

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, 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) 2020/1170.

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 A.694(17)

IEC Test Standards

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|---|---|
| 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 - high-speed transmission |
| IEC 61162-450:2011 with Am1:2016 | Digital Interfaces - Ethernet interconnection |

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


Certification:
Module B Type Examination has been carried out by TÜV SÜD Danmark, Notified Body No 2443, as shown on Certificates No DK-MED000051 Issue 13.

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 02.

Equipment list:

| Type Number | Description |
|----------------------|--|
| 65934AA | Processor with Display ^{Note 1} |
| 65934600 | Trackerball Interface Unit |
| 32SDR011 or 32SDT011 | ECDIS-E Security Device |
| 65934615 | Serial Port Expander |

Note 1: Fitted with software version 12.4.0


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Nick Hollaway, Technical Director

23 October 2020

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DoC 071E

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Certificate Number

