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# EPSILON

## 1 ATEX Category 3 Certificate

2 Equipment intended for use in potentially explosive atmospheres

3 Certificate Number: EPSILON 06 ATEX 2081

4 Equipment: SeaBeacon 2 System 6 Racon

5 Manufacturer: Tideland Signal Corporation      Tideland Signal Ltd

6 Address:                      4310 Directors Row                      Kendal House, Victoria Way  
   Houston, Texas                              Burgess Hill  
   77092. USA.                                      Sussex. UK.

7 This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8 Epsilon certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to design and construction of equipment and protective systems for use in potentially explosive atmospheres given in Annex II to the directive 94/9/EC.

The examination and test results are recorded in confidential report no RETS(A) 1079/A/1 and 1079/A/2.

Epsilon accepts no responsibility for the accuracy or completeness of declarations made by the manufacturer and detailed in the above report, on which aspects of the evaluation may be based.


9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

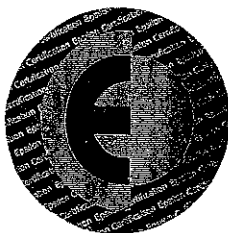
BS EN 60079-0:2004, BS EN 60079-15:2005

10 If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate

11 Certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC

12 The marking of the equipment shall include the following:

 II 3 G Ex nL IIC T3 T<sub>amb</sub> -40°C to +70°C



On behalf of Epsilon

S L D'Henin  
Director

Date: 25 October 2006



## ATEX Category 3 Certificate Schedule

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### Equipment Description:

The SeaBeacon 2 System 6 Racon is a radar beacon designed for marine use. It measures 808mm tall and has a maximum diameter of 353mm. It operates at an input voltage of 9 to 36 VDC, nominal voltage 12 VDC. It has been assessed as an energy limited device and as such is suitable for use in ATEX category 3 environments. It is supplied by a round 10 pin mechanically secured connector which provides power and communications.

### Drawings:

Number	Rev	Sheet	Date	Title
530.1556-DWG	B	1 of 1	08 Feb 06	PC ASSY, XRF Circuit, SeaBeacon 2 System 6
530.1557-DWG	A	1 of 1	13 May 06	PC ASSY, SRF Circuit SeaBeacon 2 System 6
530.1559-DWG	D	1 to 2	24 Jun 05	PC ASSY, IF circuit, SBCN-2, System 6
530.1560-DWG	B	1 of 1	24 Mar 05	PC ASSY, DSP Module SBCN-2, SYS-6
530.1561-DWG	A	1 of 1	26 Apr 05	PC ASSY, Power Supply, Seabeacon 2 System 6
530.1575-DWG	X6	1 to 2	13 May 04	PC ASSY, VCO Circuit, Series 2, Seabeacon 2 System 6
530.1556-SCH	A	1 to 9	24 Mar 05	Seabeacon 2 System 6 – X Band RF Module
530.1557-SCH	A	1 to 7	12 May 05	3 Band RF Module – SBCN-2 SYS-6
530.1559-SCH	A	1 to 8	23 Jun 05	Seabeacon II System 6 – Dual IF Module
530.1560-SCH	B	1 to 7	17 Mar 05	SBCN-2 SYS-6, DSP
530.1561-SCH	A	1 to 6	4 Apr 05	Seabeacon 2 System 6 – Power Supply
530.1562-DWG	B	1 of 1	6 May 05	PC Assy, Backplane, Seabeacon 2 System 6
530.1562-SCH	B	1 to 4	5 May 05	Seabeacon 2 System 6 - Backplane
530.1575-SCH	X6	1 to 8	9 Aug 04	Seabeacon II System 6 – VCO Module
520.1249-DWG	J	1 of 1	17 Aug 05	RACON Assy, SBCN-2 System 6
520.1280-DWG	B	1 of 1	08 Mar 06	Chassis Assembly, Card electronics, SBCN 2 SYS 6
070.1011-DWG	D	1 of 1	27 Jan 05	Seabeacon 2 System 6 Assembly
304.1612-DWG	A	1 of 1	03 Jan 05	Nameplate SBCN-2, SYS 6
304.1689-DWG	A	1 of 1	28 Aug 06	Label, SBCN-2 ATEX CAT 3

### Conditions of Certification

None

### Special Conditions of Certification:

None

