

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



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 (BGBI. I, p. 2860) modified last 23 January 2014 (BGBI. 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

FT-TEC GmbH

Address

Werner von Siemens Strasse 5, 7343 Neutal, AUSTRIA

Applicant

FT-TEC GmbH

Address

Werner von Siemens Strasse 5, 7343 Neutal, AUSTRIA

Annex A.1 Item

4.55 AIS SART equipment

(No & item designation)

SEAANGEL SA14-SART

Product Name Trade Name(s)

SEAANGEL

Specified Standard(s)

IMO Resolution A.694(17)	IEC 61097-14 Ed.1.0, 2010
IMO Resolution MSC.246(83)	IEC 60945 Ed.4.0, 2002 incl. Corr.1, 2008 ²
IMO Resolution MSC.247(83)	IEC 61162 series ³ /
IMO Resolution MSC.256(84)	1114
IMO Resolution A.802(19)	1 1/4
ITU-R M.1084-5	8/ /
ITU-R M.1371-5, 2014 ¹	
as relevant to AIS SADT 2 limited to requirement of IEO C	1000

as relevant to AIS SART

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:

15 December 2014

Issued by: BSH-Cert

Bernhard-Nocht-Str. 78, 20359 Hamburg, Germany

Notified body 0735

Expiry date:

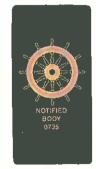
14 December 2019

Certificate No.: 4581/001/4552646/14

This certificate consists of 2 pages.



Kai-Jens Schulz-Reifer



limited to requirements of IEC 61097-1

equipment has no interfaces

Components necessary for operation:

Component	Type or part number	Remarks
Transceiver	SEAANGEL SA14-SART	Software Version: 1.2.x
GPS antenna	internal	
VHF antenna	internal	

Approval Documentation:

Test Report No.: BSH/4543/001/4552802/14-1 IEC 61097-14 Protocol test report

Test Report No.: BSH/4543/001/4142824/14-2 IEC 61108 GPS test report

Test Report No.: BSH/4543/001/4552802/14-4 IEC 61097-14 Physical radio assessment report Test Report No.: BSH/4543/001/4552802/14-5 IEC 60945 Environmental tests assessment report

Test Report No.: BSH/4543/001/4552802/14-6 IEC 60945 Operational test report

Certificate No.: 897 Compass safe distance

User Manual SEAANGEL, Model SA14-SART, Issue date: 15.12.2014, Version 1.0

Places of production:

FT-TEC GmbH, Werner von Siemens Strasse 5, 7343 Neutal, AUSTRIA

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.

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