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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 2014

4 Equipment: Audio Beam Fog Signals AB-26, AB-560 and AB-860

5 Manufacturer: Tideland Signal Corporation

6 Address: 4310 Directors Row  
Houston  
Texas  
TX 77092  
USA

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)1697/A/1

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:

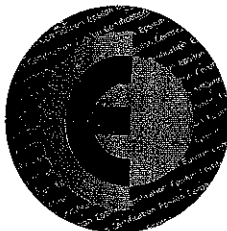
EN60079-15:2005

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 EEx nL IIA T215°C



On behalf of Epsilon

S D'Henin  
Certification Manager

Date: 29 June 2006

Certificate 06 ATEX 2014

This certificate may only be reproduced in its entirety and without any change, schedule included  
The certificate is only valid when it carries an original signature and holographic security label.  
For help or assistance relating to this certificate, contact [cs@epsilon-ltd.com](mailto:cs@epsilon-ltd.com).

Epsilon Compliance Services Limited is a trading name of Epsilon Technical Services Limited

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## ATEX Category 3 Certificate Schedule

**Certificate Number:** EPSILON 06 ATEX 2014

### Equipment Description:

The product covered by this certificate is an electrically powered audible signal device. It is intended for use as an aid to navigation. The electrical power is obtained from 12 V storage batteries

The Model Audio Beam AB-26 marine fog signal is rated 6 A, 15 V dc, maximum. The unit has a single sounder and control box. It is 930mm tall and 432mm square.

The Models Audio Beam AB-560 and Audio Beam AB-860 are rated at a maximum of 11 A, 15 V dc. The AB-560 consists of 5 sounders and a control box and the AB-860 consists of 8 sounders and a control box. Both units have a triangular framework construction which sits in a footprint of 818mm x 718mm, the AB-860 is 4318mm tall and the AB-560 is 2737mm tall.

### Drawings:

Number	Rev	Sheet	Date	Title
030.1015-□	H	1 of 1	21 Sept 92	AB-860 Fog Signal, Sync, UL
030.1015-WIR	D	1 of 1	21 Sept 92	AB-860 Fog Signal Sync, UL, Wiring Diagram
030.1016-DWG	J	1 of 1	05 Aug 04	AB-560 Fog Signal Sync, UL.
030.1016-WIR	D	1 of 1	21 Sept 92	AB-560 Fog Signal, Sync, UL, Wiring Diagram
030.1018-□	J	1 of 1	21 Sept 92	Assembly – AB-26 UL Fog Signal Code W/Time Delay
030.1018-WIR	J	1 of 1	12 Feb 98	Wiring Diagram – AB-26 UL, Fog Signal Sync With Time Delay
520.1097-DWG	X	1 of 1	16 Jan 97	ECU-645 In E-Box W/Sync, (UL)
520.1099-DWG	X	1 of 1	16 Jan 97	ECU-645 In E-Box W/ Sync (UL)
702.1004-03	J	1 of 1	6 Feb 03	TDA-375-UL Driver Ass'y 860 & 560.
204.1206-DWG	A	1 of 1	26 April 06	NAMEPLATE, ATEX C-3 AUDIO BEAM
204.1035-DWG	E	1 of 1	30 Jan 04	NAMEPLATE, AUDIOBEAM AB-26 FOG SIGNAL
204.1038-DWG	F	1 of 1	10 Jun 04	NAMEPLATE, AUDIOBEAM AB-560 FOG SIGNAL
204.1039-DWG	F	1 of 1	10 Jun 04	NAMEPLATE, AUDIOBEAM AB-860 FOG SIGNAL
204.1130-DWG	C	1 of 1	9 Oct 03	NAMEPLATE – UL AUDIOBEAM AB-560 FOG SIGNAL
204.1041-DWG	G	1 of 1	9 Oct 03	NAMEPLATE – UL AUDIOBEAM AB-860 FOG SIGNAL

### Conditions of Certification

None

### Special Conditions of Certification:

None

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# Epsilon

## Supplement to ATEX Category 3 Certificate

Certificate Number: 06 ATEX 2014      Dated: 29<sup>th</sup> June 2006

Variation Number: 01 (ONE)

### Variation Detail:

To Permit:

Change of T class from T215°C to T6

### Descriptive Documents:

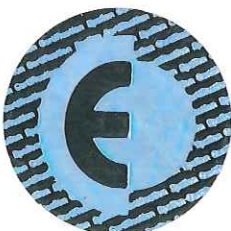
Number	Title	Rev	Date
204.1206-DWG	Nameplate ATEX C-3, Audio Beam	C	07 Jan 2009

### Additional Conditions of Certification:

No additional

### Additional Special Conditions for Safe Use:

No special conditions



On behalf of Epsilon

S D'Henin  
Certification Manager

Date: 08<sup>th</sup> January 2009

Certificate 06 ATEX 2014      Variation Number: 01

This variation may only be reproduced in its entirety and without any change, schedule included.  
The variation is only valid when it carries an original signature and holographic security label.  
For help or assistance relating to this variation, contact [cs@epsilonex.com](mailto:cs@epsilonex.com).