

Marine Equipment Directive Declaration of Conformity

Manufacturer: Northrop Grumman Sperry Marine B.V.
Haringbuisweg 33
3133 KP Vlaardingen
THE NETHERLANDS

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 relevant community harmonisation legislation described in the Marine Equipment Directive 2014/90/EU of the European Parliament and of the Council and Commission Implementing Regulation (EU) 2021/1158.

Implementing Regulation Item number and item designation:
MED/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 TÜV SÜD Danmark, Notified Body No 2443, as shown on Certificate No DK-MED001126 Issue 04.

Module D Conformity to Type based on quality assurance of the production process has been confirmed by TÜV SÜD Danmark, Notified Body No 2443, as shown on the EC Certificate of Conformity DK-MED005726-H1 Issue 03.

Equipment list:

Type Number

65901AN or 65901AP
65901AC
65901AE, 65901AF, 65901AT or 65901AU
RA00009746, RA00004325 or RA00014423

65900AA or 65900AB
65940AA
65903KF, 65903KG, 65903KH, 67003KF or 67003KH
65903AF, 65903AG, 65903AH, 67003AF or 67003AH
65900685

65926AA or 65926AB
65823A or 65923C
65926L, 65926H or 65926P

65817G

65920BTAF, BTAG, BTBF or BTBG
65920CTAF, CTAG, CTBF or CTBG

65920BNAF, BNAG, BNBF or BNBG
65920CNAF, CNAG, CNBF or CNBG

4802181

32SDR003 or 32SDT003
32SDR004 or 32SDT004
32SDR005 or 32SDT005
32SDR006 or 32SDT006

4801162
1982776

4303153

Description

Processor – ECDIS ^{Note 1}
Processor – ECDIS Client ^{Note 1}
Processor (with Radar Overlay) ^{Note 1}
Network switch

VMFT PCIO Interface Unit
Auxiliary PCIO (Dual)
Control Panel (Kit Form)
Control Panel (Deck Console)
Mains Distribution Unit

25.5" Panel PC ^{Note 1}
23" LCD Monitor
25.5" LCD Monitor

19" LCD Monitor

Integrated 19" Displays (with Radar Overlay) ^{Note 1}

Integrated 19" Displays ^{Note 1}

Network Serial Interface

ECDIS Security Device
ECDIS with Radar Overlay Security Device
Multi-node Security Device
Total Watch Security Device

Serial Interface
Analogue Interface

Heading Mode Joystick

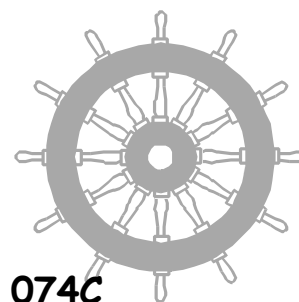
Note 1: Fitted with software version 15.0.0



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Mark Steel, Head of Engineering

21st December, 2021

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Date of Issue



DoC 074C

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Certificate Number