

## *Marine Equipment Directive Declaration of Conformity*

**Manufacturer:** Northrop Grumman Sperry Marine B.V.  
118 Burlington Road  
New Malden  
Surrey, KT3 4NR  
United Kingdom

**Declaration:**

It is hereby certified that the Equipment listed conforms to the Council Directive for Marine Equipment 2014/90/EU of the European Parliament and of the Council.

This declaration of conformity only covers CAT1 Radars, other declarations cover CAT2 Radars (DOC 48B) and ECDIS & Track Control (DOC 48C).

**MED Approval categories are listed below:**

- A.1/4.34 for CAT1 Radar equipment
- A.1/4.37 for CAT1H Radar equipment for high speed craft applications
- A.1/4.38(a) for CAT1C Radar equipment approved with a chart option
- A.1/4.38(c) for CAT1HC for HSC Radar equipment approved with a chart option.

**Module B** Type Examination has been carried out by Notified Body No 0038 as shown on Certificates No MED 1400002/M2 and MED 1400006/M2.

**Module D** Surveillance has been carried out by Notified Body No. 0038 as shown on the EC Certificate of Conformity MED1500031.

**Standards Applied:**

IMO Performance Standards and Resolutions  
MSC191 (79), MSC192 (79) and A694 (17)

IEC Test Standards

IEC 62388 Ed 2:2013 Marine Shipborne Radar Equipment  
IEC 60945:2002 including Corrigendum 1 (2008)

IEC 62288 Ed 2:2014	General Requirements for Marine Navigation Equipment
IEC 61162-1 Ed 4:2010	Presentation of Navigation Related Information on Shipborne Navigation Displays
IEC 61162-2 Ed 1:1998	Digital Interfaces
IEC 61162-450:2011	Digital Interfaces

**Equipment:**

VisionMaster FT CAT1 Radars and CAT1 HSC Radars

Type Number	Description
65901AE	Processor – Dual Radar/Chart Radar
65901AT	Processor – Radar/Chart Radar
65901AC	Processor – Radar Client
65901AS	Processor – Radar Server
RA00009746	Network switch
65900AA or 65900AB	VMFT PCIO Interface Unit
65940AA	Auxiliary PCIO
65903KF, 65903KG or 65903KH	Control Panel (Kit Form)
65903AF, 65903AG or 65903AH	Control Panel (Deck Console)
65900685	Mains Distribution Unit
65823A or 65923C	CAT1 23" LCD Monitor
65926L	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	CAT1 Security Device
32SDR002	CAT1 with Chart option Security Device
32SDR005	Multi-node Security Device
32SDR006	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

  
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 Nick Hollaway, Technical Director

*3<sup>rd</sup> October 2016*  
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 Date of Issue

**DOC 048A**  
 .....  
 Certificate Number