



Danmark

Marine Equipment Directive Module D Quality System Certificate

This is to certify that TÜV SÜD DANMARK ApS did undertake the relevant assessment procedures for the quality system under the control of the manufacturer for the equipment identified in the Annex to this Certificate which was found to be in compliance with the Marine Equipment Directive (2014/90/EU) requirements under the following Implementing Regulation. Compliance was demonstrated by assessment to the Marine Equipment Directive 2014/90/EU Annex II, part II (Module D: Conformity to Type Based on Quality Assurance of the Production Process).

Implementing Regulation	(EU)2023/1667
Certificate Holder and Manufacturer	Northrop Grumman Sperry Marine B.V. Haringbuisweg 33 3133 KP Vlaardingen The Netherlands
Product Sector	Navigation Equipment

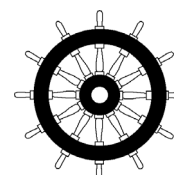
Valid from: 21 May 2024

(Tom J Twynam)

Expiry Date: 31 December 2024

This certificate has been issued in accordance with the TÜV SÜD Testing, Certification, Validation and Verification Regulations and constitutes page 1 of the combined Certificate and Annex.

The Conditions for the validity of this certificate are listed in the Annex.
For further details related to this certification please contact BABT@tuvsud.com.

**2443**

Issued by TÜV SÜD DANMARK ApS under document number: DK-MED005726-H1 Issue 06

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TÜV SÜD DANMARK ApS • Strandvejen 125 • 2900 Hellerup • Denmark



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Annex to Marine Equipment Directive Module D Quality System Certificate

1 Details of the Fabricators

1.1 Names and Addresses

Facility No.: 5726
Name: Northrop Grumman Sperry Marine B.V.
Address: 118 Burlington Road
New Malden
Surrey
KT3 4NR
United Kingdom

Facility No.: 5732
Name: ZTA AD Bulgaria
Address: 2770 Bansko 82
Tsar Simeon Str
Bulgaria

Facility No.: 5729
Name: ISIC A/S Denmark
Address: Edwin Rahrs Vej 54
8220 Brabrand
Denmark

Facility No.: 5731
Name: Hatteland Technology AS
Address: Eikeskogvegen 52
Aksdal
5570
Norway

2 Module B Type Examination Certificate Information

Item No. MED/4.30 Electronic Chart Display and Information System (ECDIS) Equipment

Product	Implementing Regulation	Module B Certificate no.	Expiry Date	NB Number
VisionMaster Net ECDIS	(EU)2023/1667	DK-MED000132	2025-03-22	2443
	USCG	165.123/EC2443/DK-MED000132 (ECDIS) 165.124/EC2443/DK-MED000132 (ECDIS Backup)		

Annex to Marine Equipment Directive Module D Quality System Certificate



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Item No. MED/4.33 Track Control System

Product	Implementing Regulation	Module B Certificate no.	Expiry Date	NB Number
VisionMaster Net ECDIS with Track Control	(EU)2023/1667	DK-MED000133	2025-03-22	2443
	USCG	165.112/EC2443/DK-MED000133		

Item No. MED/4.64 CAT 1 RADAR Equipment & Item No. MED/4.64 CAT 1H RADAR Equipment Item No. MED/4.64 CAT 2 RADAR Equipment & Item No. MED/4.64 CAT 2H RADAR Equipment

Product	Implementing Regulation	Module B Certificate no.	Expiry Date	NB Number
VisionMaster Net CAT1 Radar Systems	(EU)2023/1667	DK-MED000131	2025-03-22	2443
	USCG	165.115/EC2443/DK-MED000131 165.216/EC2443/DK-MED000131		
VisionMaster Net CAT2 Radar Systems	(EU)2023/1667	DK-MED000131	2025-03-22	2443
	USCG	165.116/EC2443/DK-MED000131 165.217/EC2443/DK-MED000131		
VisionMaster Net CAT1 Chart Radar Systems VisionMaster Net CAT2 Chart Radar Systems	(EU)2023/1667	DK-MED000131	2025-03-22	2443

3 U.S. Coast Guard Number

If applicable, this manufacturer can affix the U.S. Coast Guard approval number as allowed by the “Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment”, Decision No. 1/2023 signed May 26th, 2023.


4 Conditions of Validity

The reference to Module B certificates relate to the issue of certificate valid at the time of issue. Any later issue(s) are also valid within the validity dates of this Module D certificate.

This certificate authorises the manufacturer (or his authorised representative established within the EU community) to affix the “Mark of Conformity” (Wheel Mark), in conjunction with an EC Type Examination (Module B) certificate appropriate, to one of the item designation types listed above.

This certificate loses its validity if the manufacturer makes any changes or modifications to the approved quality system which have not been notified to and agreed with TÜV SÜD DANMARK ApS.

The manufacturer must immediately cease affixing the “Mark of Conformity” on any product subject to suspension, termination, expiry, withdrawal or revocation of the supporting EC Type Examination (Module B) Certificate.

Signature: 	Date: 21/05/2024
(Tom J. Twynam)	
On behalf of TÜV SÜD DANMARK ApS	