

EC TYPE-EXAMINATION (MODULE B) CERTIFICATE

Marine Equipment Directive (MED) 96/98/EC

PHOENIX TESTLAB
Notified Body Number **0700**

Recognized by the German Federal Maritime and Hydrographic Agency (BSH)

This is to certify that:

PHOENIX TESTLAB 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 as last amended by COMMISSION DIRECTIVE (EU) 2015/559, subject to any conditions in the schedule attached hereto.

Certificate No.	PTL-MED-B-16-110730
Applicant	FT-TEC Electronics GmbH
Address	Werner von Siemens-Strasse 5 7343 Neutal, AUSTRIA
Manufacturer	FT-TEC Electronics GmbH
Address	Werner von Siemens-Strasse 5 7343 Neutal, AUSTRIA
Annex A.1 Item (No & Item designation)	A.1/4.55 Search and rescue locating devices (SRLD): AIS SART equipment
Product Description	AIS SART equipment
Brand Name / Model Name	SEAANGEL, SA15 AIS FLARE

Specified Standards

SOLAS 74 as amended:
Regulation III/4, III/6, III/26, IV/7, IV/14
IMO Res. MSC.246(83)
IMO Res. MSC.256(84)
ITU-R M. 1371-5 (2014)¹

IEC 60945 Ed. 4.0 (2002) incl. Corr. 1 (2008)²
IEC 61097-14 Ed. 1.0 (2010)

¹ as relevant to AIS SART ² limited to the requirements of IEC 61097-14

Date of issue

2016-05-13

Expiry date:

2021-05-12

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service. The conditions for the validity of this certificate are listed in the Annex.

The attached Schedule of Approval forms part of this certificate. This certificate consists of 3 pages.



Signed by Dieter Griep
Notified Body

Phone +49(0)5235-9500-24
Fax +49(0)5235-9500-28
notifiedbody@phoenix-testlab.de

PHOENIX TESTLAB GmbH
Königswinkel 10
D-32825 Blomberg, Germany
www.phoenix-testlab.de

Schedule of Approval

Technical description

Frequency Range	161.975 MHz (AIS 1) and 162.025 MHz (AIS 2)
Transmit Power	1.0 W / 30 dBm (nominal EIRP)
Software Version	1.3.x

System Components

Main Unit	SEAANGEL SA15 AIS FLARE
GPS antenna	internal
VHF antenna	internal

Approval documentation

User Manual	SA15 AIS FLARE Maritime distress beacon, Revision 1.9, 2016-04-16
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Applied Standards and Test Reports

Specification	Laboratory	Test Report Number / Version
IEC 60945 EMC tests	Phoenix Testlab	F153662E2, 2016-02-17
IEC 60945 Environmental tests	Phoenix Testlab	U153662E1, 2016-01-22
IEC 60945 Environmental tests	Phoenix Testlab	U153662E3, 2016-02-23
IEC 61097-14 Operational tests	Phoenix Testlab	F160768E1, 2016-04-19
IEC 61097-14 Physical radio tests	Phoenix Testlab	F153662E1, 2016-02-16
IEC 61097-14 Link layer tests	BSH	BSH/4543/001/4363009/16-1, 2016-04-15
IEC 61108-1 GPS test report	BSH	BSH/4543/001/4142824/14, 2014-09-30
IEC 60945 Compass safe distance	BSH	Certificate No. 938a, 2016-04-12



Places of production

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

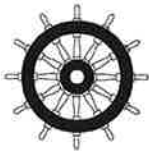
Limitations / Restrictions

- None -

Notes

1. This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with PHOENIX TESTLAB.
2. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/them being placed on board vessels to which the amended regulations or standards apply.

3.



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-control phase module (D, E, or F) of ANNEX B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

