

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 CAT1 Radars and CAT1 High Speed Craft Radars, 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/4.34 for CAT1 Radar equipment

MED/4.37 for CAT1H Radar equipment for high speed craft applications

MED/4.38(a) for CAT1C Radar equipment approved with a chart option

MED/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 TÜV SÜD Danmark, Notified Body No 2443, as shown on Certificates No DK-MED001124 Issue 04 and DK-MED001128 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

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

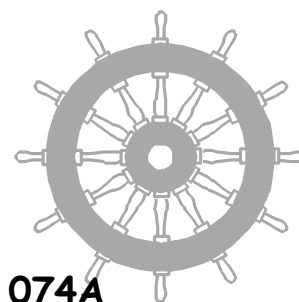
Note 1: Fitted with software version 15.0.0



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Mark Steel, Head of Engineering

21st December, 2021

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Date of Issue



DoC 074A

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Certificate Number