



This attestation will not be valid if the applicant makes any changes or modifications to the product which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. This attestation is issued within the scope of the General Conditions of BUREAU VERITAS Marine & Offshore Division available on the internet site [www.veristar.com](http://www.veristar.com). Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgment, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

## **SCHEDULE OF REVIEW**

### **1. PRODUCT DESCRIPTION :**

Kongsberg Advanced Maneuvering System is described in the certificate 81625/XX BV.

### **2. DOCUMENTS AND DRAWINGS :**

Filename	Reference
110-0053460 Mcon & Advanced Maneuvering - Security Capabilities	rev. D
110-0053461 - Cyber Security Test Procedure AdvMan Mcon	rev. F
Cyber security Usermanual Advanced Maneuvering	V1.0
110-0081476 AdvMan System Topology	rev. C
110-0081474 AdvMan Asset Inventory	rev. D
KM-PROC-0080 Change management_en	rev. B
KM-GUI-0118 Guideline for Secure Development Lifecycle _SDLC_en	rev. A
KM-PRO-0120 Configuration Management Procedure_en	rev. B
110-0098175 Mcon & AdvMan Cyber Security Configuration Check list	rev. B
110-0100279 Mcon and Advanced Maneuvering Restore procedure	rev. A

*No departure from the above documents shall be made without the prior consent of the Society. The manufacturer must inform the Society of any modification or changes to these documents and drawings.*

### **3. TEST REPORTS :**

Test report "TCE12\_214&215\_test\_report signed" dated 14/02/2025 were reviewed and approved for this attestation.

The following subjects were investigated:

#### **- Required security capabilities:**

- IEC 62443-3-3/SR 1.1: Human user identification and authentication
- IEC 62443-3-3/SR 1.4: Identifier management
- IEC 62443-3-3/SR 1.7: Strength of password-based authentication
- IEC 62443-3-3/SR 2.3: Use control for portable and mobile devices
- IEC 62443-3-3/SR 2.5: Session lock
- IEC 62443-3-3/SR 2.8: Auditable events
- IEC 62443-3-3/SR 2.11: Timestamps
- IEC 62443-3-3/SR 3.1: Communication integrity
- IEC 62443-3-3/SR 3.3: Security functionality verification
- IEC 62443-3-3/SR 4.1: Information confidentiality
- IEC 62443-3-3/SR 7.1: Denial of service protection
- IEC 62443-3-3/SR 7.5: Alternative power source
- IEC 62443-3-3/SR 7.7: Least functionality

### **4. APPLICATION / LIMITATION :**

4.1 - This attestation is an intermediate document and does not constitute by itself a BV Type Approval Certificate. This attestation is limited to cyber resilience of product described in 1. as per UR E27 Rev. 1 dated Sept.2023.

4.2 - The installation shall comply with the Manufacturer's recommendation described in the above-referenced documentation.

4.3 - This attestation is only valid when attached to the valid Type Approval Certificate 81625/XX BV.

4.4 - This attestation has been issued based on the review of documentation provided for the Type Approval Certificate 81625/A0 BV.

4.5 - It is manufacturer's responsibility to inform the Society of any modification or changes which could impact the validity of this attestation.

4.6 - Only Hardware and Firmware / Software described successfully tested together in compliance with the rules as referred to in page one, according to the declaration of the manufacturer are covered by this attestation. Limitation are :

- Operator Station: 10.4" Panel Computer or 12" Panel Computer with KM – Embedded Operating System version 1.5.x, HMI Application version 4.7.x and Control System Application version 4.7.x.
- Controller: H1151 Marine Controller & H1170 Marine Controller with KM – Embedded Operating System version 1.5.x, Control System Application version 4.7.x
- Managed Ethernet switch version Lynx with Westermo Operating System version 4.3x.x.

## 5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - This system product is to be supplied by **Kongsberg Maritime AS** in compliance with the type described in this attestation.

5.2 - For information **Kongsberg Maritime AS** has declared to Bureau Veritas the following production site:

**Kongsberg Maritime AS - Automation & Control Longva**  
**Longvafjordvegen 379**  
**Postboks 1522**  
**N-6293 LONGVA**  
**NORWAY**

## 6. MARKING OF PRODUCT :

N/A

## 7. OTHERS :

7.1 - It is **Kongsberg Maritime AS** responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

\*\*\* END OF ATTESTATION \*\*\*