

TYPE EXAMINATION CERTIFICATE

Certificate No:
TAA00000NN
Revision No:
1

This is to certify:**That the Electronic Chart System (ECS) Database**

with type designation(s)
C-MAP Professional+

Issued to

C-MAP Norway AS
EGERSUND, Norway

is found to comply with

ISO 19379:2003 Ships and marine technology - ECS databases - Content, quality, updating and testing**Application :**

For SOLAS convention craft the chart database may, depending on the Administration's acceptance, be used as an additional assistance in navigation in addition to official nautical charts issued or recognised by a hydrographic office. For non-SOLAS convention craft the chart database may be used in accordance with relevant national regulations.

Issued at **Høvik** on **2018-01-30**for **DNV GL**This Certificate is valid until **2023-01-29**.DNV GL local station: **Stavanger**Approval Engineer: **Steinar Kristensen**

Jan Tore Grimsrud
Head of Section

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 Examination Certificate and not to the approval of equipment/systems installed.



Job Id: **262.1-002765-7**
Certificate No: **TAA00000NN**
Revision No: **1**

Product description

Electronic Chart System Database as described in the document "C-MAP Professional+ Product Specification version 2.3.3, 15 Dec 2017"

Application/Limitation

All significant changes to the production process and/or product specification are to be evaluated by DNV GL as appropriate prior to implementation.

Type Examination documentation

- CM-93/3 Electronic Chart Database Certification against ISO 19379 Sample selection criteria, 09 June 2004
- CM-93/3 Electronic Chart Database Certification against ISO 19379 Testing plan
- CM-93/3 Electronic Chart Database Certification against ISO 19379 Data set checklist
- C-MAP Professional+ Product Specification version 2.3.3, 15 Dec 2017

Tests carried out

Tests have been carried out in accordance with the test methods described in ISO 19379:2003. The tests were done on a limited sample of the total database as described in the C-MAP document "CM-93/3 Electronic Chart Database Certification against ISO 19379 Sample selection criteria, 09 June 2004".

Certificate Retention Survey

Retention surveys are to be carried out annually and not more than 3 months prior to renewal of this certificate.

The scope of the retention survey is to verify that the conditions stipulated for the type examination are complied with and that no significant changes have been made to the production process and/or product specification.