Sperry Marine

NORTHROP GRUMMAN

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 ECDIS, 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) Amendment 5, Item number and item designation:
UK/4.30 Electronic chart display and information system (ECDIS) with backup, and raster chart display system (RCDS).

Standards Applied:
IMO Performance Standards and Resolutions
MSC.191(79), MSC.232(82), MSC.302(87) and A.694(17)

IEC Test Standards

IEC 61174:2015	Electronic Chart Display and Information System
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)

IHO Standards
IHO S-52 'Specifications for Chart Content and Display Aspects of ECDIS' Edition 6.1(.1)
IHO S-52 Annex A 'IHO ECDIS Presentation Library' Edition 4.0(.3)
IHO S-63 'IHO Data Protection Scheme' Edition 1.2.(1)
IHO S-64 'Instruction Manual for the use of IHO Test Data Sets in ECDIS' Edition 3.0.3

Certification:
Module B Type Examination has been carried out by TUV SUD BABT, UK Approval Body No. 0168, as shown on Certificate No. BABT-UKMA000010 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.

Certificate Number: DoC 074C-UKCA

Equipment list:

Type Number	Description
65901AN or 65901AP	Processor – ECDIS [Note 1]
65901AC	Processor – ECDIS Client [Note 1]
65901AE, 65901AF, 65901AT or 65901AU	Processor (with Radar Overlay) [Note 1]
RA00009746, RA00004325 or RA00014423	Network switch
65900AA or 65900AB	VMFT PCIO Interface Unit
65940AA	Auxiliary PCIO (Dual)
65903KF, 65903KG, 65903KH, 67003KF or 67003KH	Control Panel (Kit Form)
65903AF, 65903AG, 65903AH, 67003AF or 67003AH	Control Panel (Deck Console)
65900685	Mains Distribution Unit
65926AA or 65926AB	25.5" Panel PC [Note 1]
65823A or 65923C	23" LCD Monitor
65926L, 65926H or 65926P	25.5" LCD Monitor
65817G	19" LCD Monitor
65920BTAF, BTAG, BTBF or BTBG	Integrated 19" Displays (with Radar Overlay) [Note 1]
65920CTAF, CTAG, CTBF or CTBG	
65920BNAF, BNAG, BNBF or BNBG	Integrated 19" Displays [Note 1]
65920CNAF, CNAG, CNBF or CNBG	
4802181	Network Serial Interface
32SDR003 or 32SDT003	ECDIS Security Device
32SDR004 or 32SDT004	ECDIS with Radar Overlay Security Device
32SDR005 or 32SDT005	Multi-node Security Device
32SDR006 or 32SDT006	Total Watch Security Device
4801162	Serial Interface
1982776	Analogue Interface
4303153	Heading Mode Joystick

Note 1: Fitted with software version 15.0.0

Mark Steel, Head of Engineering

25th February 2022
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Date of Issue

DoC 074C-UKCA

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Certificate Number