

Certificate No: NAVHH002016-042-138

Date of Issue: 17. October 2016

Expiration Date: 22. October 2021

NORTHROP GRUMMAN

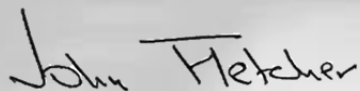
Sperry Marine

Product Training Certificate
Northrop Grumman Sperry Marine certify

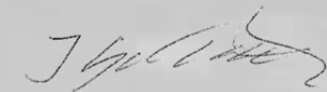
Volker Wehdemeyer
Querin, Germany

as an authorised Marine Service Engineer (MSE) to install,
commission and service the products listed below:

- Gyrocompass NAVIGAT 100
- Gyrocompass NAVIGAT 200
- Serial Repeater incl. Universal Digital Repeater (UDR)
- NAVITWIN V and Data Distribution Unit (DDU)
- Converter and Amplifier Unit (CAU / CAB)
- Sperry Universal Service Instrument (SUSI)



John Fletcher
Northrop Grumman Sperry Marine
Global Service Manager



Jens Schaak
Northrop Grumman Sperry Marine
Service Instructor

Certificate is only valid while in the employment of the Employer listed above and Services Products within the confines of their authorised Territory

Certificate No: NAVHH002016-042-131

Date of Issue: 17. October 2016

Expiration Date: 22. October 2021

NORTHROP GRUMMAN

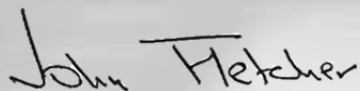
Sperry Marine

Product Training Certificate
Northrop Grumman Sperry Marine certify

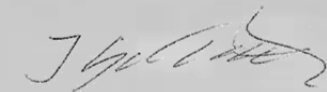
Volker Wehdemeyer
Querin, Germany

as an authorised Marine Service Engineer (MSE) to install,
commission and service the products listed below:

- NAVIGAT X MK 1 MOD 10-1/2/3, MOD 7-1/2
- NAVIGAT X MK 2 MOD 10-2/3
- NAVIGAT 2100, NAVIGAT 3000
- Repeater incl. UDR
- NAVITWIN IV and NT IV with GAS
- Switch Over Unit
- SUSI



John Fletcher
Northrop Grumman Sperry Marine
Global Service Manager



Jens Schaak
Northrop Grumman Sperry Marine
Service Instructor

Certificate is only valid while in the employment of the Employer listed above and Services Products within the confines of their authorised Territory

Certificate No: NAVHH002016-042-145

Date of Issue: 17. October 2016

Expiration Date: 22. October 2021

NORTHROP GRUMMAN

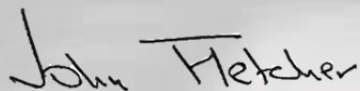
Sperry Marine

Product Training Certificate
Northrop Grumman Sperry Marine certify

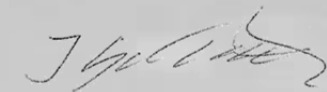
Volker Wehdemeyer
Querin, Germany

as an authorised Marine Service Engineer (MSE) to install,
commission and service the products listed below:

- NAVIPILOT 4000
- NAVIGUIDE 4000
- Rudder Angle Calibrator
- Steering Failure Alarm
- SUSI



John Fletcher
Northrop Grumman Sperry Marine
Global Service Manager



Jens Schaak
Northrop Grumman Sperry Marine
Service Instructor

Certificate is only valid while in the employment of the Employer listed above and Services Products within the confines of their authorised Territory

Certificate No: GYRHH2019-47-183
Date of Issue: 18. November 2019
Expiration Date: 21. November 2024

NORTHROP GRUMMAN

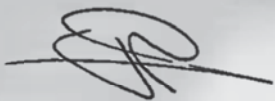
Sperry Marine

Product Training Certificate
Northrop Grumman Sperry Marine certify

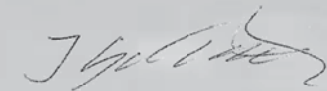
Andi Junge
Ing.-Buero Querin GmbH, Germany

as an authorised Marine Service Engineer (MSE) to install,
commission and service the products listed below:

- Gyrocompass NAVIGAT 100
- Gyrocompass NAVIGAT 200
- Gyrocompass NAVIGAT 2200
- Serial Repeater incl. Universal Digital Repeater (UDR)
- NAVITWIN V and Data Distribution Unit (DDU)
- Converter and Amplifier Unit (CAU / CAB)
- Sperry Universal Service Instrument (SUSI)
- Maintenance on Navigat X MK-Series



Julian Reichert
Northrop Grumman Sperry Marine
Global Service Manager



Jens Schaak
Northrop Grumman Sperry Marine
Service Instructor

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