



Marine Equipment Directive Module B Type Examination Certificate

This is to certify that BABT did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the Navigation / Radio requirements of Marine Equipment Directive 96/98/EC as amended by Commission Directive 2009/26/EC and

SRT Marine Technology Ltd

of

Wireless House
Westfield Industrial Estate
Midsomer Norton
Bath
BA3 4BS
UK

known as

PROTEC W

conforms to the relevant requirements for an AIS (Automatic Identification System) as defined in Marine Equipment Directive as defined in Annex A1/4.32 & A1/4.14 of Commission Directive 2009/26/EC

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

Signed:

On Behalf of BABT

Issue Date: 19th April 2010

Number: BABT-MED000003 Issue: 01

This certificate is issued by BABT in accordance with the Certification Regulations of BABT. BABT is Notified Body Number 0168 and is a Certification Body of TÜV Product Service.

This certificate is valid from 19 April 2010 until not later than 18 April 2015

This certificate constitutes page 1 of the combined Certificate and Annex. The Conditions for the validity of this certificate are listed in the Annex. This certificate is not transferable and remains the property of BABT.



Annex to

Marine Equipment Directive Module B Type Examination Certificate

Description of Equipment

Marine AIS Class A Transponder

Model: PROTEC W

Variants:

Not Applicable

Standards

IEC 60945: 2002-08
IEC 61993-2 : 2001
IEC 61162-2 : 1998
IEC 61108-1 : 2003
IEC 62288 : 2008

Manufacturer:

Name: L3 Communications Corporation
Address: 100 Cattlemen Road
Sarasota
FL 34232
USA

Authorised Representative in the EU:

Name: As Applicant
Address: As Applicant

Relevant Technical Documentation**Supplier's Declaration(s) of Conformity:**

MED Declaration of Conformity dated 29 March 2010

User Guide: PROTEC W Installation and Operation Manual v0 3

Test report numbers:

IEC 60945 : 2002	LD3594 Issue 2 19/03/2010
	LD3603 Issue 2 31/03/2010
	7623-1 Issue 1 9 th February 2010
	10R053 CR Issue 2 31 st March 2010
	75907909 Report 3 Issue 1 09 February 2010
	75907909 Report 1 Issue 2 31 March 2010
	LD3589 Issue 2 29/03/2010
	LD3590 Issue 1 19/02/2010

IEC 61993-2 : 2001	LD3591 Issue 1 19/02/2010
	LD3592 Issue 1 19/02/2010
	LD3594 Issue 2 19/03/2010
IEC 61162-2 : 1998	LD3610 Issue 1 19/02/2010
	75907909 Report 2 Issue 1 18 March 2010
	75907909 Report 5 Issue 2 25 March 2010
IEC 61108-1 : 2003	LD3605 Issue 2 31/03/2010
IEC 62288 : 2008	BSH/4612/4321247/09 16 th February 2010
	LD3604 Issue 2 01/04/2010
	TUVJonestr150310AK 17 th March 2010

Approved Software:

Embedded software version	030200.05.00.00	19/02/2010
FPGA firmware version	030500.01.00.00	19/02/2010
User interface software version number	030400.02.00.00	19/02/2010

Approved Hardware :

RF PCB Hardware version	4.0	19/02/2010
Baseband hardware version number	4.0	19/02/2010
User interface hardware version number	4.0	19/02/2010

Circuit Diagram
Parts List: LD 3288 Rev 3.2 19/02/2010
Revision: »3 10/03/2010

Additional Information:**Conditions of Validity**

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 BABT or a person appointed by 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:

on behalf of BABT

Date: 19th April 2010