



Maritime &
Coastguard
Agency

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 | Orolia Limited Silver Point Airport Service Road Portsmouth PO3 5PB United Kingdom, |
| Product(s) | Z701 McMurdo Smartfind G8 AIS Z701 Kannad Safe PRO AIS Z702 McMurdo Smartfind G8 Z702 Kannad Safe PRO Z704 McMurdo Smartfind E8 Z704 Kannad Safe |
| Product Sector | Radiocommunications Equipment |
| Product Type | MED/5.6 406 MHz EPIRB (COSPAS-SARSAT) |

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

Valid from: 21 March 2018

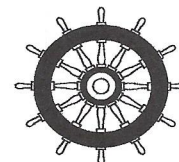
(Tom Twynam)

Expiry Date: 07 November 2022

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-MED000116 Issue 03

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Marine Equipment Directive Module B Type Examination Certificate

Description of Equipment

406 MHz Emergency Positioning Indicating Radio Beacon (EPIRB) Equipment (Manual Deployment) with optional internal GNSS and AIS.

Model: Z701 McMurdo Smartfind G8 AIS Notes 1, 2, 3, 4, 5, 6
 Z701 Kannad Safe PRO AIS Notes 1, 2, 3, 4, 5, 6
 Z702 McMurdo Smartfind G8 Notes 1, 2, 3, 5, 6
 Z702 Kannad Safe PRO Notes 1, 2, 3, 5, 6
 Z704 McMurdo Smartfind E8 Notes 1, 2, 3, 6
 Z704 Kannad Safe Notes 1, 2, 3, 6

Compliance Matrix For (EU)2017/306 Item MED/5.6

| 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 A.810(19) as amended by: IMO Res.MSC.56(66) & IMO Res.MSC.120(74) IMO Res MSC/Circ 862 IMO Res A.696(17) IMO Res A.662(16) ITU-R M.633-4 (12/10) ITU-R M.690-3 (03/15) | IEC 61097-2 (2008) | Global maritime distress and safety system (GMDSS) - Part 2: COSPAS-SARSAT EPIRB - Satellite emergency position indicating radio beacon operating on 406 MHz |

Relevant Technical Documentation

Declaration of Conformity:

Declaration of Conformity (Draft), 2017-07-06

User Guide:

Smartfind G8 AIS, Smartfind G8, Smartfind E8 EPIRB-AIS
 User Manual, 23-024-EN-Issue A
 Kannad Marine Safe Pro AIS, Safe Pro, Safe EPIRB-AIS
 User manual, 23-025-EN-Issue A

Test report numbers:

| IEC 61097-2 (2008) | |
|--|---|
| BSH/4542/001/4143066/17, 2017-07-13 | OC-0615-01 Issue 1, 2017-10-19 |
| 75931946 Report 07 Issue 1, 2017-10-26 | 7191166085-CHM17-CCK, 2017-07-27 |
| 75931946 Report 08 Issue 1, 2017-10-26 | 103143189LHD-001, 2017-08-16 |
| 75931946 Report 01 Issue 2, 2017-04-13 | 102921912LHD-001b, 2017-05-09 |
| 75931946 Report 05 Issue 2, 2018-02-23 | 75931946 Report 03 Issue 04, 2018-02-02 |
| 75931946 Report 04 Issue 5, 2018-02-02 | - |
| IEC 60945 (2002) Inc. Corr1 (2008) | |
| 75931946 Report 07 Issue 1, 2017-10-26 | 75931946 Report 06 Issue 1, 2017-10-31 |

Approved Software: V23-507Z Issue A

Approved Hardware :

Overall Build Level 23-500-001B Issue A
Circuit Diagram MED-Z701 Exhibit 05 - Circuit Diagram.pdf, 2017-10-03
MED-Z702 Exhibit 05 - Circuit Diagram.pdf, 2017-03-08
MED-Z704 Exhibit 05 - Circuit Diagram.pdf, 2017-03-08
Parts List: MED-Z701 Exhibit 07 – BOM.pdf, 2017-10-03
MED-Z702 Exhibit 07 – BOM.pdf, 2018-03-08
MED-Z704 Exhibit 07 – BOM.pdf, 2018-03-08

NOTES:-

- 1- These units are tested and assessed to Class 2 temperature requirements.
- 2- These units can be supplied together with a manual release bracket.
- 3- These units can be supplied together with an auto-release housing.
- 4- These units are equipped with AIS functionality operating at 162 MHz.
- 5- These units are additionally equipped with GNSS receiver and long message capability for precision position location.
- 6- Marine COSPAS-SARSAT 406MHz EPIRBs form a distress alerting component of the Global Maritime Distress & Safety System (GMDSS). These beacons have been granted COSPAS-SARSAT Type Approval Certification; TAC Report No.289, dated 20 July 2017 (Z701); TAC Report No.289-2, dated 01 March 2018 (Z702); TAC Report No.289-3, dated 06 March 2018 (Z704.)

Conditions of Validity

This issue of the Annex to the referenced Marine Equipment Module B Certificate relates to Issue 3 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 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: T. Turkan Date: 21st March 2018
on behalf of TÜV SÜD BABT