



Notified body authorised by the MCA

Marine Equipment Directive EC Type Examination Module B Certificate

This is to certify that TUV SUD BABT did undertake the relevant type approval procedures for the equipment identified below, which was found to be in compliance with the Marine Equipment Directive (2014/90/EU) requirements, under the following Implementing Regulation for the listed types of equipment

Implementing Regulation	(EU)2017/306
Certificate Holder and Manufacturer	em-trak Marine Electronics Ltd Wireless House, First Avenue Westfield Industrial Estate Midsomer Norton Bath, BA3 4BS United Kingdom
Authorised Representative	SRT Marine Systems plc Wireless House, First Avenue Westfield Industrial Estate Midsomer Norton Bath, BA3 4BS United Kingdom
Product(s)	SART 100 (409-0018)
Product Sector	Navigation Equipment
Product Type	MED/4.55 Search and rescue locating devices (SRLD): AIS SART equipment

and on the basis of the Technical Data and information detailed in the Annex to this certificate.

Valid from: 14 March 2018

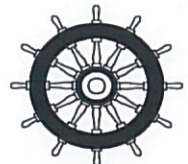
(Signature):

Expiry Date: 25 February 2023

This certificate has been issued in accordance with the Certification Regulations of TUV SUD BABT (Notified Body Number 0168) and constitutes page 1 of the combined Certificate and Annex.

The Conditions for the validity of this certificate are listed in the Annex.

For further details, related to this certification please contact BABT@TUV-SUD.co.uk

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Issued by TUV SUD BABT under document number BABT-MED000038 Issue 02

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Annex to Marine Equipment Directive Module B Type Examination Certificate



1 Equipment Description

AIS SART Equipment

1.1 Models

Model	Description
409-0018	em-trak SART 100 ^{Note 1}

2 Assessed Requirements

2.1 Implementing Regulation (EU)2017/306

2.2 Compliance Requirements for MED/4.55

IMO Resolutions	International Testing Standards	
IMO Res. A.694(17)	IEC 60945 (2002) incl. IEC 60945 Corr.1 (2008)	Maritime navigation and radiocommunication equipment and systems – General requirements
IMO Res. MSC.246(83) IMO Res. MSC.302(87) ^{Note 2} ITU-R M.1371-5 (2014)	IEC 61097-14 (2010)	Global maritime distress and safety system (GMDSS) – Part 14: AIS search and rescue transmitter (AIS-SART)

3 Technical Documentation

3.1 Declaration of Conformity

Declaration of Conformity v4 Dated 2018-02-14

3.2 User Guide

Mercury Manual v2 Modified 2012-11-05
201-0369 SART100 manual cover v3 Modified 2016-05-20

3.3 Build Status

3.3.1 Hardware

Overall Build Level: Revision 3
Circuit Diagram: 011-0018 - P205 Mercury Schematic v3 Dated 2012-10-10
Parts List: 5b 409-0002 Mercury BOM Oct 2012 Dated 2012-10-18

3.3.2 Software ^{Note 3}

Bootloader: 070100.01.02.00
Application: 070200.01.04.00

3.4 Test Reports

3.4.1 IEC 60945 (2002) incl. IEC 60945 Corr.1 (2008)

75917539 Report 06 Issue 1	Dated	2012-09-11
75917539 Report 07 Issue 1	Dated	2012-10-17
75917539 Report 09 Issue 2	Dated	2012-11-23
B9552	Dated	2012-03-02
4121	Dated	2012-03-22
Waiver oil resistance v2	Dated	2018-02-15

3.4.2 IEC 61097-14 (2010)

75917539 Report 01 Issue 1	Dated	2012-09-03
75917539 Report 05 Issue 1	Dated	2012-11-06
75917539 Report 08 Issue 1	Dated	2012-10-19
75917539 Report 09 Issue 2	Dated	2012-11-23
BSH/46121/4142383/12	Dated	2012-11-23
EFPS Statement	Dated	2018-02-15

3.5 Notes

- Note 1 This approval supports the use of battery type: Varta CR2/3AH.
- Note 2 Compliance with IMO Res. MSC.302(87) has been established by inspection due to the absence of any relevant requirements for this product.
- Note 3 This approval remains valid for equipment including subsequent minor software amendments which have been formally accepted in accordance with the Certification Regulations of TUV SUD BAPT.

4 Conditions of Validity

This issue of the Annex to the referenced Marine Equipment Module B certificate relates to Issue 02 of the certificate.

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 TUV SUD BAPT or a person appointed by TUV SUD BAPT to perform that role.

Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be reapproved prior to it/them being placed on the market or on board vessels to which the amended regulations or standards apply.

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.

Signature: <u> M Hardy </u> On behalf of TUV SUD BAPT	Date: <u> 14th March 2018 </u>
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