



Certificate no.:
TAA00003N8

TYPE APPROVAL DESIGN CERTIFICATE

This is to certify:

that the **Remote Control System, Propulsion, Thruster and Steering**

with type designation(s)
MPC 300

issued to

Caterpillar Inc.
Peoria, IL, USA

is found to comply with

DNV rules for classification – Ships Pt.6 Ch.5 Sec.21 Cyber security [2.2] Exclusion based on negligible risk

Application:

This type approval covers the criteria for exclusion from the mandatory application of Pt.6 Ch.5 Sec.21 Cyber security, subject to conditions stated in this certificate.

Issued at **Høvik** on **2026-02-20**

This Certificate is valid until **2028-02-19**.

for **DNV**

DNV local unit: **Certification & Inspection Services**

Approval Engineer: **Simen Vike Lande**

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This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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

Product description

The system consists of the following hardware components:

<i>Component name</i>	<i>Part number</i>	<i>Software version descriptor</i>
Powertrain ECM	595-1172	CAT SL01 VER 1.0
Advanced Lever	595-1181	-
Control Display HMI	595-1189	-
Palm Beach Lever	595-1190	-

This type approval design certificate is issued to state conformance with DNV-RU-SHIP Pt.6 Ch.5 Sec.21 [2.2], indicating that a design assessment is performed to confirm that the criteria for exclusion from mandatory application of cyber security requirements in DNV-RU-SHIP Pt.6 Ch.5 Sec.21 [4], are met.

Application/Limitation

The following conditions shall be met when the system is installed on board:

- The ECM shall be installed in a restricted or controlled area. The CAN network shall be protected from unauthorized access.
- The service port of the device shall be arranged such as to avoid unauthorized access.
- The ECMs CAN interface shall only be connected to components and systems meeting the requirements in DNV-RU-SHIP Pt.6 Ch.5 Sec.21.

For vessels where the Cyber secure notation is applicable, the above listed conditions shall be verified on board.

Type Approval documentation

<i>Document title</i>	<i>Document number</i>	<i>Revision number</i>
Cyber Security Type Approval Design Documentation Powertrain ECM	-	2.0

Marking of product

The products to be marked with:

- manufacturer name
- model name
- serial number
- power supply ratings.