

Marine Equipment Directive EC Declaration of Conformity

Manufacturer: Northrop Grumman Sperry Marine B.V.
Woltmanstrasse 19
D-20097 Hamburg, Germany

ABS Quality Evaluations ISO 9001:2015 Certificate No: 32652

Declaration: We hereby declare that the following specified equipment complies with the Marine Equipment Directive 2014/90/EU.

This equipment has been tested to verify compliance with the Regulations and Testing Standards according to implementing regulation (EU) 2018/773

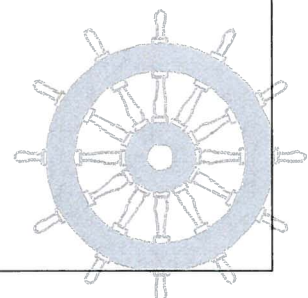
| | |
|--|---|
| <ul style="list-style-type: none"> — SOLAS 74 Reg. V/18, — SOLAS 74 Reg. V/19, — IMO Res.A.424(XI), — IMO Res.A.694(17), — IMO Res.MSC.191(79), — IMO Res.MSC.302(87). | <ul style="list-style-type: none"> — ISO 8728:2014, — IEC 60945 (2002) incl. IEC 60945 Corr. 1 (2008), — IEC 61162-1 (2016), — IEC 61162-2 ed1.0 (1998-09), — IEC 62288 Ed. 2.0 (2014-07). |
|--|---|

as per EC - Type Examination Certificate (Module B) and
QS - Certificate of Assessment - EC (Module D) issued by:

Notified Body No. 0098 DNV GL SE

Equipment:

| Gyro compass (MED/4.3) CompassNet | | (1) EC TYPE EXAMINATION (B) Cert. No.: |
|--|--|--|
| Type No. | Designation | (2) EC QUALITY SYSTEM (D) Cert. No.: |
| 5026 | Gyrocompass System NAVIGAT 200 | (1) MEDB000025J Rev. 2 (2) MEDD00000ZJ Rev. 6 |
| 5026-AA | NAVIGAT 100 | |
| 4911 or 5000 | Gyrosphere | |
| 4991-4000 | Gyrosphere and Container Mod 10/3 | |
| 5026-4000 | Gyrosphere and Container Mod 10/4 | |
| 5021 | NAVIGAT 3000 | |
| 5023 | NAVIGAT 2200 | |
| 5018 | Converter and Amplifier Unit | |
| 5018-5100 | Converter and Amplifier Board | |
| 5017 | Data Distribution Unit | |
| 5017-2000 | DDU Processor Module | |
| 5019 | NAVITWIN V | |
| 5016-AA, 4881, 4881-AA, | Steering Repeater (Console Mounted) | |
| 5016-AB, 4881-AD | Steering Repeater (Console Mounted) (Magnetic Heading) | |
| 5016-AC, 4881-AC, 4881-AK | Repeater (Bulkhead Mounted) | |
| 5016, 5016-BB, 4881-AB, 4881-AM | Bearing Repeater | |
| 4622-AB, 4622-AC, 4622-AD | Bearing Repeater Stand | |
| 1812783 | Bearing Repeater Stand | |
| 4890, 4905 | Bearing Repeater Bracket with Terminal Box | |
| 4884, 4894 | Terminal box | |
| 4914 | Gyrocompass System NAVIGAT X MK 1 | |
| 4991 | Gyrocompass System NAVIGAT X MK 2 | |
| 4913 | Gyrocompass System NAVIGAT 2100 | |
| 5023 | Gyrocompass System NAVIGAT 2200 | |
| 5021 | Gyrocompass System NAVIGAT 3000 | |
| 4923 | Compass Monitor NAVITWIN III | |
| 4994 | Heading Management System NAVITWIN IV | |

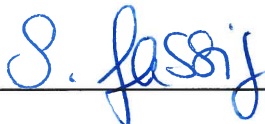


Gyro compass (MED/4.3) CompassNet

| Type No. | Designation | (1) EC TYPE EXAMINATION (B) Cert. No.: | (2) EC QUALITY SYSTEM (D) Cert. No.: |
|------------------------------|------------------------------------|--|--------------------------------------|
| 4805 | Voyage Data Printer NAVIPRINT | (1) MEDB000025J Rev. 2 (2) MEDD00000ZJ Rev. 5 | |
| 4926 | Gyrocompass Control Unit | | |
| 4863 | Fluxgate Coil For Magnetic Compass | | |
| DTR600 | Digital Tape Repeater | | |
| 4891 | Universal Digital Repeater | | |
| 4806-AC, 4806-AD, 4806-AE | Multifunction Display NAVIDATA | | |
| 4932 | Switch-Over Box | | |
| 4936, 4992 | Splitter Box | | |
| 55555 | Opto Isolator | | |
| 2568 | Power Supply Unit | | |

The technical documentation for this equipment is retained at the above mentioned manufacturer's address.

Signed for an on behalf of the manufacturer:



Sandra Gassig, Product Line Manager

Hamburg, 13.08.2019

Place and date of issue

