



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 02 and BABT-UKMA000013 Issue 02.

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 01.

Equipment list:

Type Number

65901AE or 65901AF
65901AT or 65901AU
65901AC
65901AS
RA00009746
65900AA or 65900AB
65940AA
65903KF, 65903KG or 65903KH
65900685
65934AB
65817G
65920BTAF, BTAG, BTBF or BTBG,
65920CTAF, CTAG, CTBF or CTBG
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
32SDT008

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)
Mains Distribution Unit
24" Panel PC ^{Note 1, 2}
CAT2 19" LCD Monitor
Integrated 19" Displays ^{Note 1}
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
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-UKCA

Certificate Number