



**TYPE APPROVAL CERTIFICATE**  
No. **ELE019726XP**

**This is to certify** that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	<b>Propulsion remote control system</b>
<i>Type</i>	<b>Kongsberg Mcon Control System</b>
<i>Applicant</i>	<b>KONGSBERG MARITIME AS - Kongsberg Maritime AS Longvafjordvegen 379 6293 Longva NORWAY</b>
<i>Manufacturer</i>	<b>KONGSBERG MARITIME AS - Kongsberg Maritime AS</b>
<i>Place of manufacture</i>	<b>Longvafjordvegen 379 6293 Longva NORWAY</b>
<i>Reference standards</i>	<b>IACS UR E27 Rev.1 Cyber Resilience of On-board systems and equipment, RINA Rules for Classification of Ships Pt C, Ch 3,Sec 4 &amp; 5.</b>

Issued in **GDAŃSK** on **June 10, 2026**. This Certificate is valid until **June 10, 2031**



*B. Wroblewski*

ON BEHALF OF

**RINA Services S.p.A.  
Adam Mejer**

This certificate consists of this page and 1 enclosure



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**Enclosure - Page 1 of 1**  
**Kongsberg Mcon Control System**

**Product description:**

Kongsberg Mcon is the latest generation of control systems for wide range of propulsion and thruster products. The propulsion, thruster and steering control system is a micor-processor based system for controlling the manoeuvring units of the vessel. The details are included in RINA Plan Approval Letter PLEL/2026/51/BKU01

**Testing:**

Extensive Testing was conducted by Kongsberg and witnessed by RINA as per following test plan:  
- Cyber Security- Test Procedure doc. no.: 110-0053461 rev F.

Kongsberg provided documentation:

1. Mcon Asset Inventory doc no.: 110-0053458D, dated 2024.11.26, rev. D
2. Mcon System Topology doc no.: 110-0053459, dated 2025.01.20 rev. D
3. Description of Security Capabilities, doc no.: 110-00535460, rev. D
4. Mcon and Advanced Maneuvering Restore procedure, doc no.: 110-0068347, rev. A
5. Mcon for Rudder Steering Gear Control Failure Mode and Effect Analysis, doc no.: 110-0083894, rev A, dated: 09.07.2024
6. Cyber Securiry Configuration & Validation Procedure, doc no.: 110-0098175, rev. B
7. Guideline for Secure Development Lifecycle (SDLC), doc no.: KM-GUI-0118, rev. A
8. Change management, doc no.: KM-PROC-0080, rev. B

**GDAŃSK June 10, 2026**

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