

# EC TYPE-EXAMINATION (MODULE B) CERTIFICATE

Marine Equipment Directive (MED) 2014/90/EU

**PHOENIX TESTLAB**  
Notified Body Number **0700**

Recognised by



**0800S11/4822/007**

This is to certify that:

PHOENIX TESTLAB did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 2014/90/EU, subject to any conditions in the schedule attached hereto.

<b>Certificate No.</b>	PTL-MED-B-21-110572
<b>Manufacturer</b>	FT-TEC Electronics GmbH
<b>Address</b>	Werner von Siemens-Strasse 5 7343 Neutal, AUSTRIA
<b>Directive Reference (No &amp; Item designation)</b>	Directive 2014/90/EU, Regulation (EU) 2020/1170 MED/4.55 Search and rescue locating devices (SRLD): AIS SART equipment
<b>Product Name / Trade Name</b>	SEAANGEL, SA15 AIS FLARE

## Specified Standards

SOLAS 74 as amended: Regulation III/4, III/6, III/26, IV/7, IV/14	ITU-R M. 1371-5 (2014) IEC 60945 Ed. 4.0 (2002) incl. Corr. 1 (2008)
IMO Res. MSC.246(83)	IEC 61097-14 Ed. 1.0 (2010)
IMO Res. MSC.256(84)	

Date of issue: **2021-06-07**      Expiry date: **2026-06-06**

This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with.

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



Signed by Klaus Knörig  
Notified Body

## 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	F153662E3, 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



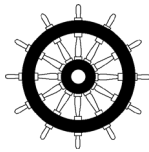
### Limitations / Restrictions

- None -

### Notes

1. This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with PHOENIX TESTLAB.
2. Should the specified regulations or standards be amended during the period of validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on the market and 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 II of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

