



## UK Merchant Shipping (Marine Equipment) Regulations Declaration of Conformity

**Manufacturer:** Northrop Grumman Sperry Marine B.V.  
118 Burlington Road  
New Malden  
Surrey, KT3 4NR  
United Kingdom

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 requirements of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended, under Annex 1 of the listed Amendment of MSN 1874 for the types of equipment identified.

MSN 1874 Amendment: Amendment 5

**MSN 1874 (M+F) Item number and item designation:**

UK/4.35 for CAT2 Radar equipment  
UK/4.37 for CAT2H Radar equipment for high speed craft applications  
UK/4.38(b) for CAT2C Radar equipment approved with a chart option  
UK/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 TUV SUD BABT, UK Approval Body No. 0168, as shown on Certificates No. BABT-UKMA000009 Issue 1 and BABT-UKMA000013 Issue 1.

Module D Conformity to Type based on quality assurance of the production process has been confirmed by TUV SUD BABT, UK Approval Body No. 0168, as shown on the UKCA Marine Certificate of Conformity BABT-UKMA005726-H1 Issue 1.

**Equipment list:**

<b>Type Number</b>	<b>Description</b>
65901AE or 65901AF	Processor – Dual Radar/Chart Radar <sup>Note 1</sup>
65901AT or 65901AU	Processor – Radar/Chart Radar <sup>Note 1</sup>
65901AC	Processor – Radar Client <sup>Note 1</sup>
65901AS	Processor – Radar Server <sup>Note 1</sup>
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
65817G	CAT2 19" LCD Monitor
65920BTAF, BTAG, BTBF or BTBG, 65920CTAF, CTAG, CTBF or CTBG	Integrated 19" Displays <sup>Note 1</sup>
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
32SDR001 or 32SDT001	CAT1/ECAT2 Radar Security Device
32SDR002 or 32SDT002	CAT1/ECAT2 Radar with Chart option Security Device
32SDR005 or 32SDT005	Multi-node Security Device
32SDR006 or 32SDT006	Total Watch Security Device
32SDR008 or 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 15.0.0



Mark Steel, Head of Engineering

25<sup>th</sup> February 2022

Date of Issue

**DoC 074B-UKCA**

Certificate Number