

TYPE EXAMINATION CERTIFICATE

This is to certify:**That the Wind Display**

with type designation(s)
WSDI-2

Manufactured by

DEIF A/S
SKIVE, Denmark

is found to comply with

IMO Res. A.694(17) General requirements for shipborne radio equipment forming part of the global maritime distress and safety system (GMDSS) and for electronic navigational aids

Application :

See page 2

This Certificate is valid until **2018-06-30**.

Issued at **Høvik** on **2014-06-17**

DNV GL local station: **Aalborg**

Approval Engineer: **Frederik Tore Elter**

for **DNV GL**

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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. If any person suffers loss or damage which is proven to have been caused by any negligent act or omission of the Society, then the Society shall pay compensation to such person for his proven direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question. The maximum compensation shall never exceed USD 2 million. In this provision the "Society" shall mean DNV GL AS as well as all its direct and indirect owners, affiliates, subsidiaries, directors, officers, employees, agents and any other person or entity acting on behalf of DNV GL AS.

Certificate No: **A-13818**
File No: **845.90**
Job Id: **262.1-008866-3**

Product description

Product consists of following components:
Wind display (exposed)

Application/Limitation

The product shall be installed and checked/tested in accordance to manufacturer Installation Instructions.

Type Examination documentation

Doc. No.	Title
8A	Salt mist test
1A	Description of test specimen
3A	Cold Test
9A	Vibration test 9A and 10A
18A	Conducted emission test, DC ports -Test
1B	Electrical Fast Transients (EFT) -Burst
02B	RF E-field immunity test - Test
5B	Electrostatic Discharge - ESD
6B	Surge
7B	RF - Common mode - AM (conducted)
16A	Radiated emission test - WDSI-2
17A	Conducted emission test - WDSI-2
27A	IP test - WDSI-2
4189350032B	User Manual/ Installation Note

Tests carried out

- Environmental testing, IEC 60945 (2002)

Marking of product

The Manufacturer and Type Designation to be applied to the equipment in a clearly visible location and in addition the equipment shall be marked with serial number, safe distance to magnetic compass, power consumption and/or supply voltage.

Certificate Retention Survey

The retention survey is to be performed at least every second year and at renewal of this certificate.

The scope of the retention/renewal survey is to verify that the conditions stipulated for the type approval area complied with and that no alterations are made to the product design or choice of systems, software versions, components and/or materials.

END OF CERTIFICATE