



ExMC/1106/DV  
April 2016

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

**Title: Scope Extension Assessment Report for ExVeritas Limited, GB, an  
Accepted ExCB and ExTL within the IECEx System, Equipment Scheme 02**

**To: Members of the IECEx Management Committee, ExMC**

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**Introduction**

Following an application for a scope extension from ExVeritas, GB, a special site assessment visit was arranged and conducted for the inclusion of the following Standards within their scope -

**ISO 80079-36** Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic method and requirements

**ISO 80079-37** Explosive atmospheres - Part 37: Non-electrical equipment for explosive atmospheres - Non electrical type of protection constructional safety "c", control of ignition source "b", liquid immersion "k"

This report details the assessment findings of this scope extension with the IECEx Assessment Team recommending the acceptance of the above scope extension. It is now hereby submitted for voting by ExMC.

Please consider the report and return the completed voting form, separate Word document, to **the Secretariat** by **2016 05 16**

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

*Chris Agius*  
IECEx Secretary

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ExMC/1106/DV  
April 2016

## **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**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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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	✓

This site assessment is part of the processing of a scope extension request from ExVeritas for inclusion of the ISO 80079-36 and -37 non-electrical Standards which were in their final Draft form, in accordance with the decisions of the 2015 ExMC Christchurch meeting, where it was agreed that assessments of ExTLs and ExCBs could commence once the final Drafts were released.

Note: The standards were published at the end of February 2016

It should also be known that the Lead Assessor, Mr Ron Webb has been intimately involved in the preparation of the new non electrical standards as well as a member ExMC WG15 (non electrical expert Working Group).

### 1.3 Details of body

#### 1.3.1 Country

UK

#### 1.3.2 Name of body

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)
Ron Webb	Lead Assessor

#### 1.4.2 Place(s) of assessment

Unit 16-18, Abenbury Way. Wrexham Industrial Estate, Wrexham, LL13 9UZ, UK



### 1.4.3 Assessment date

22 March 2016

## 1.5 Scopes

### 1.5.1 Additional Standards for ExCB scope for equipment certification scheme

Number	Title
ISO 80079-36 Edition 1 (2016)	Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic method and requirements
ISO 80079-37 Edition 1 (2016)	Explosive atmospheres - Part 37: Non-electrical equipment for explosive atmospheres - Non electrical type of protection constructional safety "c", control of ignition source "b", liquid immersion "k"

### 1.5.2 Additional Standards for ExTL scope for equipment certification scheme

Number	Title
ISO 80079-36 Edition 1 (2016)	Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic method and requirements
ISO 80079-37 Edition 1 (2016)	Explosive atmospheres - Part 37: Non-electrical equipment for explosive atmospheres - Non electrical type of protection constructional safety "c", control of ignition source "b", liquid immersion "k"



## **2 Common information**

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

Not relevant as this is a scope extension assessment. This was covered in the assessment reported in ExMC/1028/DV.

### **2.2 Financial support**

Not relevant as this is a scope extension assessment. This was covered in the assessment reported in ExMC/1028/DV.

### **2.3 History**

Not relevant as this is a scope extension assessment. This was covered in the assessment reported in ExMC/1028/DV.

### **2.4 Documentation**

#### **2.4.1 Quality manual**

Not relevant as this is a scope extension assessment. This was covered in the assessment reported in ExMC/1028/DV.

#### **2.4.2 Procedures**

A procedure for the scope extension standards has been developed as 'Method Statement Non-Electrical'. This document, as Version 1 dated 05.19.2015, has been created based on the draft IECEx requirements in ExMC/1031/CD

#### **2.4.3 Work instructions**

None specific for non-electrical

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

Not relevant as this is a scope extension assessment. This was covered in the assessment reported in ExMC/1028/DV.

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

While covered in the assessment reported in ExMC/1028/DV, it was confirmed that the procedures also cover the new Standards listed under the scope extension request.

### **2.5 Confidentiality**

Not relevant as this is a scope extension assessment. This was covered in the assessment reported in ExMC/1028/DV.

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

Not relevant as this is a scope extension assessment. This was covered in the assessment reported in ExMC/1028/DV.



## 2.7 Recognition and agreements

Not relevant as this is a scope extension assessment. This was covered in the assessment reported in ExMC/1028/DV.

## 2.8 Internal audit and periodic management review

While covered in the assessment reported in ExMC/1028/DV, it was confirmed that the procedures also cover the new Standards listed under the scope extension request.

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

No subcontracting for the standards considered

## 2.10 Training and competence

There is a competency matrix for the IECEx Scheme. Interviews were undertaken with staff to ensure that they had the required level of understanding. These are included in a TCD document which is held by the Secretariat. Training records for each staff member are held on an Intranet system and are very comprehensive.

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

Not relevant as this is a scope extension assessment. This was covered in the assessment reported in ExMC/1028/DV.

## 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 and include:

- Completed technical capability document (TCD)

## 2.13 Recommendations

Based on the assessment performed on 22 March 2016, ExVeritas is recommended for continued acceptance in the IECEx scheme as:

- An ExCB in the IECEx Certified Equipment Scheme
- An ExTL in the IECEx Certified Equipment Scheme

with the extension of scope as detailed in section 1.5.

<b>Ron Webb</b>
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<b>Lead Assessor</b>
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Date: 22 March 2016





### 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) OD005-1 IECEx Quality System Requirements for Manufacturers – Part 1: Guidance on the establishment and maintenance of a quality system
- d) OD005-2 IECEx Quality System Requirements for Manufacturers – Part 2: Audit Checklist. (This is available in a Word format for use by ExCBs)
- e) ISO/IEC 80079-34 Edition 1, Explosive atmospheres – Part 34: Application of quality systems for equipment manufacture
- f) OD009 Issuing of CoCs, ExTRs and QARs
- g) 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
- h) OD0026 IECEx Certified Equipment Scheme – Guidelines for the qualification of Lead Auditor and Auditors, in accordance with the IECEx System
- i) ISO/IEC 17065, General requirements for bodies operating product certification systems
- j) IECEx Document OD17 Drawing and documentation guidance
- k) IECEx Technical Capability Document (TCD)
- l) ExTAG decision sheets (DSs)
- m) ExMC/1031/CD

NOTE The latest editions of the above documents were applied

#### 3.2 Candidate ExCB persons interviewed

Name	Position
Sean Clarke	Managing Director

#### 3.3 Associated ExTL(s)

The ExCB is integral with the ExTL

#### 3.4 Associated certification functions

Not relevant as this is a scope extension assessment. This was covered in the assessment reported in ExMC/1028/DV.

#### 3.5 National marks and certificates

Not relevant as this is a scope extension assessment. This was covered in the assessment reported in ExMC/1028/DV.

#### 3.6 Standards accepted in scope extension

See clause 1.5 of this report



### 3.7 National differences to IEC standards

National differences to IEC standards are those for the European differences 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	27 years Ex
Stephen D'Henin	Technical Director	31 years Ex

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

Name	Title	Experience
Diego Oliveira	Quality Manager	11 years Ex

#### 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	Comments
Diego Oliveira	Quality Manager	

### 3.9 Organizational structure

Included in the Site Assessment Report

### 3.10 Administration

#### 3.10.1 Administrative structure

While covered in the assessment report ExMC/1028/DV. The administrative structure remains appropriate for the scope extension request and is covered further in the Site Assessment Report

#### 3.10.2 Indemnity insurance

While covered in the assessment report ExMC/1028/DV. This remains valid.

### 3.11 Resources

Adequate staffing resources were available, refer 2.10 above

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

Not relevant as this is a scope extension assessment. This was covered in the assessment reported in ExMC/1028/DV.



### 3.13 Certification operations

#### 3.13.1 National approval/certification methods

Not relevant as this is a scope extension assessment. This was covered in the assessment reported in ExMC/1028/DV.

#### 3.13.2 Certification policy

Not relevant as this is a scope extension assessment. This was covered in the assessment reported in ExMC/1028/DV.

#### 3.13.3 Application for certification

While covered in the assessment report ExMC/1028/DV, this remains valid for the scope extension.

#### 3.13.4 Certification decision

While covered in the assessment report ExMC/1028/DV, the process captures the scope extension.

#### 3.13.5 Suspension and cancellation of certificates

While covered in the assessment report ExMC/1028/DV, the process captures the scope extension.

### 3.14 Certificates issued

Number of certificates issued under for the preceding four years for each type of protection. For new applications these should be for national or regional schemes and for currently accepted bodies IECEx certificates should be shown (certificates for other schemes may also be shown): <Table to be initially completed by body being assessed>

ExVeritas are able to demonstrate experience with non-electrical standards, noting the number of certificates and reports issued under the ATEX Directive:

Standard numbers	Type of protection or other identifying information	Total
EN 13463-xx	Non-electrical equipment (ATEX Certificates)	25

### 3.15 National accreditation

Noting the recent publication of these standards National accreditation for the standards involved in this scope extension will be made, however it is noted that ExVeritas hold UKAS accreditation for the EN 13463-xx series however annual surveillance may be required

### 3.16 Assessment of manufacturers and issue of QARs

ExVeritas already carry out QAN assessment to ATEX for non-electrical equipment. This will extend to cover QARs under the IECEx Scheme.

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

The staff interviewed had a good understanding of the non-electrical standards in the EN13463-xx series. These were used as a basis for development of ISO 80079-36 and ISO 80079-37.

## 4 ExTL for IECEx Certified Equipment Scheme

### 4.1 Assessment references

- a) IECEx02 IECEx Certified Equipment Scheme covering equipment for use in explosive atmospheres – Rules of Procedure
- b) IECEx OD003-2 Assessment, surveillance assessment and re-assessment of ExCBs and ExTLs operating in the IECEx 02, IECEx Certified Equipment Scheme
- c) IECEx OD009 Issuing of CoCs, ExTRs and QARs
- d) ISO/IEC 17025:2005 Edition 2, General requirements for the competence of testing and calibration laboratories
- e) IECEx Document OD17 Drawing and documentation guidance
- f) IECEx Technical Capability Document (TCD)
- g) ExTAG decision sheets (DSs)
- h) ExMC/1031/CD

NOTE The latest editions of the above documents were applied.

### 4.2 Candidate ExTL persons interviewed

Name	Position
Sean Clarke	Managing Director
Ian Clark	Senior Engineer
Phil Jones	Senior Engineer

### 4.3 Associated ExCB(s)

The ExCB is integral with the ExTL

### 4.4 Organisation

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

Name	Title	Experience
Sean Clarke	Managing Director	

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

Name	Title	Experience
Diego Oliveira	Quality Manager	

#### 4.4.3 Other employees in ExTL activity

Name	Title/responsibility	Experience in Ex
Stephen D'Henin	Technical Director	

#### 4.5 Organizational structure

The organisational structure remains applicable and satisfies the requirements of IECEx, re ISO/IEC 17025. Details included in the Site Assessment Report retained by the Secretariat.

#### 4.6 Resources

Adequate staff resources are available, see 2.10 above

#### 4.7 Test reports issued

Number of test reports (ExTRs) issued under for the preceding four years for each type of protection.

ExVeritas are able to demonstrate experience with testing and assessment to non-electrical standards, noting the number of certificates and reports issued under the ATEX Directive:

Standard numbers	Type of protection or other identifying information	Total
EN 13463-xx	Non-electrical equipment (ATEX)	25

#### 4.8 National accreditation

Noting the recent publication of these standards National accreditation for the standards involved in this scope extension will be made, however it is noted that ExVeritas hold UKAS accreditation for the EN 13463-xx series however annual surveillance may be required

#### 4.9 Calibration

Not relevant as this is a scope extension assessment. This was covered in the assessment reported in ExMC/1028/DV but remains applicable and complies with IECEx.

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

The staff interviewed had a good understanding of the non-electrical standards in the EN13463-xx series. These were used as a basis for development of ISO 80079-36 and ISO 80079-37.

### 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"