



# 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 2014/93/EU.

Manufacturer **Consilium Marine & Safety AB**  
Address **Västra Finnbodavägen 2-4, 13105 Nacka, SWEDEN**

Applicant **Consilium Marine & Safety AB**  
Address **Västra Finnbodavägen 2-4, 13105 Nacka, SWEDEN**

Annex A.1 Item (No & item designation) **4.7 Speed and distance measuring equipment (SDME)**

Product Name **SAL R1a**

Trade Name(s) **SAL R1a**

#### Specified Standard(s)

IMO-Resolution A.694(17)	IEC 61023 Ed.3.0, 2007
IMO-Resolution A.824(19)	IEC 60945 Ed.4.0, 2002 incl. Corr. 1, 2008
IMO-Resolution MSC.96(72)	IEC 62288 Ed.2.0, 2014
IMO-Resolution MSC.191(79)	IEC 61162-1 Ed.4.0, 2010

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: **27 February 2015**

Issued by: **BSH-Cert**

Expiry date: **26 February 2020**

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

Certificate No.: **4581/001/4072707/15**

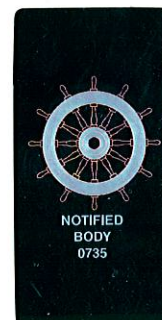
USCG-Module-B No.: **165.105/EC0735**

Unique Identifier: **4072707**

This certificate consists of 2 pages.



Kai-Jens Schulz-Reifer



**Components necessary for operation:**

Component	Type designation
Speed log main Unit	SAL R1a ELC
Transducer	SAL R1 TRU
Speed Log Master Display	SAL SD4-3

**Optional components for operation:**

Component	Type designation
Speed Log Processing Unit	SAL LPU2
Analogue speed indicator	SIA2-8
Serial Digital Display	SAL SD4-X (all versions)
Serial Digital Display with pulse output	SAL SD4-X
NMEA Splitter	1N4B

**Serial Display accessories:**

Component	Type designation
Bulkhead mounting box	SD4 BMB

**Approval Documentation:**

SAL R1a System Manual U/N 703810

Assessment Report No.: BSH/4612/4071840/11 (IEC 61162-1 Ed.4.0)

Assessment Report No.: BSH/4612/4071591/10 (IEC 62288)

Assessment Report No.: BSH/4612/4071591/10-1 (IEC 61023, IEC 61162-1)

**Places of production:**

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**Limitations on the acceptance or use of the product:**

Speed and distance measuring equipment for measuring speed through water

**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 27<sup>th</sup>, 2004.

**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