

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

That the Heading control system (HCS)

with type designation(s)
TRACKPILOT Platinum

Issued to

Wärtsilä SAM Electronics GmbH
Hamburg, Germany

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2017/306**,
item No. MED/4.16. SOLAS 74 as amended, Regulations V/18 & V/19, IMO Res. A.342(IX),
IMO Res. A.694(17), IMO Res. MSC.191(79), IMO Res. MSC.64(67) Annex 3, IMO Res.
MSC.302(87)

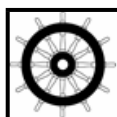
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2020-05-28**.

Issued at **Hamburg** on **2017-04-04**

DNV GL local station:
Hamburg

Approval Engineer:
Jörg Rebel



Notified Body
No.: **0098**

for **DNV GL SE**

Sven Dudszus
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment", signed February 27th, 2004.

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. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU. This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL SE of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled. 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.



Product description

The track control system TRACKPILOT Platinum may be used with the following multi-functional devices: MULTIPILLOT Platinum and/or RADARPILOT Platinum

The following components are necessary for operation:

Platinum Trackpilot Electronics Type: GE3069 or GE3069 A011 or GE3069 A021, Software version 2.0.x
Platinum Trackpilot Interface Type: GE3060

To be connected with:

Display Electronics Platinum	Type: GE3068 Axxx, Software version 2.1.x
Operating Unit Platinum	Type: BD3030
Sensor Interface Platinum	Type: DCU 2010, or DPU/SIO 2010, or DPU 2020
Network Switch Platinum	Type: MOXA EDS 408A-xx or EDS 510-xx
Power Supply Platinum (2x)	Type: Phoenix STEP PS/1AC/24VDC/1, 75 or QUINT PS/1AC/24DC/10

A type approved rudder angle feedback sensor with analogue interface transmitting the actual rudder position

A type approved heading monitor

A type approved gyro compass

A type approved SDME

An optional ADO System (Azipod Dynamic Optimizer) from ABB with serial data link according to IEC 61162-1 transmitting the optimized Azipod toe angle via proprietary telegram

Options:

CONNINGPILOT Platinum

The CONNINGPILOT Platinum may be used as a conning display or central alert display with the above mentioned multi-functional devices, Software version: 2.1.x

Application/Limitation

None

Type Examination documentation

Tests carried out

Applicable tests according to ISO 11674 (2006), IEC 60945 (2002) incl. Corrigendum 1 (2008), IEC 62288 (2014), IEC 61162-1 (2010) and IEC 61162-2 (1998).

Job Id: **344.1-006848-2**
Certificate No: **MEDB00002J4**

Marking of product

According to Article 10 of the Council Directive (MED):

- The wheel mark shall be affixed visibly, legibly and indelibly to the product or to its data plate and, where relevant, embedded in its software. Where that is not possible or not warranted on account of the nature of the product, it shall be affixed to the packaging and to the accompanying documents.
- The wheel mark shall be affixed at the end of the production phase.
- The wheel mark shall be followed by the identification number of the notified body, where that body is involved in the production control phase, and by the year in which the mark is affixed.
- The identification number of the notified body shall be affixed by the body itself or, under its instructions, by the manufacturer or the manufacturer's authorised representative.

For specific products, manufacturers may use an appropriate and reliable form of electronic tag instead of, or in addition to, the wheel mark.

END OF CERTIFICATE