



Bundesrepublik Deutschland
Federal Republic of Germany

BSH-Cert

Benannte Stelle – Navigations- und Funkausrüstung
beim Bundesamt für Seeschifffahrt und Hydrographie
Notified Body – Navigation and Radiocommunication Equipment
at the Federal Maritime and Hydrographic Agency



NOTIFIED
BODY
0735

EC TYPE EXAMINATION (MODULE B) CERTIFICATE

This is to certify that:

BSH-Cert, specified as a “notified body” under the terms of „Schiffssicherheitsgesetz“ of 09 September 1998 (BGBl. I, p. 2860) modified last 23 January 2014 (BGBl. I, p. 78), did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the Navigation requirements of Marine Equipment Directive (MED) 96/98/EC and the last modification by Directive 2015/559/EU.

Manufacturer **Thrane & Thrane A/S**
Address **Lundtoftegaardsvej 93D, 2800 Kgs. Lyngby, Denmark**

Applicant **Cobham SATCOM**
Address **Lundtoftegaardsvej 93D, 2800 Kgs. Lyngby, Denmark**

Annex A.1 Item (No & item designation) **4.14 GPS equipment
4.50 DGPS equipment
4.15 GLONASS equipment
4.51 DGLONASS equipment**

Product Name **SAILOR 6560* GNSS System, SAILOR 6570 DGNSS System (*only GPS/GLONASS)**

Trade Name(s) **----**

Specified Standard(s)

IMO Resolution MSC.112(73)	IEC 61108-1 Ed.2.0, 2003
IMO Resolution MSC.113(73)	IEC 61108-2 Ed.1.0, 1998
IMO Resolution MSC.114(73)	IEC 61108-4 Ed.1.0, 2004
IMO Resolution MSC.115(73)	IEC 60945 Ed.4.0, 2002 incl. Corr. 1, 2008
IMO Resolution A.694(17)	IEC 61162-1 Ed.4.0, 2010
	IEC 61162-2 Ed.1, 1998
	IEC61162-450 Ed. 1, 2012
IMO Resolution MSC.191(79)	IEC 62288 Ed.2.0, 2014
IMO Resolution MSC.302(87)	CD IEC 62923, 2015 (applicable sections)
	IEC61924-2 Ed. 1 (Annex K)

Based on the Directive 2014/93/EU, additional applied version: Directive 2015/559/EU
This certificate remains valid unless cancelled, expired or revoked.

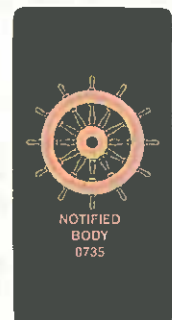
Date of issue: **7. September 2015** Issued by: **BSH-Cert**
Bernhard-Nocht-Str. 78, 20359 Hamburg, Germany
Expiry date: **6. September 2020** Notified body **0735**

Certificate No.: **4581/001/4142748/15**
USCG-Module-B No.: **165.130/EC0735** Unique Identifier: **4142748**

This certificate consists of 2 pages.



Kai-Jens Schulz-Reifer



Components necessary for operation:

Component	Part No.	Remarks
6588 DGNSS Receiver	TT-6588A	Software version 1.0x
6004 Control Panel	TT-6004A	
6285 GNSS Antenna	TT-6285A	Only GPS/GLONASS function
or 6286 DGNSS Antenna	TT-6286A	GPS/GLONASS and DGPS/DGLONASS function

Optional components for Operation:

A SAILOR 6280 AIS Transponder and a SAILOR 6390 Navtex Receiver can be connected to the system in order to provide full AIS and Navtex functionality. The AIS and Navtex functions are not covered by this certificate. Additional AIS and Navtex certificates are necessary.

The actual related certificate numbers are:

SAILOR 6390/91 Navtex: BAPT-MED000058

SAILOR 6280/81 AIS: BAPT-MED000046

Approval Documentation:

Assessment report BSH/4543/001/4112865/15-4	IEC 61108-4:2004
Test report BSH/4543/001/4112865/15-2	IEC 62288 Ed2
Test report BSH/4543/001/4112865/15-3	IEC 61162-1:2010
	IEC 61162-2:1998
	IEC 61162-450:2012
	IEC CD 62923:2014 (MSC.302(87))
Test report BSH/4543/001/4112865/15	IEC 61108-1:2003
	IEC 61108-2:1998
Test Report Nemko E12207.00 Sailor 6004	IEC 60945
Test Report TuVSUD 75930071 Report 02 Issue 2	IEC 60945 EMC
Test Report TuVSUD 75930071 Report 03 Issue 2	IEC 60945 Operational
Test Report TuVSUD 75930071 Report 01 Issue 2	IEC 60945 ENV

Places of production:

Limitations on the acceptance or use of the product:

Notes:

The manufacturer shall inform BSH-Cert, as the notified body, of any modifications to the type-tested product(s) that may affect compliance with the requirements or conditions laid down for use of the product(s).

In case the specified regulations or standards are amended during the validity of this certificate, the product(s) must be re-certified before being placed on board vessels to which such amended regulations or standards apply.

The Mark of Conformity (wheelmark) may only be affixed to the type approved equipment, and a Manufacturer's Declaration of Conformity may only be issued, if the product quality system fully complies with the Marine Equipment Directive and is certified by a notified body against ANNEX B module D, E, or F of the Directive.

U.S. Coast Guard Approval

This product has been assigned a U.S. Coast Guard Module B number (165.xxx/EC0735/Unique Identifier [if other than EC 0735: /Number of the notified body which certifies the quality assurance system]) to note type approval to Module B only as it pertains to obtaining U.S. Coast Guard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Maritime Equipment" signed February 27th, 2004, and additional information given by U.S. Coast Guard by E-Mail 2010.

Notice on legal remedies available:

Objection to this document may be filed within one month after notification. The objection must be filed in writing to, or put on record at, Federal Maritime and Hydrographic Agency, Bernhard-Nocht-Str. 78, 20359 Hamburg, Germany