



## Marine Equipment Directive Module B Type Examination Certificate

This is to certify that TÜV SÜD BABT 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 96/98/EC as amended by Commission Directive 2011/75/EU and that the equipment of

***SRT Marine Technology Ltd***

of

Wireless House  
Westfield Industrial Estate  
Midsomer Norton  
Bath  
BA3 4BS  
UK

known as

**Humminbird SART SAR TX1**

conforms to the relevant requirements for the following equipment as listed in Marine Equipment Directive Annex A.1:

**Annex A.1/4.55 AIS SART Equipment**

as defined in Commission Directive 2011/75/EU

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

Signed:

*T. J. Tynan*

Issue Date:

27 September 2013

On Behalf of TÜV SÜD BABT

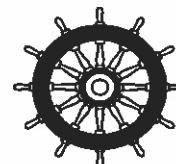
Number: BABT-MED000057

Issue:01

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

This certificate is valid from 27 September 2013 until not later than 26 September 2018

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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TÜV SÜD BABT • TÜV SÜD Group

Octagon House • Concorde Way • Fareham • Hampshire • PO15 5RL • United Kingdom

## Annex to

# Marine Equipment Directive Module B Type Examination Certificate

## Description of Equipment

Humminbird AIS SART Equipment

Model: TX1

## Compliance Matrix For MED Item A.1/4.55

IMO Resolutions	International Testing Standards	
IMO Res. A.694(17)	IEC 60945 (2002) inc Corr.1	General Requirements for Marine Navigation Equipment (Inc. Corr1:2008)
IMO Res. MSC.246(83) IMO Res. MSC.247(83) <sup>Note 1</sup> IMO Res. MSC.256(84) ITU-R M.1371-4	IEC 61097-14 (2010)	Global maritime distress and safety system (GMDSS) - Part 14: AIS Search And Rescue Transmitter (AIS-SART)
-	IEC 61162 Series <sup>Note 1</sup>	Digital Interfaces

## Manufacturer:

**Name:** Johnson Outdoors Marine Electronics, Inc  
**Address:** 1220 Old Alpharetta Road  
 Suite 340  
 Alpharetta  
 GA 30005  
 USA

## Authorised Representative in the EU:

**Name:** As Applicant  
**Address:** As Applicant

## Relevant Technical Documentation

**User Guide:** Mercury Manual v1b, last modified 2012-08-06  
 Declaration of User manual differences, 2013-09-26

**Test report numbers:** IEC 61097-14 (2010) 75917539 Report 05 Issue 1, 2012-11-06  
 75917539 Report 01 Issue 1, 2012-09-03  
 75917539 Report 08 Issue 1, 2012-10-19  
 BSH/46121/4142383/12, 2012-11-23  
 IEC 60945 (2002) 75917539 Report 06 Issue 1, 2012-09-11  
 (Inc. Corr1:2008) 75917539 Report 07 Issue 1, 2012-10-17  
 75917539 Report 09 Issue 2, 2012-11-23  
 B9552, 2012-03-02  
 4121, 2012-03-22

**Approved Software:** Bootloader: 070100.01.02.00  
Application: 070200.01.04.00

**Approved Hardware :** Overall Build Level      Revision 3  
Circuit Diagram      Drawing No. 011-0018 Rev 3,  
2012-10-10  
Parts List:      409-002 Mercury BOM Revision 5,  
2012-10-18

### **Additional Information:**

#### Notes:

- 1 - Compliance with IMO Res. MSC.247(83) and the IEC 61162 series has been established by inspection due to the absence of any relevant requirements for this product.
- 2 - The battery used with the TX1 should be as supplied by the manufacturer.

### **Conditions of Validity**

This issue of the Annex to the referenced Marine Equipment Module B Certificate relates to Issue 1 of the Certificate.

The assessed equipment is also in compliance with Directive 96/98/EC, as amended by Commission Directive 2012/32/EU, this Module B Certificate is also valid under that amendment.

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 TÜV SÜD BABT or a person appointed by TÜV SÜD BABT 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 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.

<p>Signed: <u>T. J. Twynam</u> on behalf of TÜV SÜD BABT</p>	<p>Date: <u>27<sup>th</sup> September '13</u></p>
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