



TYPE APPROVAL CERTIFICATE

Certificate No:
TAA00001R5
Revision No:
1

This is to certify:

That the **Bridge instrumentation**

with type designation(s)

Weather Transmitter WSS 500, Weather Transmitter WSS 550

Issued to

DEIF A/S

Skive, Midtjylland, Denmark

is found to comply with

IEC 60945 Ed. 4 (2002-08) Maritime navigation and radiocommunication equipment and systems – General requirements – Methods of testing and required test results

Application :

Weather Transmitter DEIF WSS 500 (without heating), DEIF WSS 550 (with heating), see page 2.

Issued at **Høvik** on **2023-05-02**

for **DNV**

This Certificate is valid until **2028-05-01** .

DNV local unit: **Denmark CMC**

Approval Engineer: **Steinar Kristensen**

Frederik Tore Elter
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.

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 281

Revision: 2022-12

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Page 1 of 2

Product description

'Weather Transmitter WSS 500, Weather Transmitter WSS 550'
 Weather Sensor series, consisting of following models:

Model	Description	Location
WSS 500	Wind speed, Wind Direction	Exposed
WSS 550	Wind speed, Wind Direction (with heating)	Exposed

The product may also be produced at DNV Customer Id. 1213128.

Application/Limitation

Weather Transmitters are to be installed in accordance to documented installation requirements.

Type Approval documentation

DNV No.	Title
30	TR221758 WXT533 Ingress Protection IP66
29	TR221675 WXT536 EMC Test Report-Marine
28	TR221634 WXT536 EMC 150k-30MHz EMI-Test Report 282175-1
27	TR221767 WXT536 Sinusoidal vibration
26	TR221777 WXT536 Cyclic Corrosion
25	TR221776 WXT533 Cyclic Corrosion
24	TR221773 WXT536 Damp Heat Cyclic
23	TR221772 WXT533 Damp Heat Cyclic
22	TR221766 WXT533 Sinusoidal Vibration
21	TR221765 WXT536 Dry Heat
20	TR221764 WXT533 Dry Heat
19	TR221763 WXT536 Cold
18	TR221762 WXT533 Cold
17	TR221759 WXT536 Ingress Protection IP66

Tests carried out

Environmental testing: IEC 60945:2002 Ch. 8 (applicable for exposed equipment only).

Marking of product

The name of manufacturer and type designation to be applied to the equipment in a clearly visible location. In addition, the equipment shall be marked with serial number, safe distance to magnetic compass, power consumption and/or supply voltage.

The marking to be in compliance with IEC 60945:2002 Ch. 15.

Periodical Assessment

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate. The scope of the periodical/renewal assessment is to verify that the production quality conditions stipulated for the type approval are complied with and that no alterations are made to the product design or its components and/or materials without appraisal by the Society.