

## *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 ECDIS-E fitted with Software version 10.0.1 comprising of 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/4.30 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 A694(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 4:2010	Digital Interfaces
IEC 61162-2 Ed 1:1998	Digital Interfaces
IEC 61162-450:2011	Digital Interfaces (for ECDIS image transfer to a Voyage Data Recorder)

**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(.2)  
IHO S-63 'IHO Data Protection Scheme' Edition 1.2.0  
IHO S-64 'Instruction Manual for the use of IHO Test Data Sets in ECDIS' Edition 3.0.2

Module B Type Examination has been carried out by TUV SUD BABT, Notified Body No 0168, as shown on Certificates No BABT-MED000051 Issue 07.

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 MED1500031/M2.

**Equipment List:**

VisionMaster FT ECDIS-E

Type Number	Description
65934AA	Processor with Display
65934600	Trackerball Interface Unit
32SDR011 or 32SDT011	ECDIS-E Security Device
65934615	Serial Port Expander



Pete Cullinane, Engineering Director

19-NOV-18

Date of Issue

DoC 053

Certificate Number

