



Certificate no.:
TAA00003EJ

TYPE APPROVAL CERTIFICATE

This is to certify:

that the **Personal Computer**

with type designation(s)
PCM4-Q170 Marine Computer

issued to

ISIC A/S

Brabrand, Midtjylland, Denmark

is found to comply with

DNV rules for classification – Ships, offshore units, and high speed and light craft
IEC 60945 Ed. 4 (2002-08) Maritime navigation and radiocommunication equipment and systems – General requirements – Methods of testing and required test results

Application:

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Location classes:

Temperature	B (Cold test to -15°C carried out)
Humidity	B
Vibration	A
EMC	B
Enclosure	A / IP20

Issued at **Høvik** on **2024-07-12**

This Certificate is valid until **2029-07-11**.

DNV local unit: **Denmark CMC**

Approval Engineer: **Ståle Sneen**

for **DNV**



Digitally Signed By: Permoda, Jowita

Location: DNV AS, Norway

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.



Form code: TA 251

Revision: 2023-09

www.dnv.com

Page 1 of 4