



## 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 2012/32/EU and that the equipment of

***Orolia Limited***

of

Silver Point  
Airport Service Road  
Portsmouth  
PO3 5PB  
United Kingdom

known as

**McMurdo S4 RESCUE SART  
Kannad Marine Rescuer 2 SART**

conforms to the relevant requirements for the following equipment as listed in Marine Equipment Directive:

**Annex A.1/4.18 9GHz SAR Transponder (SART)**

as defined in Commission Directive 2012/32/EU

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

Signed: 

Issue Date: 08 September 2014

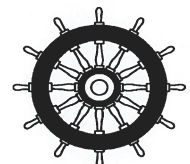
On Behalf of TÜV SÜD BABT

Number: BABT-MED001058 Issue: 02

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 08 September 2014 until not later than 07 September 2019

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](mailto: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

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### Description of Equipment

9 GHz Search and Rescue Radar Transponder

Model: McMurdo S4 RESCUE SART  
Kannad Marine Rescuer 2 SART

### Compliance Matrix For MED Item A.1/4.18

IMO Resolutions	International Testing Standards	
IMO Res.A.530(13) IMO Res.A.802(19) IMO Res.MSC.247(83)	IEC 61097-1:2007	Global maritime distress and safety system (GMDSS) —Part 1: Radar transponder — Marine search and rescue (SART)
IMO Res.A.694(17)	IEC 60945:2002 (Inc. Corr1:2008)	General Requirements for Marine Navigation Equipment

### Manufacturer:

Name: As Holder  
Address: As Holder

### Relevant Technical Documentation

**User Guide:** S4 Rescue SART User Manual,86-920-001 Issue 9, 2012-05-11  
Kannad Marine Rescuer 2 User Manual, 86-920-002 Issue 2, 2012-11-08

**Test report numbers:** IEC 61097-1: 2007: RM610860/01 Issue 1, 2003-10-15  
IEC 60945:2002: 3097, 2005-02-16  
(Inc. Corr1:2008) 005-05, 2005-02-22  
031-04, 2004-12-21  
030-04, 2004-12-20  
MED-S4 Exhibit 411, 2014-09-04

**Approved Hardware :** Overall Build Level S4 Family Tree, 86-900F Issue 13, 2011-03-28

### NOTES:

- 1- This approval remains valid for equipment including subsequent minor software amendments which have been formally accepted in accordance with the Certification Regulations of TÜV SÜD BABT.



### **Additional Information:**

The products listed on this certificate were originally assessed and certified by QinetiQ under Notified Body number 0191. This certificate replaces QinetiQ Certificate Numbers QQ-MED-20/09-01 and QQ-MED-20/09-04.

### **Conditions of Validity**

This issue of the Annex to the referenced Marine Equipment Module B Certificate relates to Issue 2 of the Certificate.

The assessed equipment is also in compliance with Directive 96/98/EC, as amended by Commission Directive 2013/52/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."

Signed:..... <u>L. Howler</u> : on behalf of TÜV SÜD BABT	Date: <u>24 September 2014</u>
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