



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 1 and BABT-UKMA000012 Issue 1.

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 1.

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

32SDR001 or 32SDT001
 32SDR002 or 32SDT002
 32SDR005 or 32SDT005
 32SDR006 or 32SDT006

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

Description

Processor – Dual Radar/Chart Radar ^{Note 1}
 Processor – Radar/Chart Radar ^{Note 1}
 Processor – Radar Client ^{Note 1}
 Processor – Radar Server ^{Note 1}
 Network switch
 VMFT PCIO Interface Unit
 Auxiliary PCIO
 Control Panel (Kit Form)
 Control Panel (Deck Console)
 Mains Distribution Unit

25.5" Panel PC ^{Note 1}
 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

CAT1/ECAT2 Radar Security Device
 CAT1/ECAT2 Radar with Chart option Security Device
 Multi-node Security Device
 Total Watch Security Device

Note 1: Fitted with software version 15.0.0



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 Mark Steel, Head of Engineering

25th February 2022

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 Date of Issue

DoC 074A-UKCA

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 Certificate Number