



## 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 CAT1 Radars and CAT1 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/4.34 for CAT1 Radar equipment  
UK/4.37 for CAT1H Radar equipment for high speed craft applications  
UK/4.38(a) for CAT1C Radar equipment approved with a chart option  
UK/4.38(c) for CAT1HC 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 Approved Body No. 0168, as shown on Certificates No. BABT-UKMA000008 Issue 02 and BABT-UKMA000012 Issue 02.

Module D Conformity to Type based on quality assurance of the production process has been confirmed by TUV SUD BABT, UK Approved Body No. 0168, as shown on the UKCA Marine Certificate of Conformity BABT-UKMA005726-H1 Issue 01.

## Equipment list:

### Type Number

65901AE or 65901AF  
65901AT or 65901AU  
65901AC  
65901AS or 65901AZ  
RA00009746  
65900AA or 65900AB  
65940AA  
65903KF, 65903KG, 65903KH or 67003KH  
65903AF, 65903AG, 65903AH or 67003AH  
65900685  
65926AA or 65926AB  
65823A or 65923C  
65926L, 65926H or 65926P  
65910⊙A◇  
65925⊙A◇  
65830 M\*R or N\*◇  
65810 E,F,G,H, or L  
65825 E,F,G,H, or L  
65831A or B  
65901BAR or CA◇  
65830B\*R or C\*◇  
65837A♣  
65604A  
65606A  
65608A  
65612A  
65842A  
65846A  
65849A  
4802181  
68001AA  
32SDT001  
32SDT002  
32SDT005  
32SDT006

### Description

Processor – Dual Radar/Chart Radar <sup>Note 1</sup>  
Processor – Radar/Chart Radar <sup>Note 1</sup>  
Processor – Radar Client <sup>Note 1</sup>  
Processor – Radar Server <sup>Note 1</sup>  
Network switch  
VMFT PCIO Interface Unit  
Auxiliary PCIO  
Control Panel (Kit Form)  
Control Panel (Deck Console)  
Mains Distribution Unit  
25.5" Panel PC <sup>Note 1</sup>  
CAT1 23" LCD Monitor  
CAT1 25.5" LCD Monitor  
Transceiver/Turning Unit (10kW)  
Transceiver/Turning Unit (25kW)  
Transceiver/Turning Unit (30kW)  
Transceiver (10kW)  
Transceiver (25kW)  
Transceiver (30kW)  
Turning Unit  
Turning Unit  
Scanner Control Unit  
X-Band Antenna 4ft  
X-Band Antenna 6ft  
X-Band Antenna 8ft  
S-Band Antenna 12ft  
2 Way Interswitch Unit  
6 Way Interswitch Unit  
Slave Junction Box  
Network Serial Interface  
Secure Maritime Gateway  
CAT1/ECAT2 Radar Security Device  
CAT1/ECAT2 Radar with Chart option Security Device  
Multi-node Security Device  
Total Watch 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



Mark Steel, Head of Engineering

22<sup>nd</sup> June 2022

Date of Issue

**DoC 075A-UKCA**

Certificate Number