

CONFORMITY ASSESSMENT CERTIFICATE

This is to certify:**That the System Electronic Navigational Charts (SENC) Distribution**with type designation(s)
TADS

Issued to

Wärtsilä Voyage Limited
Cork, Ireland

is found to comply with

**The Norwegian Hydrographic Service (NHS) requirements for SENC distribution, detailed in
"Specification for Distribution of Authorised Navigational Chart Data in SENC Format",
Technical Report No. 2002-1392 Revision No. 02****Application :****See page 2**Issued at **Høvik** on **2019-06-28**This Certificate is valid until **2024-06-27**.for **DNV GL**DNV GL local station: **Gothenburg**Approval Engineer: **Roger Lauritsen**

Trond Sjøvåg
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 Approval Certificate and not to the approval of equipment/systems installed.



Product description

The continual process of converting official ENC data into SENC format and handling the distribution of TADS.

Application/Limitation

- The conformity assessment is limited to the conversion of official ENCs and distribution of SENC data being uploaded to Wärtsilä Transas ECDIS.
- All changes to the process (procedures and technical tools) are to be evaluated, prior to implementation, on basis described in Technical Report No. 2002-1392 Rev.02, and communicated with DNV GL as appropriate.

Type Examination documentation

DNV GL No	Doc. Ref.	Title
16	Edition 4.0	WV (Transas) Quality Manual v5 2019 (Not final revision)
15	FC-0511-TADS Data-EN	TADS Process Flow-chart
14	PROC-0503-Chart Service-EN, Edition 6.0	Chart Service General Description Document
13	PROCESS-0511-TADS Data-EN, Edition 2.0	TADS Data Processing Document
1	REF720, issue 3.4	The UKHO/Transas TADS Technical Solution Document

Tests carried out

- Tests in accordance with "Specification for Distribution of Authorised Navigational Chart Data in SENC Format", Technical Report No.2002-1392 Revision No. 02, Section 5.1.
- Audits in accordance with "Specification for Distribution of Authorised Navigational Chart Data in SENC Format", Technical Report No.2002-1392 Revision No. 02, Section 5.2.

Periodical audit

A periodic audit is to be performed annually. The scope of the audit is to verify that the quality management system and the SENC distribution procedures are maintained according to the TADS and the Primar Specification as well as quality assurance requirements defined in Council Directive 2014/90/EU (Marine Equipment Directive), as amended.