

EC CERTIFICATE TYPE EXAMINATION (MODULE B)

This is to certify that:

DNV GL SE, a Notified Body under the terms of the Marine Equipment Directive 96/98/EC of 20 December 1996, notified by the German Federal Ministry of Transport, Building and Urban Development, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 96/98/EC as amended, subject to any conditions in the schedule attached hereto.

Certificate No.	45 355 - 16 HH
Applicant	Northrop Grumman Sperry Marine B.V. German Branch Woltmanstr. 19 20097 Hamburg, GERMANY
Product Description	Bearing Device
Product Name	Azimuth Device
Trade Name	PV23, Type 2535, 2535-AA PV24, Type 2695
Specified Standards	ISO 25862 (2009), IEC 60945 (2002) including IEC 60945 Corrigendum 1 (2008).
Related Directive	(EU) 2015/559
Equipment Section	Navigation equipment
Annex A.1 Item No.	A.1/4.54
Date of Re-issue	2016-06-03
Expiry Date	2021-05-22

DNV GL SE

Notified Body No.: 0098

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Christine Mydlak-Röder
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Schedule of Approval

Approval Documentation

Test reports:

Environmental tests 106-16 issue 1 dated 2016-05-12, 107-16 issue 1 dated 2016-05-12, HO 7-038 dated 2016-03-02.

Test Report 9049-15-48909-157 dated 2016-03-02.

Technical Data

The bearing device PV23 is especially for bearing repeater type: 4881, 5016

The bearing device PV24 is especially for magnetic compass type: 2060, 2555

Manuals: 056376 (PV23), 056016 (PV24)

Remarks

None

Limitations on the acceptance or use of the product

None

Notes:

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL SE, as the Notified Body, of any modifications or changes to the approved equipment.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.



The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body.