Sperry Marine

NORTHROP GRUMMAN

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 ECDIS-E fitted with Software version 12.2.0 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/4.30 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 5:2016	Digital Interfaces
IEC 61162-2 Ed 1:1998	Digital Interfaces
IEC 61162-450:2011 with Am1 (2016)	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 TÜV SÜD Danmark, Notified Body No 2443, as shown on Certificates No DK-MED000051 Issue 12.

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 01.

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

Nick Hollaway, Technical Director

3RD MARCH 2020
Date of Issue

DoC 065E
Certificate Number