



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 **Saab TransponderTech AB**
Address **Låsblecksgatan 3, 58941 Linköping, SWEDEN**

Applicant **Saab TransponderTech AB**
Address **Låsblecksgatan 3, 58941 Linköping, SWEDEN**

Annex A.1 Item (No & item designation) **4.32 Universal automatic identification system equipment (AIS)**

Product Name **R5 SUPREME AIS /
R5 SUPREME AIS & Navigation System**

Trade Name(s) **R5 SUPREME AIS, R5 SUPREME AIS & Navigation System, R5
SUPREME SECURE W-AIS SYSTEM**

Specified Standard(s)

IMO Resolution A.694(17)	IEC 61993-2 Ed.2.0, 2012
IMO Resolution MSC.74(69) Annex 3	IEC 61108-1 Ed.2.0, 2003
IMO Resolution MSC 191(79)	IEC 60945 Ed.4.0, 2002 incl. Corr. 1, 2008
ITU-R M.1371-5 (Class A), 2014	IEC 61162-1 Ed.4.0, 2010
ITU-R M.825-3, 1998	IEC 61162-2 Ed.1.0, 1998
ITU-R M.1084-5, 2012	IEC 62288 Ed.2.0, 2014

Based on the Directive 2013/52/EU, additional applied version: Directive 2014/93/EU
This certificate remains valid unless cancelled, expired or revoked.

Date of issue: **6 May 2015**

Issued by: **BSH-Cert**

Expiry date: **5 May 2020**

Bernhard-Nocht-Str. 78, 20359 Hamburg, Germany
Notified body 0735

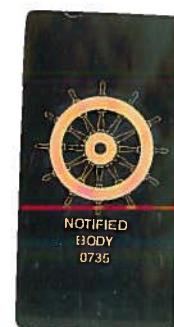
Certificate No.: **4581/001/4322522/15**

USCG-Module-B No.: **165.155/EC0735** Unique Identifier: **4322522**

This certificate consists of 2 pages.



Kai Jens Schulz-Reifer



Components necessary for operation:

Component	Part No.	Remarks
R5 SUPREME AIS Transponder	7000 118-10X	Software version: R5 1.1.X
R5 CDU	7000 118-11X	Software Version: R5 SUPREME CDU 1.1.X
Alternative MKD: SAM RADARPILOT Platinum or SAM MULTIPLOT Platinum or SAM ECDISPILOT Platinum or SAM ECDISPILOT Basic	According BSH certificate: BSH/46122/4342653/14 BSH/46122/4342654/14 4581/001/4302655/14 BSH46122/4302225/12	
VHF antenna BA 1012	7000 000-077	or equivalent VHF antenna
VHF/GPS antenna AC Marine VHF/GPS-B	7000 000-435	alternative VHF/GPS antenna
GPS antenna MA 700 or GPS antenna AT575-68	7000 000-485 7000 000-135	alternative GPS antenna

Optional Components for operation:

An R5 SUPREME GPS/DGPS/GNSS/DGNSS can be connected to the system in order to provide full GPS/DGPS/GNSS/DGNSS functionality. The GPS/DGPS/GNSS/DGNSS function of the R5 SUPREME GPS/DGPS/GNSS/DGNSS System is not covered by this certificate. An additional GPS/DGPS/GNSS/DGNSS certificate is necessary.

Component	Part No.	Remarks
R4 DGPS Navigation Sensor or R4 GPS Navigation Sensor	7000 109-140 7000 109-141	DGPS and GPS functionality, only
R4 DGNSS Navigation Sensor or R4 GNSS Navigation Sensor	7000 109-180 7000 109-181	DGNSS and GNSS (GPS+GLONASS)
R4 Sensor DGPS antenna MGL-4 or R4 Sensor GPS antenna MGA-2 or R4 Sensor DGPS antenna MXB5	7000 000-359 7000 000-263 7000 000-552	GPS and DGPS functionality, only
R4 Sensor DGNSS antenna MGL-5 or R4 Sensor GNSS antenna MGA-3	7000 000-555 7000 000-554	DGNSS and GNSS (GPS+GLONASS)
Network switch Moxa EDS-408A		

Approval Documentation:

Assessment Report No.: BSH/46121/4322380/13-4 (IEC 61993-2)dated: 2013-06-12
 Test Report No.: BSH/46121/4322380/13-1 (IEC 61993-2)dated: 2013-04-17
 Test Report No.: BSH/4612/4322108/12-1 (IEC 61993-2 Sections 14, 16-21)
 Test Report No.: BSH/4612/4322108/12-3 (IEC 62288 Sections 4, 7)
 Test Report No.: BSH/4612/4322108/12-6 (IEC 60945 Sections 6, 11.1, 13-15)
 Test Report No.: BSH/4612/4321964/12-1 (IEC 61993-2)
 Test Report No.: BSH/4612/4321964/12-2 (IEC 61108-1)
 Test Report No.: BSH/4543/001/4322523/14 (IEC 61993-2)
 Test Report No.: BSH/4543/001/4322711/15 (IEC62288 Ed.2.0, IEC 61993-2)
 Test Documentation to Approval Certificate 4581/001/2406/14 GPS/DGPS/GNSS/DGNSS
 Assessment Report No.: BSH/4612/4321964/12-4 (IEC 61993-2 Section 15)
 Operation & Installation Manual: R5 SUPREME AIS Transponder System, 7000 118-300, revision E1

Places of production: -----**Limitations on the acceptance or use of the product:**

This certificate is only valid for the different versions of R5 Systems if they are operated in Class A mode (normal mode).

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.

The AIS radio transponder is required to be authorized by U.S. Federal Communication Commission (FCC).

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