



**INTERNATIONAL ELECTROTECHNICAL COMMISSION SYSTEM FOR  
CERTIFICATION TO STANDARDS RELATING TO EQUIPMENT FOR USE IN  
EXPLOSIVE ATMOSPHERES (IECEx SYSTEM)**

**TITLE: IECEx Assessment Report for the acceptance of ExVeritas Limited, as an IECEx Certification Body, ExCB, within the IECEx System, Equipment Scheme 02.**

**Circulated to: Ex Management Committee, ExMC**

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**INTRODUCTION**

This document contains the IECEx Assessment Report for the acceptance of ExVeritas Limited, as an IECEx Certification Body, ExCB, within the IECEx System, Equipment Scheme, 02.

ExVeritas was previously accepted as an ExTL operating within the IECEx 02 Equipment Scheme and working with TRAC, UK as the IECEx ExCB in November 2014.

ExVeritas submitted an application, via the UK Member Body, for consideration as an ExCB along with a scope extension for the ExTL to include IEC 60079-5, 60079-25, IEC 60079-27 and 61241-18.

A special site assessment was arranged by the IECEx Secretariat which was recently completed. This Assessment report is now submitted for consideration by the ExMC for both the application of Ex Veritas as an ExCB and the scope extension of its ExTL for inclusion of the abovementioned Standards.

Please consider this assessment report and return the completed voting form, separate Word document, to the IECEx Secretary by-

**2015 08 17**

Your speedy response to the voting process will be very much appreciated.

*Chris Agius*  
IECEx Secretary

<b>Address:</b> Level 33, Australia Square 264 George Street Sydney NSW 2000 Australia	<b>Contact Details:</b> Tel: +61 2 46 28 4690 Fax: +61 2 46 27 5285 e-mail: <a href="mailto:chris.agius@iecex.com">chris.agius@iecex.com</a> <a href="http://www.iecex.com">http://www.iecex.com</a>
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**IEC System for certification to standards relating to equipment for use in  
Explosive Atmospheres (IECEx System)**

**IECEx Assessment Report Form**

IECEx Assessment Report Form for use by IECEx Assessment Teams to report  
Assessments conducted according to the IECEx Assessment Procedures of

- a) Operational Document IECEx OD 003-2 for the Certified Equipment Scheme
- b) Operational Document IECEx OD 016 for the Certified Service Facility Scheme
- c) Operational Document IECEx OD 022 for the IECEx Conformity Mark Licensing System

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**IECEx ExCB/ExTL assessment report for ExVeritas**

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## 1 Assessment information

### 1.1 Type of Body covered by this assessment: <retain appropriate marks>

ExCB for IECEx Certified Equipment Scheme	✓
ExTL for IECEx Certified Equipment Scheme	✓
ExCB for IECEx Certified Service Facilities Scheme	
ExCB for IECEx Conformity Mark Licensing System	

NOTE 1 ExCB - IECEx Certification Body

NOTE 2 ExTL - IECEx Testing Laboratory

### 1.2 Type of assessment: <retain appropriate marks>

Pre-assessment for candidate body	
Initial assessment for candidate body	✓
Surveillance	
Re-assessment	
Scope extension (ExTL)	✓

### 1.3 Details of body

#### 1.3.1 Country

UK

#### 1.3.2 Name of body

Ex Veritas Limited (trading as ExVeritas)

#### 1.3.3 Name and title of nominated principal contact

Name	Title	E-mail address
Sean Clarke	Managing Director	s.clarke@exveritas.com

### 1.4 Assessment information

#### 1.4.1 Members of the assessment team

Name	Role (modify as necessary)
Jim Munro	Lead Assessor
Bernard Piquette	Expert Assessor

#### 1.4.2 Place(s) of assessment

Ex Veritas Limited Units 16-18 Abenbury Way Wrexham Ind.Est. Wrexham LL139UZ, UK	
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#### 1.4.3 Assessment date(s)

15-16 June 2015

### 1.5 Application information

Date of application for ExCB: 5 February 2015

### 1.6 Scopes

#### 1.6.1 ExCB scope for equipment certification scheme

Number	Title
IEC 60079-0 Edition 6	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-1 Edition 7	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"

IEC 60079-2 Edition 6	Explosive atmospheres - Part 2: Equipment protection by pressurized enclosure «p»
<b>IEC 60079-5 Edition 4</b>	<b>Explosive atmospheres - Part 5: Equipment protection by powder filling «q» SCOPE EXTENSION ExTL - NEW STANDARD</b>
<b>IEC 60079-6 Edition 4</b>	<b>Explosive atmospheres - Part 6: Equipment protection by oil immersion «o» SCOPE EXTENSION ExTL - LATEST EDITION</b>
IEC 60079-7 Edition 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
IEC 60079-11 Edition 6	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-13 Edition 1	Explosive atmospheres - Part 13: Equipment protection by pressurized room 'p'
IEC 60079-15 Edition 4	Explosive atmospheres – Part 15: Equipment protection by type of protection "n"
<b>IEC 60079-18 Edition 4</b>	<b>Explosive atmospheres – Part 18: Equipment protection by encapsulation “m” SCOPE EXTENSION ExTL - LATEST EDITION</b>
<b>IEC 60079-25 Edition 2</b>	<b>Explosive atmospheres – Part 25: Intrinsically safe electrical systems SCOPE EXTENSION ExTL - NEW STANDARD</b>
<b>IEC 60079-26 Edition 3</b>	<b>Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga SCOPE EXTENSION ExTL - LATEST EDITION</b>
<b>*IEC 60079-27 Edition 2</b>	<b>Explosive atmospheres – Part 27: Fieldbus intrinsically safe concept (FISCO) - already covered by IEC 60079-11 SCOPE EXTENSION ExTL - NEW STANDARD</b>
<b>IEC 60079-28 Edition 2</b>	<b>Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation (with the exclusion of ignition testing) SCOPE EXTENSION ExTL - LATEST EDITION</b>
IEC 60079-31 Edition 2	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
*IEC 61241-0 Edition 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
*IEC 61241-1 Edition 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosure “tD”
IEC 61241-4 Edition 1	Electrical apparatus for use in the presence of combustible dust - Part 4: Protection by pressurization "pD"
*IEC 61241-11 Edition 1	Electrical apparatus for use in the presence of combustible dust – Part 11: Protection by intrinsic safety 'iD'
<b>*IEC 61241-18 Edition 1</b>	<b>Electrical apparatus for use in the presence of combustible dust - Part 18: Protection by encapsulation "mD" SCOPE EXTENSION ExTL - NEW STANDARD</b>

NOTE 1 Standards shown with an asterisk (\*) are superseded standards

NOTE 2 Unless otherwise indicated, earlier editions of standards (even if with a different number) are considered to be covered in the above scope for the purposes of the assessment.

NOTE 3 The above list highlights any extension of scope in the list above for new standards or later editions of standards already in scope.

### 1.6.2 ExTL scope

Some scope changes have been sought for the ExTL scope as noted above in bold. The scope for the ExCB and ExTL will then be the same.

## **2 Common information**

### **2.1 Legal entity of body**

The company is legally registered as Ex Veritas Limited but the company trades as ExVeritas which is a registered trade mark.

The company is registered in England as a Company Limited by Guarantee No. 05600913. VAT Registration No.988424565. A copy of the certificate of incorporation of a private limited company for the company and copies of subsequent certificates for incorporation on change of name that led to the current registration as Ex Veritas Limited were viewed during the ExTL initial assessment and demonstrated that it is a legal entity.

For Europe it also has an Economic Operator Registration and Identification (EORI) Number is GB988424565000.

ExVeritas® is a legally registered Trade Mark for Certification, Test and Assessment. TMR - UK00003015985.

### **2.2 Financial support**

The operation is self-supporting with all investment in the company coming from the profits of the company.

### **2.3 History**

The company has had five years as ExVeritas conducting ATEX/IEC/NEC test and assessments for ATEX Notified Bodies, and as an IECEx associated laboratory for an IECEx ExCB, TRaC.

Directors are former Notified Body owners with over 20 years' experience in Ex test and assessment (ATEX and IEC).

ExVeritas first operated in the IECEx Certified Equipment Scheme as an associated Test Laboratory (for partial testing), working under control and in accordance with the ExTL procedures of TRaC as the IECEx accepted ExTL, following an IECEx assessment of this arrangement during September 2013 (refer to ExMC/901/R issued October 2013).

ExVeritas subsequently became an ExTL operating under the ExCB TRaC following an IECEx assessment in October 2014 (refer to ExMC/974/RV issued December 2014).

ExVeritas have now applied to be an ExCB in their own right and with their IECEx Accepted ExTL then integral with their ExCB.

After acceptance as an ExCB in the IECEx Certified Equipment Scheme, ExVeritas will maintain their agreement with TRaC as an alternative ExCB in addition to having their own integral ExTL. Evidence was provided that that TRaC agreed with that approach.

### **2.4 Documentation**

#### **2.4.1 Quality manual**

The top level quality document is the General Quality Manual QM-001 and at the time of the assessment visit this was at Issue V4 dated 09/11/2014. It incorporates the quality policy, the customer service policy, and the health and safety policy. Sitting under it are the following manuals:

QM-001.1 – Laboratory Quality Manual (V4 12/06/2015)

QM-001.2 – Certification Body Quality Manual (V5 14/05/2015)

QM-001.3 – Inspection Body Quality Manual (not looked at for this assessment)

QM-001.4 – Training Body Quality Manual (not looked at for this assessment)

The General Quality Manual and relevant associated quality manuals were found to meet the requirements of IECEx.

#### **2.4.2 Procedures**

The above manuals are supported by detailed quality procedures, forms and work instructions.

#### **2.4.3 Work instructions**

There are a number of work instructions that are relevant for the ExCB including WI-011 - Electronic Data, WI-013 - Standards control and WI-016 CMS Instructions for Internal Personnel.

As noted in the previous report, there is also a comprehensive range of test methods and test forms. The test forms cover all work done for Ex testing. They were reviewed and found to meet IECEx requirements

#### **2.4.4 Records (including test records where relevant)**

Control of records is addressed in Quality Procedure for Control of Records QP-CB-012 V1.

Test records are kept in hard copy but are also scanned and retained in electronic form. The electronic copy becomes the official copy.

Electronic records are maintained on a secure location as defined on EIR-013 and are backed up real time through the use of a redundant RAID enabled network drive and are protected against unauthorized access and amendment through the use of a secure network and document passwords (as appropriate). The procedures state that the retention period is specified for each record on EIR-013. At present EIR-013 shows all records as being stored 'Permanently'.

In addition all Electronic Data is archived on Dropbox which has redundant data storage. Dropbox keeps a one-month history of all document changes. Any changes can be undone and files can be undeleted.

The records storage was found to meet the requirements of IECEx.

NOTE 1 Example records should be sought of oldest records both in electronic and hard copy to test the retrieval and existence of records, including archival records.

NOTE 2 Information should be sought on whether there is a method of secure disposal of hard copy records once they have been placed on an electronic system.

#### **2.4.5 Document change control**

Record EIR-013 – Records and Documents List contains all the records controlled through the total management system.

The ExCB procedure covering document change control is Quality Procedure for Documents Control QP-CB-011 V 1.

For the ExTL document change control is addressed in Clause 7.3 of the Laboratory Quality Manual.

Both systems have the same approach to document change control.

For both ExCB and ExTL FO-008 addresses system change notification and makes provision for employees to propose changes to quality documents.

Only the electronic copy of the quality documents is the controlled copy and each document contains a statement that printed copies are not controlled documents.



## **2.5 Confidentiality**

Confidentiality for the ExCB is addressed in the Certification Body Quality Manual Clause 7.1.5. Confidentiality, and in procedure QP-CB-03 - Confidentiality.

All new employees commit to confidentiality when they sign their terms and conditions of employment. An example of such a signed agreement was viewed. In addition employees personally commit to confidentiality of a project when they are assigned to that project as part of the CMS system.

The Laboratory Quality Manual also addresses confidentiality and conflict of interest in Section 7.

The above was found to meet the requirements for IECEx.

For the Governing Body, the member body commit to confidentiality as part of their role on that body.

## **2.6 Publications (Hard cover and Electronic)**

ExVeritas have produced various materials to publicise the operation such as a wall chart with ATEX and IEC guidance. They have a website located at <http://www.exveritas.com>.

## **2.7 Recognition and agreements**

There is an agreement with MET Labs in the USA for North American listing. ExVeritas has been with TRaC in various roles, including as an ATEX partner laboratory, as an associate IECEx test laboratory and as an IECEx ExTL having TRaC as their ExCB.

## **2.8 Internal audit and periodic management review**

### **2.8.1 Internal audit**

Requirements for internal audit are addressed in the Certification Body Quality Manual Clause 7.5.6. Internal audits are in procedure QP-CB-013 – Internal Audit. The audit plan is addressed in EIR-018b-CB Audit Plan. The plan is to make one sample vertical audit every three months on a completed project and one full ISO/IEC 17065 audit every six months. As the first ATEX certificates had only just been issued at the time of the assessment visit, no vertical audits had been done on projects at the time of the assessment visit.

One internal audit for implementation has been done. This was essentially a documentation review. The audit was done in September 2014.

Internal audits are being done for the ExTL. The most recent audit was done on 30 January 2015. Corrective actions were raised for any issues found. These were then addressed.

The approach to internal auditing meets the requirements for IECEx.

### **2.8.2 Management review**

Requirements for management review are addressed in the Certification Body Quality Manual Clause 7.5.5 and in procedure QP-CB-015 – Management Review.

Meetings for management review of the ExCB are held separately to the meeting for the ExTL.

The last management meeting for the ExCB was held on 15 February 2015 and the report was reviewed by the assessment team. The meeting was attended by the top three managers of ExVeritas. The management meeting for the ExTL was held the same day.

The management review was found to meet the requirements for IECEx.

## **2.9 Contracting, subcontracting, use of other labs and use of other locations**

Subcontracting of testing is addressed by the Laboratory Quality System, according to the section 7.5 of the Laboratory Quality Manual.

Subcontracting of personnel for factory inspections or audits is addressed by the sections 7.3.2.2.2 and 7.3.2.2.3 of the Certification Body Quality Manual.

Subcontracting for IEC 60079-28 measurement of optical power and optical irradiance, is by Lasermet of the UK, noting that Lasermet is also used by TRaC and has been subjected to IECEx assessment refer to ExMC/829/DV Feb 2013 voting report for scope extension of TRaC to include IEC 60070-28 using Lasermet test facilities and ExMC/966/DV issued November 2014.

IEC 60079-0 Clause 26.10 exposure to light by Smithers Rapra

IEC 60079-7 Clause 6.3.3 shock test by TRaC

Load testing of electrical motors will be done by witness testing at manufacturers' premises according to OD024.

There is a procedure for offsite and witness testing QP-017 that addresses the requirements of OD024, including the need for a signed agreement and the need to notify IECEx about any agreements signed.

(The following should be addressed during the assessment to address compliance with OD024:

- That if off-site and witness testing is done, or proposed to be done, OD024 is referenced and incorporated in procedures
- If it is being done, that contracts have been put in place
- For witness testing (only) - according to 6.3.5 of OD024 - Registration of the manufacturer or user test facility has been made with the IECEx Secretariat and updating of the current information in the Register
- That ExTRs reviewed clearly indicate when there has been witness testing done)

## **2.10 Training and competence**

Requirements for training and competence are addressed in the Certification Body Quality Manual Clause 7.3.1 and procedure QP-CB-007 – Competence Management. Personnel competence is shown in the record EIR-012.

There is a comprehensive system of training staff and recording their competence that meets the requirements for IECEx.

## **2.11 Complaints and appeals (including appeals to IECEx)**

Requirements for complaints and appeals are addressed in the Certification Body Quality Manual Clause 7.4.13 Complaints and appeals and in procedure QP-CB-010 – Customers Complaints, Appeals and Feedback.

ExVeritas includes information about their customer's right of appeal to IECEx in their terms and conditions, and on their website.

## **2.12 Special facts to be noted**

### **2.12.1 Supporting documentation**

Copies of additional supporting information for this assessment have been provided to the applicant and the IECEx Secretariat. These are included in a site assessment report or elsewhere and include:

- Checklist for ISO/IEC 17065
- Completed Technical Capability Document (TCD) for the scope changes requested for the ExTL (this was an update of the TCD completed for the ExTL initial assessment.
- Photos of the facilities/tests witnessed are included in the above TCD



- Assessors' notes

#### **2.12.2 Witnessed Tests**

The following test was witnessed during the assessment visit:

- IEC 60079-5 Cause 5.1.3 Dielectric strength test of the filling material for Ex q

#### **2.13 Recommendations**

Based on the assessment performed on 15-16 June 2015, ExVeritas is recommended for acceptance in the IECEx System as:

- An ExCB in the IECEx Certified Equipment Scheme
- An ExTL in the IECEx Certified Equipment Scheme (for scope changes)

This is according to the scope of the standards listed in this document, including the extension of scope for the ExTL.

Jim Munro	Bernard Piquette
Lead Assessor	Expert Assessor

Date: 19 June 2015

### **3 ExCB for IECEx Certified Equipment Scheme**

#### **3.1 Assessment references**

- a) IECEx02 IECEx Certified Equipment Scheme covering equipment for use in explosive atmospheres – Rules of Procedure
- b) OD003-2 Assessment, surveillance assessment and re-assessment of ExCBs and ExTLs operating in the IECEx 02, IECEx Certified Equipment Scheme
- c) ISO/IEC 80079-34 Edition 1, Explosive atmospheres – Part 34: Application of quality systems for equipment manufacture
- d) OD009 Issuing of CoCs, ExTRs and QARs
- e) IECEx Document OD 025 Guidelines on the Management of Assessment and Surveillance programs for the assessment of Manufacturer's Quality Systems in accordance with the IECEx Scheme
- f) OD0026 IECEx Certified Equipment Scheme – Guidelines for the qualification of Lead Auditor and Auditors, in accordance with the IECEx System
- g) ISO/IEC 17065: 2012, Edition 1, General requirements for bodies operating product certification systems Conformity assessment — Requirements for bodies certifying products, processes and services
- h) IECEx Document OD17 Drawing and documentation guidance
- i) IECEx Technical Capability Document (TCD)
- j) ExTAG decision sheets (DSs)

NOTE The latest editions of the above documents were applied

#### **3.2 Candidate ExCB persons interviewed**

<b>Name</b>	<b>Position</b>
Sean Clarke	Managing Director
Stephen D'Henin	Technical Director
Diego Oliveira	Quality Manager

#### **3.3 Associated ExTL(s)**

The ExVeritas ExTL is integral with the ExCB.

#### **3.4 Associated certification functions**

ExVeritas does Compex training and associated assessment of personnel as a licensed centre.

#### **3.5 National marks and certificates**

ExVeritas is a notified body for the ATEX Directive.

#### **3.6 Standards accepted**

See clause 1.6 of this report

#### **3.7 National differences to IEC standards**

National differences to IEC standards are those for the UK differences as listed in the latest version of the IECEx Scheme Bulletin.

#### **3.8 Organisation**

##### **3.8.1 Names, titles and experience of the senior executives**

Name	Title	Experience
Sean Clarke	Managing Director	26 Years ATEX/Ex Certification Experience with 3 ATEX Notified Bodies. ATEX Notified Body certification reviewer
Stephen D'Henin	Technical Director	30 Years ATEX/Ex Certification Experience with 4 ATEX Notified Bodies. Former ATEX Notified Body technical expert and certification reviewer

### 3.8.2 Name, title and experience of the quality management representative

Name	Title	Experience
Sean Clarke	Managing Director	26 Years ATEX/Ex Certification Experience with 3 ATEX Notified Bodies. ATEX Notified Body certification reviewer

### 3.8.3 Name and title of signatories for certification

Name	Title	Comments
Sean Clarke	Managing Director	
Stephen D'Henin	Technical Director	

### 3.8.4 Other employees in ExCB activity

Name	Title	Responsibility and Experience in Ex
Diego Oliveira	Quality Manager	Responsibility - factory auditor Experience - 10 years in Ex

## 3.9 Organizational structure

The organisational structure is shown in Annex A.

## 3.10 Administration

### 3.10.1 Administrative structure

See Annex A

### 3.10.2 Indemnity insurance

ExVeritas has an insurance policy covering Professional Indemnity, Policy number: HU PI61769199 (48). Dates of validity: Continuous Policy from 1/10/2014. Issued by: HISCOX. Limit of indemnity: £1m.

## 3.11 Resources

ExVeritas has the necessary resources, including well experienced competent staff, to carry out the activities of an ExCB.

## 3.12 Committees (such as governing or advisory boards)

Quality Procedure for Management of Impartiality QP-CB-002 addresses impartiality and the rules for operation of the Governing Body. The members of the body are chosen from the

following areas representing interests in Product Certification, Manufacturers, Users, Suppliers and Conformity Assessment Experts.

The last meeting of the body took place via conference call on 2 April 2015. All members (nine) took part in the meeting. The minutes of the meeting were reviewed and found to meet the requirements of IECEx.

### **3.13 Certification operations**

#### **3.13.1 National approval/certification methods**

ExVeritas is a Notified Body under the ATEX Directive.

#### **3.13.2 Certification policy**

The Certification Policy is included in the Certification Body Quality Manual and supplements the Quality Policy in the General Quality Manual. The policy commits ExVeritas to providing an independent and impartial certification service. This policy meets the requirements of IECEx.

#### **3.13.3 Application for certification**

The application for certification is addressed in the Certification Body Quality Manual Clause 7.4. Process requirements. It is also addressed in Quality Procedure for Certification Body ATEX and IECEx Process QP-CB-004.

The process is managed through a locally developed system called CMS (Certification Management System). The process when using this system is according to the work instruction WI-016 - CMS Instructions for Internal Personnel.

The system is written in a form that ensures each part of the process must be completed before the next part of the process can begin, for example a contract review must be done before a quote can be issued. Customers can apply on-line using the system and have access to check the progress of their jobs.

A test plan is prepared at the beginning of the project. The test plan includes provision to include additional information that could include reference to IECEx decision sheets, corrigenda or interpretation sheets.

#### **3.13.4 Certification decision**

Quality Procedure for Certification Decision QP-CB-006 addresses how the certification decision is taken. It defines how the different levels of IECEx password are allocated to staff. It also includes provisions that all staff involved in the evaluation or assessment must be free from any vested interest in the item to be certified. In addition it states that the person making the certification decision will not be the same person that makes the evaluation or checked and authorized the report. The procedures meet the requirements of IECEx.

#### **3.13.5 Suspension and cancellation of certificates**

Certification Body Quality Manual Clause 7.4.11. Termination, reduction, suspension or withdrawal of certification addresses suspension and cancellation of certificates. There is also a Quality Procedure for Certificate Withdrawal, QP-CB-018. The procedures meet the requirements of IECEx.

### **3.14 Certificates issued**

The number of certificates issued for ATEX are shown below.

Standards	Concept	2012	2013	2014	2015	Total
EN60079-1:2007 EN60079-0:2011	Ex d				1	1

EN60079-0:2011 A1/2 EN60079-28:2006	Ex op pr				1	1
EN60079-0:2011 EN60079-7:2006	Ex e				1	1
EN60079-0:2011 EN60079-1:2007 EN60079-7:2006	Ex de				1	1
	(9 others complete waiting for IECEx CB to issue)					

**NOTE** Above include certificates to IEC 60079-0

### **3.15 National accreditation**

ExVeritas has accreditation from UKAS to ISO/IEC 17065:2012 to provide product conformity certification, certificate number 8613. This was first issued on 4 February 2015. Seen Annex B for the certificate. There was also a UKAS surveillance assessment just prior to the IECEx assessment. No findings arose from the UKAS surveillance assessment.

The certificate covers all standards as shown in the scope in this report, but for some standards at present the earlier edition is shown, ie 60079-5, 60079-6, 60079-18, 60079-26, 60079-28. In each case the latest editions of the standards have only recently been published by IEC and so it is anticipated the new editions will be included in the UKAS scope at the next opportunity.

### **3.16 Assessment of manufacturers and issue of QARs**

The procedure for audits is QP-CB-008. It refers to QP-CB-004 CB ATEX and IECEx Process, and QP-CB-014 Surveillance.

QP-CB-008 includes requirements for Audit Method, Conduct of Audits, Audit Report and Recommendations, and Certificate Preparation.

The quality system gives clear guidance on how to conduct the audit and the competence matrix defines clearly the responsibilities and competence of the auditors.

The number of days of the audit is controlled through the ExVeritas Audit Pricing Tool and takes into account the requirements of OD-025, type of customer dependent on ISO 9001 certification, type of protection covered and number of employees.

Three audit reports were reviewed.

The procedures and reports reviewed were found to meet the requirements of IECEx.

### **3.17 Comments (including issues found during assessment)**

One issue was raised during the assessment and resolved to the satisfaction of the assessment team prior to the end of the assessment visit. This involved the handling of IECEx appeals. Hence, there were no outstanding issues at the end of the assessment visit. There were also some areas for improvement in procedures included in the site assessment report. These were addressed the day after completion of the assessment with evidence provided of the changes made.

## 4 ExTL for IECEx Certified Equipment Scheme

### 4.1 Assessment references

- IECEX02 IECEx Certified Equipment Scheme covering equipment for use in explosive atmospheres – Rules of Procedure
- IECEX OD003-2 Assessment, surveillance assessment and re-assessment of ExCBs and ExTLs operating in the IECEx 02, IECEx Certified Equipment Scheme
- IECEX OD009 Issuing of CoCs, ExTRs and QARs
- ISO/IEC 17025:2005 Edition 2, General requirements for the competence of testing and calibration laboratories
- IECEX Document OD17 Drawing and documentation guidance
- IECEX Technical Capability Document (TCD)
- ExTAG decision sheets (DSs)

NOTE The latest editions of the above documents were applied.

### 4.2 Candidate ExTL persons interviewed

Name	Position
Sean Clarke	Managing Director
Stephen D'Henin	Technical Director
Diego Oliveira	Quality Manager

### 4.3 Associated ExCB(s)

The ExTL is integral with the ExVeritas ExCB. But it will also continue to work with TRaC, an accepted ExCB in IECEx System, as an ExCB.

### 4.4 Organisation

#### 4.4.1 Names, titles and experience of the senior executives

Name	Title	Experience
Sean Clarke	Managing Director	26 Years ATEX/Ex Certification Experience with 3 ATEX Notified Bodies. ATEX Notified Body certification reviewer
Stephen D'Henin	Technical Director	30 Years ATEX/Ex Certification Experience with 4 ATEX Notified Bodies. Former ATEX Notified Body technical expert and certification reviewer

#### 4.4.2 Name, title and experience of the quality management representative

Name	Title	Experience
Sean Clarke	Managing Director	26 Years ATEX/Ex Certification Experience with 3 ATEX Notified Bodies. ATEX Notified Body certification reviewer



#### 4.4.3 Other employees in ExTL activity

Name	Title/responsibility	Experience in Ex
Those considered competent for the scope extension are shown in the TCD.		

#### 4.5 Organizational structure

See Annex A.

#### 4.6 Resources

ExVeritas has the necessary resources in facilities, equipment and staff to be able to carry out testing to the standards in the scope extension.

#### 4.7 Test reports issued

The following are the number of test reports (ExTRs) prepared by ExVeritas for endorsement and issue by TRaC:

		2012	2013	2014	2015	Total
EN60079-1:2007 EN60079-0:2011 A1/2 EN60079-0:2011 EN60079-0:2007	Ex d	0	2	4	1	7
EN60079-2:2007 EN60079-0:2007	Ex p	1	1	0	0	2
EN60079-15:2010 EN60079-0:2011 EN60079-0:2007	Ex n (nL/ic, Na, nR)	1	5	6	0	12
EN60079-11:2011 EN60079-0:2011 EN60079-26:2006	Ex ia CAT 1 Ga	0	1	1	0	2
EN60079-11:2011 EN60079-0:2011	Ex ib CAT 2 Gb	0	0	6	0	6
EN60079-7:2006	Ex tD	0	0	3	1	4
EN60079-0:2011 EN60079-7:2006	Ex e	1	2	2	1	6
EN60079-0:2011 EN60079-5:2007	Ex q		1	1	0	2
EN60079-0:2011 EN60079-18:2009	Ex m	1	0	1	0	2
EN60079-0:2011 EN60079-28:2006	Ex op pr	0	1	0	0	1

**NOTE** Above include reports to IEC 60079-0

#### 4.8 National accreditation

ExVeritas has accreditation from UKAS to ISO/IEC 17025:2005 to provide testing, certificate number 8613. This was first issued on 26 November 2014. See Annex C for the certificate.

The certificate covers all standards as shown in the scope in this report, but for some standards at present the earlier edition is shown, ie 60079-5, 60079-6, 60079-18 and 60079-28. In each case the latest editions of the standards have only recently been published by IEC and so it is anticipated the new editions will be included in the UKAS scope at the next opportunity.

#### 4.9 Calibration

All equipment needed for the scope extension was in calibration.

#### 4.10 Comments (including issues found during assessment)

There were no issues found regarding the application for scope extension.

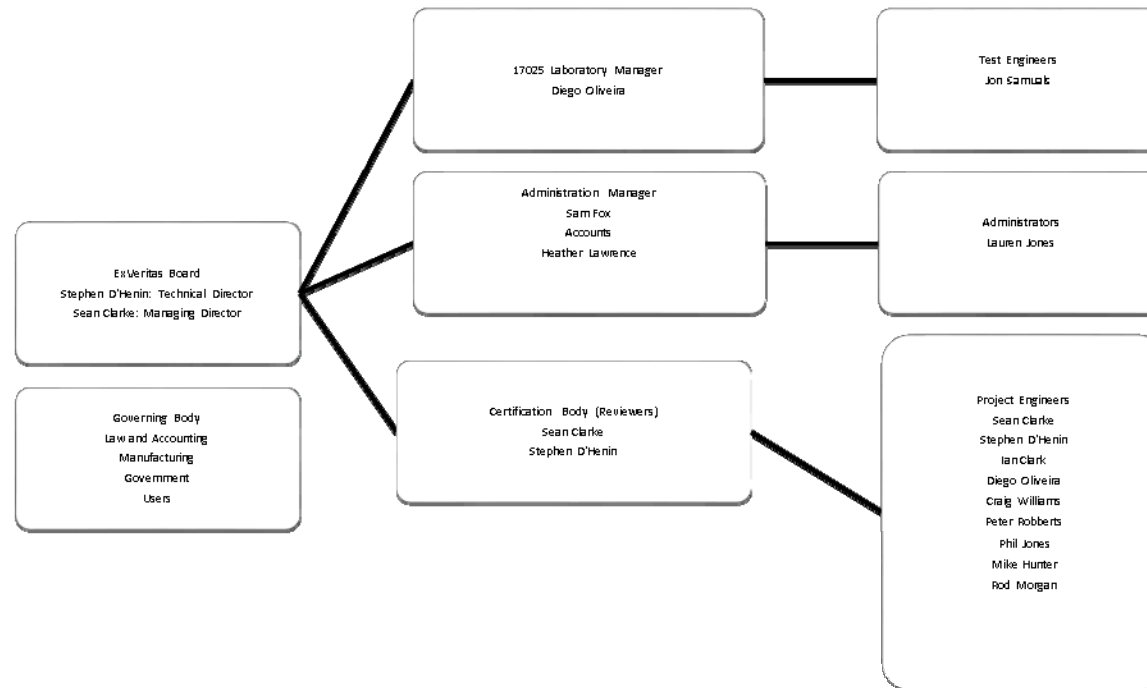
### 5 Annexes

See Contents. (add, modify or delete annexes as necessary). Please note the following instructions for the IEC template:

NOTE When creating a new annex **DO NOT** type the word Annex, just create a new empty page and then apply the styles ANNEX\_title to the first (empty) line. The word "Annex" followed by the letter "A" or "B", etc will automatically appear.

**TIP:** When typing annex titles, separate the lines of the title by "shift+return"

## Annex A Organisation Chart



**Annex B**  
**Accreditation Certificate for Product**  
**Certification**

**United Kingdom Accreditation Service**

**ACCREDITATION CERTIFICATE**



**CERTIFICATION BODY**  
**No. 8613**

**Ex Veritas Limited**

is accredited in accordance with the recognised International Standard ISO/IEC 17065:2012  
Conformity assessment - Requirements for bodies certifying products, processes and services.

This accreditation demonstrates technical competence for a defined scope as detailed in and at the locations  
specified in the schedule to this certificate.

The schedule to this certificate is an essential accreditation document and from time to time may be revised and  
reissued by the United Kingdom Accreditation Service. The most recent issue of the schedule of accreditation,  
which bears the same accreditation number as this certificate, is available from the UKAS website  
[www.ukas.com](http://www.ukas.com).

This accreditation is subject to continuing conformity  
with United Kingdom Accreditation Service requirements. The absence of a schedule on the UKAS website  
indicates that the accreditation is no longer in force.



*Accreditation Manager, United Kingdom Accreditation Service*

**Initial Accreditation date**  
**04 February 2015**

**This certificate issued on**  
**04 February 2015**

UKAS is appointed as the sole national accreditation body for the UK by The Accreditation Regulations 2009 (SI No 3155/2009) and  
operates under a Memorandum of Understanding (MoU) with the Department for Business, Innovation and Skills (BIS).

**Annex C**  
**Accreditation Certificate to ISO/IEC 17025**

**United Kingdom Accreditation Service**

**ACCREDITATION CERTIFICATE**



**TESTING LABORATORY**  
**No. 8613**

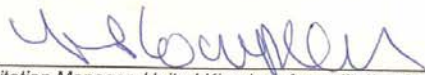
**Ex Veritas Limited**

is accredited in accordance with the recognised International Standard ISO/IEC 17025:2005 - General Requirements for the competence of testing and calibration laboratories.

This accreditation demonstrates technical competence for a defined scope as detailed in and at the locations specified in the schedule to this certificate, and the operation of a laboratory quality management system (refer joint ISO-ILAC-IAF Communiqué dated January 2009).

The schedule to this certificate is an essential accreditation document and from time to time may be revised and reissued by the United Kingdom Accreditation Service. The most recent issue of the schedule of accreditation, which bears the same accreditation number as this certificate, is available from the UKAS website [www.ukas.com](http://www.ukas.com).

This accreditation is subject to continuing conformity with United Kingdom Accreditation Service requirements. The absence of a schedule on the UKAS website indicates that the accreditation is no longer in force.



*Accreditation Manager, United Kingdom Accreditation Service*

**Initial Accreditation date**  
**26 November 2014**

**This certificate issued on**  
**26 November 2014**

UKAS is appointed as the sole national accreditation body for the UK by The Accreditation Regulations 2009 (SI No 3155/2009) and operates under a Memorandum of Understanding (MoU) with the Department for Business, Innovation and Skills (BIS).