CERTIFICAT ◆ CERTIFICADO ◆ СЕРТИФИКАТ ◆ 認證證書 ◆ CERTIFICATE ◆ ZERTIFIKAT

Maritime & Coastguard Agency

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 10**
Certificate Holder and Manufacturer	**Ocean Signal Limited** **Unit 4** **Ocivan Way** **Margate** **Kent, CT9 4NN** **United Kingdom**
Product(s)	**Pathfinder Pro**
Product Sector	**Navigation Equipment**
Product Type	**UK/4.18 Search and rescue locating devices (SRLD): 9GHz SAR Transponder (SART)**

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

Valid from: 16 December 2025 (Andy Little) Expiry Date: 21 September 2030

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

Search and rescue locating devices (SRLD): 9 GHz SAR transponder (SART).

1.1 Models

Model
Pathfinder Pro

1.2 Product Components

Identity	Description
Pathfinder Pro	SART Main Unit
2920	Battery Unit (LiFeS2)

2 Assessed Requirements

2.1 MSN 1874 Amendment 10 Annex 1

2.2 Compliance Requirements for UK/4.18 Row 2 of 2

Type approval requirements	Carriage and Performance Requirements
SOLAS 74 Reg. III/4 SOLAS 74 Reg. IV/14 SOLAS 74 Reg. V/18 SOLAS 74 Reg. X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 13 IMO Res. MSC.97(73)-(2000 HSC Code) 13	SOLAS 74 Reg. III/6 SOLAS 74 Reg. IV/7 SOLAS 74 Reg. III/26 IMO Res. A.694(17) IMO Res. MSC.36(63)-(1994 HSC Code) 8 IMO Res. MSC.36(63)-(1994 HSC Code) 14 IMO Res. MSC.97(73)-(2000 HSC Code) 8 IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res. MSC.510(105) ITU-R M.628-5 (03/2012)
Assessed Testing Standards	
IEC 60945:2002 incl. IEC 60945 Corr. 1:2008	IEC 61097-1:2007

3 Technical Documentation

3.1 Declaration of Conformity

UK Declaration of Conformity	Dated	2025-06-25

3.2 User Guide

Pathfinder Pro User Manual 912S-02017 issue 02.00	Dated	2024-03-13

3.3 Test Reports

3.3.1 IEC 60945 & IEC 61097-1

10/591	Issued	2010-09-23

3.4 Build Status

3.4.1 Hardware

SART Circuit Diagram 910S-00156 Issue 01.00	Dated	2010-10-05
General Assembly 900S-00541 Issue 03.00	Dated	2012-01-06
PCB Assembly 800S-00156 Issue 02.00	Dated	2013-02-06

3.4.2 Software

Firmware 500S-00740 Issue 01.00

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.

Note 2 In accordance with IEC 61097-1, Clause 6.7, it has been determined that the Pathfinder Pro operates correctly when interrogated at a distance of up to at least 7.1 nautical miles by a navigation radar complying with IMO Resolution A.477(XII) and A.222(VII) with an antenna height of 15 meters.

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 TUV SUD BABT or a person appointed by TUV SUD 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.

Date: 16/12/2025

Signature:

(Andy Little)

On behalf of TUV SUD BABT UNLIMITED