



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 2014/93/EU and that the equipment of

Ocean Signal Ltd

of

Unit 4
Ocivan Way
Margate
Kent
CT9 4NN
United Kingdom

known as

Pathfinder™ Pro

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

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

as defined in Commission Directive 2014/93/EU

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

Signed:  Issue Date: 15 October 2015

On Behalf of TÜV SÜD BABT Number: BABT-MED001120 Issue:01

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 15 October 2015 until not later than 14 October 2020

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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Annex to

Marine Equipment Directive Module B Type Examination Certificate

Description of Equipment

9 GHz Search and rescue transponder

Model: Pathfinder™ Pro

Product Components:

SART Main Unit

Battery Unit

Pathfinder™ Pro

Li/FeS2

Compliance Matrix For MED Item A.1/4.18

IMO Resolutions	International Testing Standards	
IMO Res. A.694(17)	IEC 60945 (2002) inc Corr.1:2008	General Requirements for Marine Navigation Equipment (Inc. Corr1:2008)
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)

Manufacturer:

Name: ACR Electronics, Inc.
Address: 5757 Ravenswood Road
Fort Lauderdale
FL 33312-6645
USA

Authorised Representative in the EU: As Holder.

Relevant Technical Documentation

User Guide: User Manual for the SafeSea S100 V01.00, 2011-02-15

Test report numbers: IEC 61097-1:2001 &
IEC 60945:2002 inc Corr. 1:2008: 10/591, 2010-09-23

Approved Software : Version 01.00.00

Approved Hardware : Circuit Diagram 911S-00156 Issue 1.00 &
910S-00156 Issue 1.00, 2010-10-05
Parts List: BOM:S100 BOM 1.02.pdf, 2010-08-19



NOTES:

- 1- In accordance with IEC 61097-1, Clause 6.7, it has been determined that the SafeSea S100 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.

Conditions of Validity

This issue of the Annex to the referenced Marine Equipment Module B Certificate relates to Issue 01 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 reappraised 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:..... *J. J. Turynam*
on behalf of TÜV SÜD BABT

Date: *15th October 2015*