



## 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 that the equipment of

### *L3 Communications Corporation*



**PROTEC W 405-0017**

conforms to the relevant requirements for an AIS (Automatic Identification System) as defined in Marine Equipment Directive 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.

0168

Signed:

Issue Date: 27 September 2010

On Behalf of BABT

Number:

BABT-MED000008

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 TUV Product Service.

This certificate is valid from 27 September 2010 until not later than 26 September 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

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### Description of Equipment

Marine AIS Class A Transponder

Model: PROTEC W 405-0017

### 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: As Applicant  
Address: As Applicant

### Authorised Representative in the EU:

Name: SRT Marine Technology Ltd  
Address: Wireless House  
Westfield Industrial Estate  
Midsomer Norton  
Bath  
BA3 4BS  
United Kingdom

### Relevant Technical Documentation

#### Supplier's Declaration(s) of Conformity:

MED Declaration of Conformity dated 23 September 2010  
Product equality declaration dated 10 September 2010

#### User Guide:

PROTEC-W Automatic Identification System / Inland AIS  
Installation and Operation Manual, Last modified 18/08/2010

**Test report numbers:**

IEC 60945 : 2002	LD3679 Issue 2 23/09/2010
	LD3683 Issue 1 08/09//2010
	10R422 ER Issue 1 14 <sup>th</sup> September 2010
	10R053 CR Issue 2 31 March 2010
	75910193 Report 1 Issue 1 20 September 2010
	75907909 Report 3 Issue 1 09 February 2010
	75907909 Report 1 Issue 2 31 March 2010
	LD3685 Issue 1 10/09/2010
	LD3689 Issue 1 10/09/2010
	LD3690 Issue 1 10/09/2010
	LD3691 Issue 1 10/09/2010
IEC 61993-2 : 2001	LD3688 Issue 2 23/09/2010
	LD3679 Issue 2 23/09/2010
	75907909 Report 2 Issue 1 18 March 2010
	75907909 Report 5 Issue 2 25 March 2010
IEC 61162-2 : 1998	LD3686 Issue 1 10/09/2010
IEC 61108-1 : 2003	BSH/4612/4321247/09 16 <sup>th</sup> February 2010
IEC 62288 : 2008	LD3687 Issue 2 23/09/2010
	TUVJonestr150310AK 17 <sup>th</sup> March 2010

**Approved Software:**

Embedded software version	030201.05.XX	03/09/2010
FPGA firmware version	030501.01.XX	03/09/2010
User interface software version number	030401.02.XX	03/09/2010

**Approved Hardware :**

RF PCB Hardware version	4.0	03/09/2010
Baseband hardware version number	4.0	03/09/2010
User interface hardware version number	4.0	03/09/2010

Circuit Diagram	Baseband LD 3288 Rev 4.1, 12/7/10
	RF LD 3286 Rev 3.1, 24/3/10
	L3 Variant User Interface 011-0015,
25/6/10	
Parts List:	AIS Class A Transceiver L3 Custom, Modified 10/09/2010

**Additional Information:** None



**U.S. Coast Guard Number:**

This product has been assigned U.S. Coast Guard Module B number  
165.155 /EC0168



To note type approval to Module B only as it pertains to obtaining US Coastguard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 27<sup>th</sup>, 2004

**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: *27th September 2010* .....

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