



UK Approved Body Authorised
by the MCA



Marine Equipment UK Assessment Module B Type Examination Certificate

This is to certify that TUV SUD BABT UNLIMITED 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 the Merchant Shipping (Marine Equipment) Regulations 2016, as amended, under Annex 1 of the listed Amendment of MSN 1874 for the types of equipment identified.

MSN 1874 Amendment	Amendment 9
Certificate Holder and Manufacturer	Alltek Marine Electronics Corporation, 14F-2, No.237, Sec. 1, Datong Rd., Xizhi District New Taipei City, Taiwan 22161
Authorised Representative	McMurdo Ltd. Holbrook Court, E1 Cumberland Business Centre, Northumberland Road, Southsea, Hampshire, PO5 1DS, UK
Product(s)	Z650
Product Sector	Navigation equipment
Product Type	UK/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: 11 September 2024

M Hardy
(M J Hardy)

Expiry Date: 10 September 2029

TÜV SÜD BABT is a UKAS accredited Certification Body No. 0172.
This certificate has been issued in accordance with the TÜV SÜD Testing, Certification, Validation and Verification Regulations 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@tuvsud.com


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Annex to Marine Equipment UK Conformity Assessment Module B Type Examination Certificate

1 Equipment Description

AIS SART equipment

1.1 Models

Model	Description
Z650	McMurdo SMARTFIND S5A AIS SART
Z650	Kannad Marine SAFELINK AIS SART2
Z650	Cobham SAILOR 5052 AIS SART

2 Assessed Requirements

2.1 MSN 1874 Amendment 9 Annex 1

2.2 Compliance Requirements for UK/4.55 Row 1 of 1

Type approval requirements	Carriage and Performance Requirements
SOLAS 74 Reg III/4 SOLAS 74 Reg IV/14	SOLAS 74 Reg III/6 SOLAS 74 Reg III/26 SOLAS 74 Reg IV/7 IMO Res MSC.246(83) ITU-R M.1371-5:2014
Assessed Testing Standards	
IEC 60945:2002 incl. IEC 60945 corr.1:2008	IEC 61097-14:2010

3 Technical Documentation

3.1 Declaration of Conformity

Declaration of Conformity for McMurdo Z650 (DOC-Z650-V005) Modified 2024-08-06

3.2 User Guide

Kannad Safelink AIS SART2 User Manual (1001956 A05) Dated 2024-06-05
McMurdo Smartfind AIS SART S5A User Manual (1001955 A05) Dated 2024-06-05
SAILOR 5052 AIS SART User Manual (1001957 A05) Dated 2024-06-05

3.3 Test Reports

3.3.1 IEC 60945:2002 incl. IEC 60945 corr.1:2008

U112488E1, 3rd Version Issued 2012-07-30
HC10148B/2021 Dated 2021-03-20
HS1108300140A Dated 2011-09-07
HC70207A/2011 Dated 2011-09-22
HC60189A/2018 Dated 2018-07-17
HS1106290042A-2 Dated 2011-07-27
118010R-RFCEP76V01 Issued 2011-08-19
2120564R-E3012300003 Issued 2021-03-18
Bescheinigung 693 Dated 2012-01-30
129031R-ITCEP26V01 Issued 2012-09-13
BSH/4615/4361928/12-1 Dated 2012-04-11

3.3.2 IEC 61097-14:2010

AS500-TR-1202-Q01-01 Dated 2012-02-08
BSH/4615/4361928/12-1 Dated 2012-04-11
F112488E1 2nd Version Issued 2012-01-16
U181129E1 Issued 2018-08-08
F181129E1 Issued 2018-08-08
BSH/4543/001/4143083/16 Dated 2016-12-07

Annex to Marine Equipment UK Conformity Assessment Module B Type Examination Certificate

3.4 Build Status

3.4.1 Software ^{Note 1}

Version 1.1

3.4.2 Hardware

Build state: M-PCB-SARTV04

Schematic

Dated

2021-01-15

Parts list

Modified

2024-07-23

3.5 Notes

Note 1 This approval remains valid for equipment including subsequent minor software amendments which have been formally accepted in accordance with the TÜV SÜD Testing, Certification, Validation and Verification Regulations.

4 Conditions of Validity

This certificate ceases to 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.

During the period of validity of this certificate the applicable regulations (international conventions and the relevant resolutions and circulars of the IMO) and testing standards may change, therefore the product conformity may need to be re-assessed by the Approved Body.

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 Schedule 2 of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended is fully complied with and controlled by a written inspection agreement with an approved body.

Signature:


(M J Hardy)

Date:

11/09/2024

On behalf of TÜV SÜD BABT UNLIMITED