

## Marine Equipment Directive 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 CAT2 Radars and CAT2 HSC Radars fitted with Software version 11.0.0 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) 2018/773.

**Implementing Regulation Item number and item designation:**

MED/4.35 for CAT2 Radar equipment  
MED/4.37 for CAT2H Radar equipment for high speed craft applications  
MED/4.38(b) for CAT2C Radar equipment approved with a chart option  
MED/4.38(d) for CAT2HC for HSC Radar equipment approved with a chart option.

**Standards Applied:**

**IMO Performance Standards and Resolutions**

A278(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                            | Digital Interfaces (for RADAR image transfer to a Voyage Data Recorder)         |

Module B Type Examination has been carried out by Lloyd's Register Verification, Notified Body No 0038, as shown on Certificates No MED1900004/M2 and MED1900009/M2.

Module D Conformity to Type based on quality assurance of the production process has been confirmed by Lloyd's Register Verification, Notified Body No 0038, as shown on the EC Certificate of Conformity MED1800031/M5.

## Equipment List:

### VisionMaster FT CAT2 Radars and CAT2 HSC Radars

| Type Number                   | Description                            |
|-------------------------------|--|
| 65901AE or 65901AF            | Processor – Dual Radar/Chart Radar     |
| 65901AT or 65901AU            | 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 or 65903KG or 65903KH | Control Panel (Kit Form)               |
| 65900685                      | Mains Distribution Unit                |
| 65817G                        | CAT2 19" LCD Monitor                   |
| 65920BTAF, BTAG, BTBF or BTBG | Integrated 19" Displays                |
| 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            |
| 32SDR008 or 32SDT008          | CAT2 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

21 JUNE 2019  
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Date of Issue

DoC 0588  
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Certificate Number

