



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx ITS 16.0007X Issue No: 1 Certificate history:
Status: **Current** Page 1 of 4 [Issue No. 1 \(2017-03-27\)](#)
Date of Issue: **2017-03-27** [Issue No. 0 \(2016-06-28\)](#)

Applicant: **Tideland Signal Corp**
4310 Directors Row,
Houston,
Texas
United States of America

Equipment: **Seabeacon 2 Ex System 6**
Optional accessory:

Type of Protection: **Purge, Flameproof and Ex e**

Marking:
Ex db eb pxb IIC T4 Gb
-40°C ≤ Ta ≤ +48°C

Approved for issue on behalf of the IECEx
Certification Body:

A T Austin

Position:

Certification Officer

Signature:
(for printed version)

Date:

2017-03-27

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](#).

Certificate issued by:

Intertek Testing & Certification Limited
ITS House, Cleeve Road,
Leatherhead,
Surrey, KT22 7SB
United Kingdom





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Date of Issue: 2017-03-27 Page 2 of 4
Manufacturer: **Tideland Signal Corp**
4310 Directors Row,
Houston,
Texas
United Kingdom

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-2 : 2014-07 Edition:6	Explosive atmospheres - Part 2: Equipment protection by pressurized enclosure "p"
IEC 60079-7 : 2015 Edition:5.0	Explosive atmospheres – Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[GB/ITS/ExTR16.0035/00](#) [GB/ITS/ExTR16.0035/01](#)

Quality Assessment Report:

[GB/ITS/QAR12.0012/02](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Seabeacon is a statically purged Racon system. It is made up of a plastic conical top cover under which is fitted the antenna. The base of the enclosure is manufactured from aluminium and contains the Pressure Transducer board and other associated electronics required to operate the Seabeacon. The plastic (conical) lid is attached to the base of the enclosure by 6 off monel fasteners with an O-ring fitted to maintain the Seabeacon seal.

The Seabeacon has an Ex e terminal enclosure attached to the side which allows for electrical connections which pass through two bushings in order to allow electrical supply to the Seabeacon itself.

Monitoring of the pressurisation is performed by the use of Ashcroft A series pressure switches and removal of power is made by the associated control panel. The control panel is associated with this certification but not covered by this report. This is fitted with lights that indicate the condition of the Seabeacon. Component utilized:

ITEM	CERTIFICATE NUMBER
Control Panel	IECEX IBE 12.0031
Ex e terminal enclosure	IECEX PTB 09.0009X
Ex d Pressure switches	IECEX CSA 13.0015X

SPECIFIC CONDITIONS OF USE: YES as shown below:



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1:

Amendments to ground wire.