

## *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 HSC Radars fitted with Software version 12.0.0 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)2019/1397.

**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 for HSC Radar equipment approved with a chart option.

**Standards Applied:**

**IMO Performance Standards and Resolutions**

A.278 (VIII), A694 (17), MSC191 (79), MSC192 (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
IEC 61162-450:2011 with Am1 (2016)	Digital Interfaces (for RADAR image transfer to a Voyage Data Recorder)

Module B Type Examination has been carried out by TUV SUD Denmark, Notified Body No 2443, as shown on Certificates No DK-MED001124 Issue 01 and DK-MED001128 Issue 01.

Module D Conformity to Type based on quality assurance of the production process has been confirmed by TUV SUD Denmark, Notified Body No 2443, as shown on the EC Certificate of Conformity DK-MED005726-H1 Issue 01.

**Equipment List:**

VisionMaster FT CAT1 Radars and CAT1 HSC Radars

<b>Type Number</b>	<b>Description</b>
65901AE or 65901AF	Processor – Dual Radar/Chart Radar
65901AT or 65901AU	Processor – Radar/Chart Radar
65901AC	Processor – Radar Client
65901AS or 65901AZ	Processor – Radar Server
RA00009746	Network switch
65900AA or 65900AB	VMFT PCIO Interface Unit
65940AA	Auxiliary PCIO
65903KF, 65903KG, 65903KH or 67003KH	Control Panel (Kit Form)
65903AF, 65903AG, 65903AH or 67003AH	Control Panel (Deck Console)
65900685	Mains Distribution Unit
65926AA	25.5" Panel PC
65823A or 65923C	CAT1 23" LCD Monitor
65926L, 65926H or 65926P	CAT1 25.5" LCD Monitor
65910⊙A◇	Transceiver/Turning Unit (10kW)
65925⊙A◇	Transceiver/Turning Unit (25kW)
65830 M*R or N*◇	Transceiver/Turning Unit (30kW)
65810 E,F,G,H, or L	Transceiver (10kW)
65825 E,F,G,H, or L	Transceiver (25kW)
65831A or B	Transceiver (30kW)
65901BAR or CA◇	Turning Unit
65830B*R or C*◇	Turning Unit
65837A♣	Scanner Control Unit
65604A	X-Band Antenna 4ft
65606A	X-Band Antenna 6ft
65608A	X-Band Antenna 8ft
65612A	S-Band Antenna 12ft
65842A	2 Way Interswitch Unit
65846A	6 Way Interswitch Unit
65849A	Slave Junction Box
4802181	Network Serial Interface
32SDR001 or 32SDT001	CAT1 Security Device
32SDR002 or 32SDT002	CAT1 with Chart option Security Device
32SDR005 or 32SDT005	Multi-node Security Device
32SDR006 or 32SDT006	Total Watch 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



Pete Cullinane, Engineering Director

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