Statement of Compliance

with the requirements of the International Association of Classification Societies (IACS) Unified Requirements E27 (Rev1 Sep 2023) and Part 6, Chapter1, Section 2.16 of the Lloyd's Register Rules and Regulations for the Classification of Ships, July 2025.

This Statement of Compliance supersedes and cancels the Statement of Compliance No. TSO/24-027366-E-001, dated 04.03.2026.

Manufacturer: Kongsberg Maritime AS

Adress: Kirkegårdsveien 45
3616 Kongsberg
Norway

System: Kongsberg Advanced Maneuvering System (Autopilot M100, Joystick M50, Autocrossing)
K-Thrust 720, Thruster, Propulsion and Steering Remote Control System
Kongsberg Mcon Propulsion, Thruster, and Steering gear Control System

Applicable Standard: IACS UR E27 (Rev1)
Part 6, Chapter 1, Section 2.16 Lloyd's Register Rules and Regulations for the Classification of Ships, July 2025

Security capabilities
- Protect against casual or coincidental access by unauthenticated entities.
- Protect against casual or coincidental misuse (excluding wireless use control).
- Protect the integrity of the CBS against casual or coincidental manipulation.
- Prevent the unauthorized disclosure of information via eavesdropping or casual exposure.
- Monitor the operation of the CBS and respond to incidents.
- Ensure that the control system operates reliably under normal production conditions.

Additional security capabilities:
- Multifactor authentication for human users.
- Software process and device identification and authentication.
- Unsuccessful login attempts.
- System use notification
- Access via Untrusted Networks
- Explicit access request approval
- Remote session termination
- Cryptographic integrity protection
- Input validation
- Session integrity
- Invalidation of session IDs after session termination

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Conditions:

This statement is issued on the understanding that all connections are wired. Any radiocommunication (e.g. Bluetooth, WiFi etc.) are excluded.

The statement remains valid until the date mentioned above. If the applicable standards change or the system is modified, this document will no longer be valid. Changes in the system or processes must be reported to the issuing office.

This rating refers to the system described above. Regardless of the assessment of the security level achieved, an assessment in accordance with UR E26 (Rev.1) has to be carried out on a project-specific base, by the system integrator and has to submitted to the project responsible Lloyd's Register plan approval office.

Basis for this statement is a review of the documents, listed in the appendix. A system test to validate the requirements had been carried out from the 13th February 2025, witnessed by Lloyd's Register.

The Systems are type approved in accordance with the Lloyd's Register Test Specification No 1. Software Aspects are covered by the Lloyd's Register Software Conformity Assessment.

Thomas Milow
Senior Specialist
Electrotechnical Systems
Hamburg Technical Support Office
Lloyd's Register EMEA
T +49 (0)40 34 97 00 10 -170
E thomas.milow@lr.org

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Appendix

Following documents have been reviewed / considered:

C561587	-	ISO 9001:2015	27.11.2025
110-0053615	C	K-Thrust 720 - Asset Inventory	09.07.2024
110-0053616	D	K-Thrust 720 - System Topology	29.10.2024
110-0053617	B	Description of Security Capabilities K-Thrust 720	18.09.2024
110-0053618	A	Test Procedure Cyber Security IACS UR E27	23.09.2024
110-0053461	F	Cyber Security – Test Procedure witnessed by LR	13.02.2025
409587	C	K-Thrust 720 Propulsion and Thruster Remote Control System – Product Description	09/2018
441551	D	K-Thrust 720 Thruster, Propulsion and Steering Remote Control System Operator Manual	10/2024
KM-GUI-0118	A	Guideline for Secure Development Lifecycle (SDLC)	21.03.2024
KM-GUI-9504	C	Guidelines for service on AIM systems	07.04.2013
KM-PROC-0080	B	Change Management	07.06.2024
110-0049213	B	Datasheet Autopilot M100	undated
110-0049211	B	Datasheet Joystick M50	undated
110-0076740	B	Mcon Propulsion and Thruster Control System Product Description	13.05.2024
EAC-118783-01MC	A	Mcon Class Manual	10.04.2024
465721	A	Datasheet Mcon Propulsion, Thruster & Steering Gear Control	undated
465734	C	Datasheet Mcon Tunnel Thruster Control	undated
110-0081474	D	Asset Inventory Advanced Manoeuvring	05.12.2024
110-0081476	C	System Topology Advanced Manoeuvring	26.11.2024
Undated	-	Cyber Incident Handling Advanced Maneuvering	undated
110-0049213	B	Datasheet Autopilot M100 Advanced Manoeuvring	undated
110-0049211	B	Datasheet Joystick M50 Advanced Manoeuvring	undated
110-0053460	D	Description of Security Capabilities Mcon & Adv. Man. Control Systems	13.12.2024
110-0053461	F	Cyber Security - Test Procedure Mcon & Adv. Man. Control Systems	21.11.2024
110-0068347	A	Mcon and Advanced Maneuvering Restore procedure	20.11.2024
110-0098175	B	Configuration & Validation Procedure	11.12.2024
KM-GUI-0118	A	Guideline for Secure Development Lifecycle (SDLC)	21.03.2024
KM-PRO-0120	B	Configuration Management Procedure	03.06.2024
KM-PROC-0080	B	Change management	07.06.2024
110-0053458	D	Mcon Asset Inventory	26.11.2024
110-0053459	D	Mcon System Topology	20.01.2025
Undated	-	Cyber Incident Handling Mcon	Undated

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