

Marine Equipment Directive EC Type Examination Module B Certificate

This is to certify that TÜV SÜD DANMARK ApS 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)2022/1157
Certificate Holder and Manufacturer	ACR Electronics Inc 5757 Ravenswood Road Fort Lauderdale Florida FL 33312 USA
EC Representative	Mr. K. Nieuwenhuis Paktuinen Enkhuizen 1602 Enkhuizen The Netherlands
Product(s)	RLB-44 GlobalFix V5
Product Sector	Radiocommunication Equipment
Product Type	MED/5.6 406 MHz Emergency Position Indicating Radio Beacon

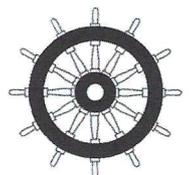
and on the basis of the Technical Data and information detailed in the Annex to this certificate.

Valid from: 12 December 2022


(Tom Twynam)

Expiry Date: 23 November 2027

This certificate has been issued in accordance with the TÜV SÜD Testing and Certification 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 Directive Module B Type Examination Certificate

1 Equipment Description

406 MHz Emergency Position Radio Beacon (EPIRB) with AIS and RLS

1.1 Models

Model
RLB-44 / GlobalFix V5 Category 1 EPIRB ^{Note 1}
RLB-44 / GlobalFix V5 Category 2 EPIRB ^{Note 2}

1.2 Components

Part No.	Description
2851	GlobalFix V5 Category 1 EPIRB
2852	GlobalFix V5 Category 2 EPIRB
2832	ACR Sea Shelter 4 Category 1 EPIRB Housing (no HRU)
9656	GlobalFIX V5Category 2 Manual Bracket
9490.1	ACR Hydrofix HRU Replacement Kit
1110	GlobalFIX V5 Battery Replacement Kit

2 Assessed Requirements

2.1 Implementing Regulation (EU)2022/1157

2.2 Compliance Requirements for MED/5.6

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. A.471(101) IMO Res. A.662 (16) IMO Res. MSC/Circ. 862 IMO COMSAR/Circ.32 ITU-R M.633-4 (12/10) ITU-R M.690-3 (03/15)	IEC 61097-2 (2021)	Global maritime distress and safety system (GMDSS) — Part 2: COSPAS-SARSAT EPIRB - Satellite emergency position indicating radio beacon operating on 406 MHz

3 Technical Documentation

3.1 Declaration of Conformity

ACR_GlobalFix V5 (RLB-44) MED DofC Modified 2022-10-19

3.2 User Guide

GlobalFix V5 User Manual, V1.02 Dated 2022-11-15



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Annex to Marine Equipment Directive Module B Type Examination Certificate

3.3 Test Reports

3.3.1 IEC 61097-2 (2021) & IEC 60945 (2002) incl. Corrigendum 1 (2008)

75953445 Report 01 Issue 05	Issued	2022-08-02
75953445 Report 03 Issue 01	Issued	2022-09-26
75953445 Report 05 Issue 01	Issued	2022-10-20
75927040 Report 04 Issue 01	Issued	2015-11-06
75927040 Report 03 Issue 02	Issued	2015-11-06
75952867 Report 03 Issue 01	Issued	2022-10-19
75952867 Report 06 Issue 02	Issued	2022-11-17
BSH/454.GNSS/TUVSUDLtd/9	Issued	2021-12-10
Description of the GNSS Receiver Cold Start Issue 1.	Dated	2022-09-23
GNSS Operation Cycle and its Phases Issue 1.	Dated	2022-09-23
OC-1185-01 Issue 01	Issued	2022-03-10
OC-1185-02 Issue 01	Issued	2022-07-11
14/508	Issued	2014-08-21
122021-1 Issue 02	Issued	2022-01-04
022022-1 Issue 1	Issued	2022-02-25
75950037 Report 09 Issue 01	Issued	2022-05-16
75950037 Report 10 Issue 01	Issued	2022-03-25

3.4 Build Status

3.4.1 Hardware

Circuit Diagram: 910S-03721 Issue 01.00	Dated	2022-05-25
PCB Layout: 800S-03721 Issue 01.00	Dated	2022-05-25
Parts List: 903S-04059 Issue 01.01 (Cat. 1)	Dated	2022-10-04
903S-04059 Issue 01.01 (Cat. 2)	Dated	2022-09-15

3.4.2 Software

500S-03885 Issue 01.00^{Note 3}

3.5 Notes

- Note 1 The GlobalFix V5 Part No. 2851 is a Category 1, Class 2 EPIRB when supplied with the 2831 ACR Sea Shelter 4 Cat. 1 EPIRB Housing.
- Note 2 The GlobalFix V5 Part No. 2852 is a Category 2, Class 2 EPIRB when supplied with the 9656 GlobalFIX V5/V6 Cat. 2 Manual Bracket.
- Note 3 This approval remains valid for equipment including subsequent minor software amendments which have been formally accepted in accordance with the TÜV SÜD Testing and Certification Regulations.
- Note 4 Cospas-Sarsat Type Approval has been completed for the GlobalFix V5 as defined within certificate references:
TAC 365, dated 2022-10-14 and TAC 1365 (with RLS), dated 2022-10-14

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4 Conditions of Validity

This certificate ceases to be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with TÜV SÜD DANMARK ApS or a person appointed by TÜV SÜD DANMARK ApS to perform that role.

During the period of validity of this certificate the applicable regulations (international conventions and relevant resolutions and circulars of the IMO) and testing standards of the Commission Implementing Regulation may change, therefore the product conformity may need to be re-assessed by TÜV SÜD DANMARK ApS.

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 the directive is fully complied with and controlled by a written inspection agreement with a notified body.

Signature: *T. J. Twynam*
(Thomas J. Twynam)

Date: 2022-12-12

On behalf of TÜV SÜD DANMARK ApS