

Marine Equipment Directive Declaration of Conformity

Manufacturer: Northrop Grumman Sperry Marine B.V.
Haringbuisweg 33
3133 KP Vlaardingen
THE NETHERLANDS

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Equipment in the declaration:

VisionMaster FT CAT2 Radars and CAT2 High Speed Craft Radars, comprising the equipment listed overleaf.

Declaration:

The equipment listed below is in conformity with the relevant community harmonisation legislation described in the Marine Equipment Directive 2014/90/EU of the European Parliament and of the Council and Commission Implementing Regulation (EU) 2021/1158.

Implementing Regulation Item number and item designation:

MED/4.35 for CAT2 Radar equipment

MED/4.37 for CAT2H Radar equipment for high speed craft applications

MED/4.38(b) for CAT2C Radar equipment approved with a chart option

MED/4.38(d) for CAT2HC Radar equipment for high speed craft applications approved with a chart option.

Standards Applied:

IMO Performance Standards and Resolutions

A.278(VIII), A.694(17), MSC.191(79), MSC.192(79), MSC.302(87), MSC.1/Circ.1349 and ITU-R M.1177-4 (04/11).

IEC Test Standards

IEC 62388 Ed 2:2013 Marine Shipborne Radar Equipment

IEC 60945:2002 including Corrigendum 1 (2008)

General Requirements for Marine Navigation Equipment

IEC 62288 Ed 2:2014 Presentation of Navigation Related Information on Shipborne Navigation Displays

IEC 61162-1 Ed 5:2016 Digital Interfaces

IEC 61162-2 Ed 1:1998 Digital Interfaces - high-speed transmission

IEC 61162-450: 2018 Digital Interfaces - Ethernet interconnection

IEC 62923-1:2018 Maritime navigation and radiocommunication equipment and systems – Bridge alert management (Part 1: Operational and performance requirements, methods of testing and required test results)

IEC 62923-2:2018 Maritime navigation and radiocommunication equipment and systems – Bridge alert management (Part 2: Alert and cluster identifiers and other additional features)

Certification:

Module B Type Examination has been carried out by TÜV SÜD Danmark, Notified Body No 2443, as shown on Certificates No DK-MED001125 Issue 05 and DK-MED001129 Issue 05.

Module D Conformity to Type based on quality assurance of the production process has been confirmed by TÜV SÜD Danmark, Notified Body No 2443, as shown on the EC Certificate of Conformity DK-MED005726-H1 Issue 03.

Equipment list:

Type Number	Description
65901AE or 65901AF	Processor – Dual Radar/Chart Radar ^{Note 1}
65901AT or 65901AU	Processor – Radar/Chart Radar ^{Note 1}
65901AC	Processor – Radar Client ^{Note 1}
65901AS	Processor – Radar Server ^{Note 1}
RA00009746	Network switch
65900AA or 65900AB	VMFT PCIO Interface Unit
65940AA	Auxiliary PCIO
65903KF, 65903KG or 65903KH	Control Panel (Kit Form)
65900685	Mains Distribution Unit
65934AB	24" Panel PC ^{Note 1, 2}
65817G	CAT2 19" LCD Monitor
65920BTAF, BTAG, BTBF or BTBG, 65920CTAF, CTAG, CTBF or CTBG	Integrated 19" Displays ^{Note 1}
65910⊙A◇	Transceiver/Turning Unit (10kW)
65925⊙A◇	Transceiver/Turning Unit (25kW)
65830 M*R or N*◇	Transceiver/Turning Unit (30kW)
65810 E,F,G,H, or L	Transceiver (10kW)
65825 E,F,G,H, or L	Transceiver (25kW)
65831A or B	Transceiver (30kW)
65901BAR or CA◇	Turning Unit
65830B*R or C*◇	Turning Unit
65837A♣	Scanner Control Unit
65604A	X-Band Antenna 4ft
65606A	X-Band Antenna 6ft
65608A	X-Band Antenna 8ft
65612A	S-Band Antenna 12ft
65842A	2 Way Interswitch Unit
65846A	6 Way Interswitch Unit
65849A	Slave Junction Box
4802181	Network Serial Interface
68001AA	Secure Maritime Gateway
32SDT001	CAT1/ECAT2 Radar Security Device
32SDT002	CAT1/ECAT2 Radar with Chart option Security Device
32SDT005	Multi-node Security Device
32SDT006	Total Watch Security Device
32SDT008	CAT2 Security Device

Option Codes:

* E, F, G, H, J, K, L, M, P, Q, R or S

⊙ M, N, P, T or W

◇ R, T or U

♣ B, C, E, F or H

Note 1: Fitted with software version 15.1.0

Note 2: For CAT2 Client of Client Server Radar only.



Mark Steel, Head of Engineering

22nd June 2022

Date of Issue

DoC 075B

Certificate Number

