ExMC/581/DV
January 2010

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 *TRaC EMC and Safety Ltd.* - as an IECEx Certification Body (ExCB) within the IECEx System.

To: Members of the IECEx Management Committee, ExMC

INTRODUCTION

This document contains the IECEx Assessment Report for the acceptance of *TRaC EMC and Safety Ltd* as an accepted IECEx Certification Body (ExCB) within the IECEx System.

This report is hereby submitted for voting.

Please consider this assessment report and return the completed voting form (A separate document - in Word Format) to the IECEx Secretariat by 26th February 2010. Your speedy response to the voting process will be very much appreciated.

Chris Agius

Chris Agius
Secretary IECEx

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Secretariat

IECEx ASSESSMENT REPORT FOR TRAC EMC AND SAFETY LTD IECEx Certification Body (ExCB)

Type of Assessment: (please mark)

Initial Assessment for Candidate ExCB X

This assessment was a joint IECEx and UKAS assessment. For this reason the main lead assessor for the combined UKAS/IECEx Team was Chris Bestwick from UKAS, which is the UK Accreditation Body

1. OBJECT AND FIELD OF APPLICATION

1.1. Country:

United Kingdom.

1.2. Name of Candidate ExCB

TRaC EMC and Safety Ltd.

1.3. Members of the Assessment Team

Chris Bestwick - UKAS Lead Assessor and Combined Team Leader
Jim Munro - Lead IECEx Assessor and UKAS technical assessor
Thierry Houeix - IECEx Lead Assessor in Training and UKAS technical assessor
Herbert Peters - Expert IECEx assessor and UKAS technical assessor

1.4. Place and Date of Assessment

TRaC EMC and Safety Ltd,
Moss View,
Nipe Lane,
Up Holland, West Lancashire, WN8 9PY,
United Kingdom.

Assessment dates: 2009-06-30 to 2009-07-02.

This assessment was conducted as a Joint IECEx / UKAS Assessment according to the MOU between IEC and ILAC.

1.5. Assessment References

i) IECEx 02 Third Edition 2006-11 IECEx Scheme rules of procedure
ii) IECEx OD 003 IECEx Assessment procedures
iii) IECEx OD 005 Quality System requirements for manufacturers
iv) IECEx OD 009 Issuing of CoCs, ExTRs and QARs

v) IECEx Document OD 025 (ExMC/161/CD) Management of assessment and surveillance programs for manufacturers (includes QAR forms)
vi) ISO/IEC Guide 65:1996
vii) IECEx Document OD 17 Drawing and documentation guidance
viii) ExCB application documents dated 2009-08-07.

1.6. *Scope of Application (to be selected)*

Number	Title
60079-0 Edition 4	Explosive atmospheres - Part 0: Equipment - General requirements
60079-0 Edition 5	Explosive atmospheres - Part 0: Equipment - General requirements
60079-1 Edition 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures “d”
60079-2 Edition 5	Explosive atmospheres - Part 2: Equipment protection by pressurized enclosure «p»
60079-7 Edition 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
60079-11 Edition 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety “i”
60079-15 Edition 3	Electrical apparatus for explosive gas atmospheres - Part 15: Construction, test and marking of type of protection "n" electrical apparatus
60079-18 Edition 2	Electrical apparatus for explosive gas atmospheres - Part 18: Construction, test and marking of type of protection encapsulation "m" electrical apparatus
60079-26 Edition 2	Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga
60079-31 Edition 1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
61241-0 Edition 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
61241-1 Edition 1	Electrical apparatus for use in the presence of combustible dust Part 1: Protection by enclosure "tD"
61241-4 Edition 1	Electrical apparatus for use in the presence of combustible dust Part 4: Protection by pressurized enclosure "pD"
61241-11 Edition 1	Electrical apparatus for use in the presence of combustible dust – Part 11: Protection by intrinsic safety 'pD'
61241-18 Edition 1	Electrical apparatus for use in the presence of combustible dust Part 18: Protection by encapsulation "mD"

1.7. *Candidate ExCB Persons Interviewed*

Name	Position
Simon Barrowcliff	Certification Officer Safety (Head of department)
Stephen Winsor	Certification Liaison Officer
Nick Bourne	Certification Manager
Peter Green	Deputy Certification Manager

1.8. *Legal Entity of the Candidate ExCB*

TRaC EMC and Safety Ltd is a public limited company (incorporated as a UK limited company and is registered with Companies House (registration no. 5566063)) and a wholly owned subsidiary of Bioquell PLC. See section 1.13 below.

1.9. *Associated Testing Laboratories*

The testing laboratory (ExTL) TRaC EMC & Safety Ltd is integral with ExCB

1.10. *Associated Certification Functions*

None.

1.11. *National Marks and Certificates*

UKAS Accreditation 0178C
ATEX Notified Body 0891
IECEE NCB.

1.12. *Financial Support*

The ExCB is part of an independent test and certification company. It is self financing by fees charged to clients for test and certification activity. The last audited accounts from 2009 were available and were reviewed during the visit. This shows that TRAC has the necessary ongoing financial stability to support certification schemes.

1.13. *History*

TRaC EMC and Safety Ltd (trading as “TRaC”) operates as an independent, third party test, inspection and certification business and is not involved in the design, manufacture, installation, supply, purchase or use of products that it has certified. Within this business there is an independent certification body function and its scope includes Ex equipment.

The head office of TRaC is in Malvern, Worcestershire, United Kingdom, where EMC and radio testing are conducted. The company also operates a safety test laboratory in Watford, United Kingdom. EMC and radio testing is also conducted at the Up Holland site.

TRaC EMC and Safety Ltd was formerly known as TRL Compliance Ltd until January 2009.

TRaC EMC and Safety Ltd is part of the TRaC Global group of companies. TRaC Global is a specialist compliance group and encompasses four compliance companies: TRaC EMC and Safety Ltd, TRaC Environmental and Analysis Ltd and TRaC Telecoms and Radio Ltd. Since April 2008, the TRaC Global Group has a common Managing Director, Mark Heaven, who is responsible for all of the TRaC companies.

The owner of TRaC EMC and Safety Ltd (also of the other above mentioned TRaC Group Companies) is Bioquell PLC who are a UK stock exchange listed company. The Bioquell PLC Group comprises of two divisions; Bio-decontamination (which includes specialist hydrogen peroxide vapour bio-decontamination equipment for the pharmaceutical, life sciences and healthcare sectors, and Chemical, Biological, Radiological and Nuclear (CBRN) filtration products for the defense sector. Bioquell's interest in TRaC EMC and Safety Ltd (and all of the TRaC Global companies) is purely financial. It does not have any direct influence on testing and certification matters. The Bio-Decontamination and TRaC divisions operate independently of each other.

TRaC EMC and Safety Ltd is incorporated as a UK limited company and is registered with Companies House (registration no. 5566063).

The scope of activities as an ExCB is defined by operation under EN 45011 (ISO/ Guide 65) (Annex 3 UKAS accreditation 0178).

The scope of activities as a test laboratory is defined by operation under ISO/IEC17025 (UKAS accreditation 0728).

TRaC EMC and Safety Ltd has been a notified body for testing and certification of ATEX equipment since 2003. The company has also been issuing certificates for electrical equipment since 1995 (under UKAS ISO/IEC 17025 accreditation). TRaC EMC and Safety Ltd gained UKAS EN 45011 accreditation for ATEX and electrical equipment in October 2007. TRaC EMC and Safety Ltd was accepted into the IECEE CB scheme as both NCB and CBTL in July 2008.

1.14. *Standards Accepted*

See clause 1.6 of this report

1.15. *National Differences to IEC Standards*

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

2. ORGANISATION

2.1. *Names, Titles and Experience of the Senior Executives*

Name	Title	Experience
Steve Hayes	Managing Director	15 years
Mark Heaven	CEO	20 years
Simon Barrowcliff	Director, Safety	24 years

2.2. *Name, Title and Experience of the Quality Management Representative*

Name	Title	Experience
Nick Bourne	Quality Manager	42 years

2.3. *Name and Title of Nominated Principal Contact*

Name	Title	Comments
Simon Barrowcliff	Director - Safety	

2.4. *Name and Title of Signatories for Certification*

Name	Title	Comments
Simon Barrowcliff	Certification Officer Safety	
Stephen Winsor	Certification Liaison officer	
Nick Bourne	Certification Manager	Certification, 6 years Factory audits, 3 years
Peter Green	Deputy Certification Manager	Certification, 2 years

2.5. *Other Employees in ExCB activity*

Name	Title	Responsibility and Experience in Ex
Richard Mead	Factory auditor	Factory audits, 4 years
Asif Sadiq	Factory auditor	Factory audits, 2 years
Robert Pellizze	Factory auditor	Factory audits, 6 years

2.6. *Organizational Structure*

See charts appended to this document (Annex 1). The assessment team confirmed that there is a clear separation between testing activities and the final certification decision.

2.7. *Administration (including Indemnity Insurance)*

TRaC EMC & Safety Ltd has current liability and indemnity insurances.
Public liability and professional indemnity insurance certificates were checked and found to be current. The cover is worldwide. Details of the policies in place are:

Public / Product liability:-
Policy number WS0501331
Dates of validity till 31st March 2010
Issued by Aon Commercial Insurance, (insurer - New Line at Lloyds)
Indemnity cover £5M

Professional Indemnity:-
Policy number SC1919X060VR/4409

Dates of validity till 5th august 2009
Issued by Aon Commercial Insurance, (Markel (UK) Ltd)
Indemnity cover £2M

3. RESOURCES

Resources are allocated in terms of buildings, equipment, services and trained personnel by the Directors. A business plan is produced from which budgets are set and reviewed quarterly during the Directors meetings. Competent staff are ensured by an annual appraisal system which identifies future training needs.

4. COMMITTEES / Governing Board / Appeals / Advisory Board

TRaC EMC & Safety Ltd has a governing body referred to as the “Certification Body Forum” (CBF). The purpose of the CBF is to safeguard the impartiality of the certification body and ensure the consistent technically objective provision of its service. Where possible, the CBF will be made up of permanent members who can be represented at successive forum (examples of such members would be trade associations). A list of permanent members shall be maintained in the CBF file. The CBF is held annually and each meeting will review the operations of the certification body and each of its schemes during the previous year.

The last certification body forum held on last November. The membership of the Certification Body Forum is still limited to 4 voting members plus 3 additional TRAC employees. Whilst the CBF has been expanded since the 2007 meeting the membership is still too limited for the coverage of 4 certification schemes and is limited to trade associations. TRaC will attempt to expand the CBF to further increase the representation for all certification schemes and attempt to get wider coverage of interested parties.

Appeals are addressed by procedure CRP-30. If an appeals meeting is convened, in attendance will be the Complainant, the Managing Director and the Certification Manager (or another representative of TRaC if the Certification Manager is the subject of the appeal). A person independent of both the Complainant and TRaC EMC & Safety Ltd and acceptable to both parties will be in attendance and appointed as arbitrator. It is preferable if this person is a member of the Certification Body Forum because of their familiarity with the TRaC EMC & Safety Ltd certification system.

5. CERTIFICATION OPERATIONS

5.1. *National Approval/Certification Methods*

ATEX Notified Body (since 2003).
EN45011 accredited by UKAS. (Annex 3 – TRaC ExCB ISO/IEC Guide 65)

5.2. *Certification Policy*

In order to maintain the company's competitive position in the UK and international market place it is essential that TRaC EMC & Safety Ltd operates in an efficient and economic manner, whilst striving to continually improve it's services to clients. It is also essential to maintain a commitment to good professional practice and the quality of its testing and calibration.

It is the policy of TRaC EMC & Safety Ltd that the standards laid down in ISO/IEC 17025:2005 are used and shall be strictly adhered to in respect of laboratory activities.
The organisation and policies laid down in this manual and the procedures to which this document refers are designed to achieve this objective. A separate quality manual covers certification body activities under EN45011 and EN45004. Certification body specific, procedures can be found under the '30' series procedures.

The Managing Director has overall responsibility for ensuring that the requirements of this manual are adhered to by all employees. All Directors and Divisional Managers have the responsibility of ensuring that all Staff have access to and are familiar with, the requirements of this Quality Manual and all applicable supporting Procedures.
The Quality Assurance Manager has the responsibility for ensuring that regular and thorough audits of procedures and systems are undertaken to ensure compliance to both the procedure and the relevant requirements of ISO/IEC 17025:2005, ISO 9001:2000, EN45004 and EN45011 as they apply to operation as a laboratory.

Quality is not the sole responsibility of the quality organisation. It is the responsibility of all TRaC EMC & Safety Ltd employees.

Certification policy is described in the Quality Policy Manual in clause 25. The IECEx certification policy and the procedures are described in clause 21 of the Operating Procedure Manual (OPM). Clause 21 is a comprehensive description of IECEx Operational Documents. The policy and the procedures were found to meet IECEx Scheme requirements

5.3. *Application for Certification*

An Ex application form is used for this purpose. This reference of this document is RF351. A client signs this form to signify that this is a unique application to TRaC

5.4. *Certification Decision*

Decisions as to whether or not to certify a product is only taken by the Certification Manager or his deputy and on the basis of the results of evaluations, inspections and any other relevant information. The information gathered during the certification process is:

- Sufficient for the Certification Manager to make an informed decision;
- Fully documented to ensure Traceability;
- Sufficient to ensure continued conformity in accordance with the rules of the scheme;

- Made available to the client, upon request;
- Sufficient to provide objective evidence of compliance with the certification system;
- Sufficient to confirm the scope and currency of the certification of other certification bodies and the competency of such bodies, where they have been involved in the process or where their data has been used in the evaluation (procedure TEP-31 refers);
- Sufficient to ensure that non-conformities have been satisfactorily corrected and documented.

Procedure QAP-31 details the generic procedure for control of certification schemes.

The people authorised to make the certification decision are different from the personnel authorised to sign the certificates.

The IECEx 1st level password will be used by the certificate writer and the 2nd level password will be used by the personnel authorised to sign the certificates after having checked the certification decision has be made.

5.5. Suspension and Cancellation of Certificates

The suspension of certificates rules is well defined in the 3.4 in the QAP-30 document.

6. STATISTICS

6.1. Certificates Issued

Number of certificates issued under the national or regional schemes in the preceding four years for each type of protection:

Standards	**Title**	**Number of issued certificates**				
		2006	2007	2008	2009	Total
60079-0	Electrical apparatus for explosive gas atmospheres Part 0: General requirements	*Part 0 included in numbers below*				
60079-1	Electrical apparatus for explosive gas atmospheres Part 1: Construction and verification test of flameproof enclosures of electrical apparatus	7	6	12	6	**31**
60079-2	Electrical apparatus for explosive gas atmospheres Part 2: Electrical apparatus, type of protection 'p' (Pressurization)	3	8	2	2	**15**
60079-7	Electrical apparatus for explosive gas atmospheres Part 7: Increased safety 'e'	1	4	2	2	**9**
60079-11	Electrical apparatus for explosive gas atmospheres Part 11: Intrinsic safety 'i'	7	11	12	5	**35**

Standards	Title	Number of issued certificates				
		2006	2007	2008	2009	Total
60079-15	Electrical apparatus for explosive gas atmospheres Part 15: Electrical apparatus with type of protection 'n' (Non-Sparking)		5	9	7	**21**
60079-18	Electrical apparatus for explosive gas atmospheres Part 18: Encapsulation 'm'				1	**1**
60079-26	Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga	2	8	5	1	**16**
61241-0 **	Electrical apparatus for use in the presence of combustible dust Part 0: General requirements	*Part 0 included in numbers below*				
61241-1 **	Electrical apparatus for use in the presence of combustible dust Part 1: Electrical apparatus protected by enclosures				1	**1**
61241-4 **	Electrical apparatus for use in the presence of combustible dust Part 1: Electrical apparatus protected by pressurisation				1	**1**
61241-11 **	Electrical apparatus for use in the presence of combustible dust Part 11: Protection by intrinsic safety 'iD'				1	**1**
61241-18 **	Electrical apparatus for use in the presence of combustible dust Part 18: Protection by encapsulation 'mD'					
This list includes certification to equivalent EN500xx series standards and variation/amendment certificates. ** Requirements of these standards were considered substantially similar to the relevant EN60079 series standard.						

7. DOCUMENTATION

7.1. Quality Manual

The company has a comprehensive set of quality system documents contained in a company quality system folder (Quality Manual, Company Procedures and Product Certification Manual).

The Quality Manual is supported for certification activity by the Product Certification manual. These documents contain the top level requirements. These are both supported by Company Procedures and Divisional Procedures and meet the requirements of the IECEx System.

7.2. *Procedures*

The company has a comprehensive set of quality system procedure documents contained in a company quality system folder (Quality Manual, Company Procedures and Product Certification Manual).

The Company Procedures provide details of implementation at a company level through four sets of procedures covering administration (ADP's), testing (TEP's), quality (QAP's) and customer related (CRP's).

The Divisional Procedures are controlled by the Ex business stream. All the procedures required for IECEx operation are available and meet the requirements of the IECEx System.

7.3. Work Instructions

Work instructions are covered by the Ex business stream's dedicated procedure sets (EX series) and meet the requirements of the IECEx System.

7.4. Records

Documents associated with a certification project (e.g. application forms, evaluation records, surveillance reports, etc) are maintained through the established works order file system (procedure CRP-01 refers). Documents relating to certified products are maintained with the certification licence.

Certification records (and all associated records) are retained for at least 10 years after the end of certification. Records may be retained for a longer period and this will be established by the Certification Manager, in consultation with the Quality Manager and Managing Director, at this 10 year point.

Records maintained include electronic files in pdf format on a data storage server which is backed up every night.

7.5. Document Change Control

Procedure QAP-04 ensures that all company generated documents are originated, checked, approved and issued to the correct place to ensure efficient operation of the company and in are accordance with the standards and approvals held by the company. Wherever possible the documents are issued in a recognised company wide format.

8. CONFIDENTIALITY

All certification records (and associated test and inspection records) are retained in a secure environment such that access to these records is restricted to authorised personnel (procedure CRP-05 refers).

Procedure TEP-30 governs the confidentiality, independence and impartiality requirements placed upon all persons associated with the certification body (including those directly involved in certification activity and those involved in its management and supervision).

Secretariat

All TRaC EMC and Safety Ltd staff are subjected to confidentiality requirements with the assessment team verifying confidentiality agreements during the assessment on TRaC EMC and Safety Ltd records

Procedure TEP-30 governs the disclosure of information in respect of certification activity and certified products.

A selection of confidentially documents were reviewed and found to meet The IECEx System's requirements.

9. PUBLICATIONS

The scheme rules for TRaC Ex certification RF352 available for ATEX and IECEx are sent to TRaC's customers with the quotation.

10. NATIONAL ACCREDITATION

TRaC EMC and Safety Ltd has UKAS accreditation to EN45011 (ISO/IEC Guide 65) as a certification body. Copy attached to this document as Annex 3 Accreditation Certificate for TRaC ExCB Product Certification (UKAS EN45011).

11. RECOGNITION AND AGREEMENTS

TRaC is a Notified Body regarding ATEX 94/9/CE directive and some others (including Machinery 2006/42/EC, Low Voltage 2006/96/EC and EMC 2004/108/EC).

TRaC is an IECEE NCB at this site and an IECEE CBTL at its Watford and Hull sites.

TRaC has a partnering agreement with QPS (Canadian IECEx ExTL and ExCB). This agreement allows for subcontracting of tests when TRaC has insufficient capacity or when the client is based in Canada or USA.

12. INTERNAL AUDIT AND PERIODIC MANAGEMENT REVIEW

TRaC EMC & Safety Ltd conducts internal audits in accordance with a predetermined schedule and procedure to verify that its operations continue to comply with the requirements of the Quality System. Procedure QAP-02 section 3.2 covers internal audits. The Quality Assurance Manager is responsible for the conduct of internal audits. The cycle for internal auditing is completed within one year. Procedure QAP-02 refers.

To ensure the continued effectiveness of the Quality System, an Annual Management Review (AMR) is conducted. The Managing Director, Management Team and the Quality Manager collectively review the system comprehensively, examining the methods of operation and performance of the procedures and standards within the Company. Thereby they ensure that the system continues to be effective, achieves its purpose and facilitates necessary changes or improvements. QAP-02 refers.

The last review was held on 28th April 2009 with ATEX and IECEx subject included on the agenda for discussion.

The ATEX guidelines currently are at the first version. The second version was published in 2005, a second edition in 2008. And this last week, the third version was published.

13. SUBCONTRACTING, USE OF OTHER LABS AND USE OF OTHER LOCATIONS

Certification is not subcontracted. However parts of the certification process such as factory inspection (QAR and QAN) may be subcontracted using appropriate controls (procedure TEP31 applies).

It is not the chosen policy of TRaC EMC & Safety Ltd to subcontract tests and calibrations. However, there are circumstances where its laboratories are unable to carry out work, e.g. where such work falls outside of it's Schedule of accreditation or capability and/or as part of a large contract at the customer's request. In these circumstances the company ensures that such subcontracted work is undertaken by an accredited Test House (or other competent person or organisation) satisfying the relevant requirements of ISO/IEC 17025:2005 for the specific test or tests undertaken.

Procedure XF003 6.0 covers subcontracted testing. This includes internal subcontracting within the group. There is a list of subcontractors on the intranet and for recent subcontracting there are also folders that contain information like accreditation scope, the subcontracting agreement and any evaluation that has occurred.

The following tests are subcontracted either externally or internally within the group:

- UV testing to IEC 60079-0
- Battery shock test of IEC 60079-7

14. TRAINING

All staff employed are selected for qualifications and/or experience relevant to their responsibilities. Each member of staff has a full job description, which comprehensively defines their responsibilities, job function, qualification requirements and their position within the organisation. Further clarification can be found by referring to the Organisation Chart in Appendix 2 and to procedure QAP-01 that contains the job descriptions. Continued competence of Technical Staff is monitoring by the review of completed jobs by EX division Management. In addition, basic skills, as laid out in the test and internal calibration methods, are regularly audited and form part of the content of a staff annual appraisal. This also covers items such as the goals, achievements and identification

TRaC have used the TGDs as the basis for training. The training records include a track of projects that have been worked on. Most training is on the job. There is not much external training but staff have been sent to some basic courses on Ex. Staff are assigned competency levels against standards. The level assigned are from 4 (lowest) to 1 (highest). These are derived from a UK DTI guide and are defined in procedure

XF008. The information is stored in each officer's individual file which also contains their CV.

15. ASSESSMENT OF MANUFACTURERS AND ISSUE OF QARS

For each certification scheme a set of documented procedures is in place to enable surveillance to be carried out in accordance with the criteria of the certification system. The requirements for manufacturing surveillance activities (including initial and ongoing inspection of product during manufacture, audit of quality system and audit of products) are detailed within the relevant scheme rules and in relevant divisional procedures. Procedures QAP-31 and EX004 refer.

16. COMPLAINTS AND APPEALS (Including appeals to IECEx)

Procedures CRP-03 and CRP-30 exist to ensure that complaints regarding certified products, service, and the presentation of results, methods or any other subject are effectively actioned. Also to ensure that appeals and disputes in respect of certification activity and dealt with fairly and transparently.

TRaC received last year 3 complaints regarding ATEX certificate but none concerning technical and certification aspect.

There is reference in the Application document that TRaC's customer can appeal to IECEx, if he is not satisfied by the TRaC's decision.

17. SPECIAL FACTS TO BE NOTED

17.1. Supporting Documentation

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

- Details of issues raised and how these have been resolved to the satisfaction of the assessment team.
- Checklist for ISO/IEC 65 Guide
- Photos of the facilities and tests witnessed
- Assessor notes
- Completed technical guidance notes (TGDs) for 60079-0, 60079-1, 60079-2 60079-7, 60079-11, 60079-15, 60079-18, 60079-31.

18. COMMENTS (Including issues found during assessment)

There were a number of issues found during the assessment. Some details are included earlier in this report. The issues included membership of the Certification Body, the Certification Body Forum, Deputy Certification Manager authority, cancellation of the certificates procedure, Records keeping, Complaints to the Customer, training records. All issues were resolved to the satisfaction of the assessment team.

Secretariat

19. RECOMMENDATION

Based on the assessment performed on June 30th, July 1st and 2nd, TRAC TRL is recommended for acceptance in the IECEx scheme as an IECEx Certification Body (ExCB) according to the scope of the standards listed in this document. However, the firsts reports for type of protection 'i' and 'd' need to be reviewed by the IECEx assessors.

Jim Munro
Lead IECEx Assessor
UKAS technical assessor

Thierry Houeix
IECEx Lead Assessor in training
UKAS technical assessor

Herbert Peters
IECEx Expert Assessor
UKAS Technical Assessor

Chris Bestwick
UKAS Lead Assessor and Combined Team Leader

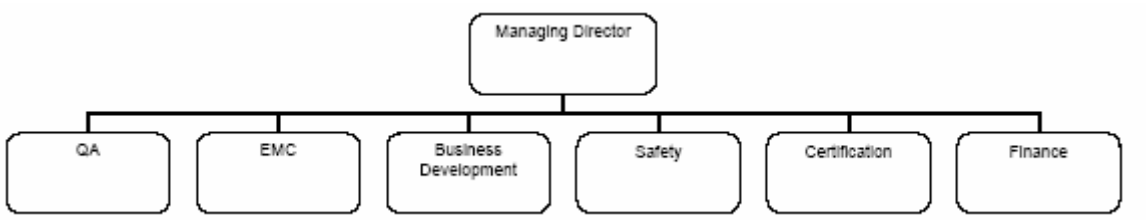
Date: 8 December 2009

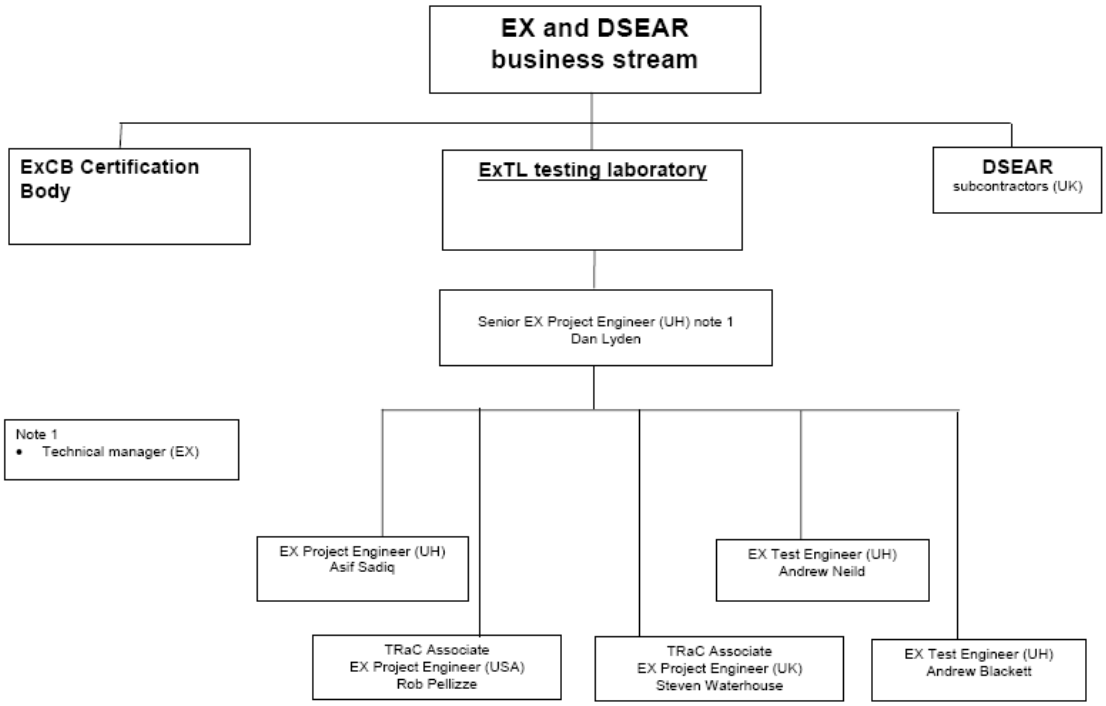
List of Annexes:

1. Overall Organization Chart of TRaC EMC and Safety Ltd.
2. Organization Chart of TRaC ExCB.
3. Accreditation Certificate for TRaC ExCB Product Certification (UKAS EN45011).

Secretariat

Annex 1 – TRaC EMC & Safety Ltd Organisation charts





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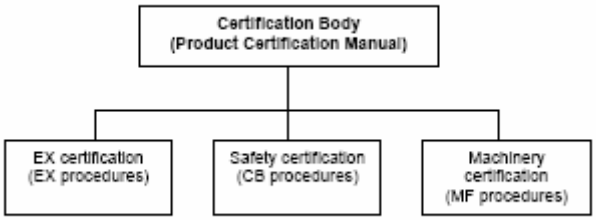
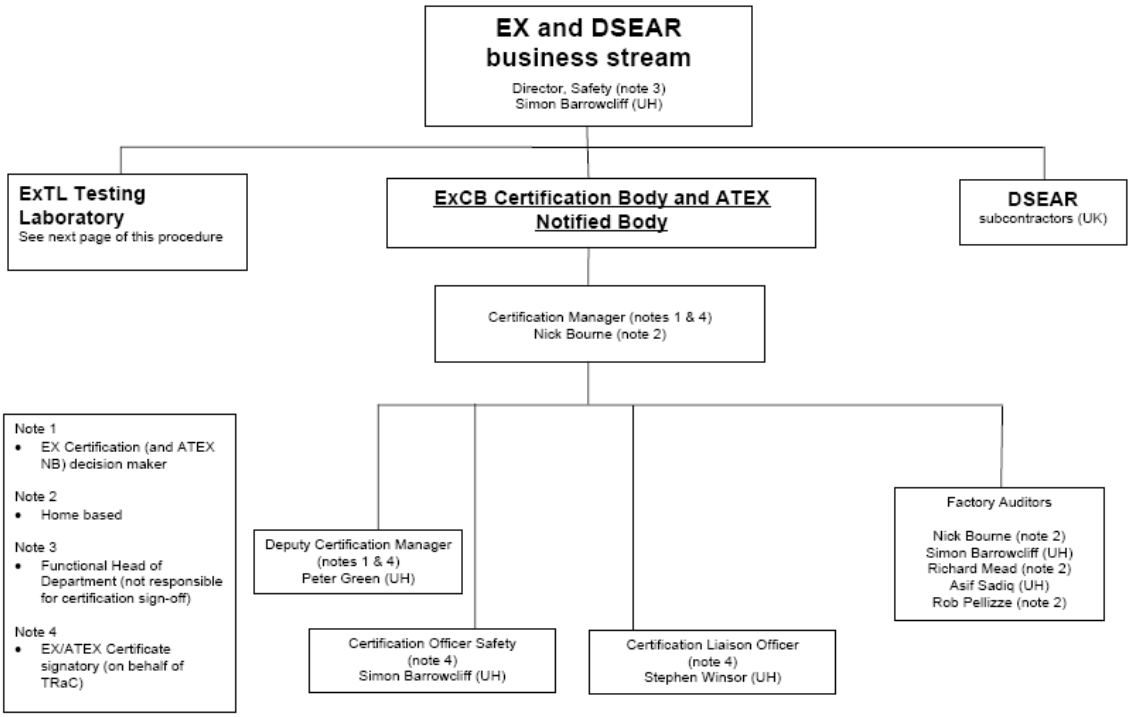
Annex 2 – TRaC ExCB Organisation charts





Annex 3 - Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

UKAS PRODUCT CERTIFICATION **178** Accredited to EN 45011:1998 (ISO/IEC Guide 65:1996) to provide product conformity certification	**TRaC EMC & Safety Ltd** **Issue No:** 003 **Issue date:** 11 November 2009	
	Moss View **Nipe Lane** **Up Holland** **West Lancashire** **WN8 9PY**	**Contact: Mr Simon Barrowcliff** **Tel: +44 (0)1695 556666** **Fax: +44 (0)1695 557077** **E-Mail: Simon.Barrowcliff@tracglobal.com** **Website: www.tracglobal.com**

Locations where certification activities covered by the above Accreditation Standard are undertaken	
Moss View Nipe Lane Up Holland West Lancashire WN8 9PY	

DETAIL OF ACCREDITATION

Product	Standard
Products components and systems intended for use in and in conjunction with potentially explosive atmospheres	**Conformity with standards applicable to the explosion safety of such products, components and systems**
General requirements	IEC 60079-0:2007 EN 60079-0:2006 IEC 60079-0:2004 (withdrawn) EN 50014:1997 (withdrawn)
Flameproof enclosures ‘d’	IEC 60079-1:2007 IEC 60079-1:2003 EN 50018:2000 (withdrawn)
Pressurised apparatus ‘p’	IEC 60079-2:2007 EN 60079-2:2004 EN 50016:2002 (withdrawn)
Increased safety ‘e’	IEC 60079-7:2006 EN 60079-7:2003 EN 50019:2000 (withdrawn)
Intrinsic safety ‘i’	IEC 60079-11:2006 EN 50020:2002
Type of protection ‘n’	IEC 60079-15:2005 EN 60079-15:2003 EN 50021:1999 (withdrawn)
Encapsulation 'm'	IEC 60079-18:2004 EN 50028:1987 (withdrawn)
Construction, test and marking of Group II category I G electrical apparatus	EN 60079-26:2004
Equipment with equipment protection level (EPL) Ga	IEC 60079-26:2006

Product	Standard
Protection by enclosure “tD”	IEC 60079-31:2008
Electrical Apparatus for use in dust atmospheres General requirements	IEC 61241-0:2004
Protection by enclosure “tD”	IEC 61241-1:2004 EN 50281-1-1:1999
Protection by purge and pressurisation “pD”	IEC 60079-4:2001
Protection by intrinsic safety “iD”	IEC 61241-11:2005
Protection by encapsulation “mD”	IEC 61241-18:2004
Non Electrical Equipment General Requirements	EN13463-1:2001
Protection by constructional safety “c”	EN13463-5:2003
Protection by control of ignition source 'b'	EN13463-6:2005
Protection by liquid immersion 'k'	EN13463-8:2003
Potentially explosive atmospheres. Application of quality systems	EN 13980:2002
Electrical and Electronic Equipment	**Conformity with standards applicable to the Electrical and Electronic Equipment**
Audio, video and similar electronic apparatus	IEC 60065:2001 + A1:2005
Electrical equipment for measurement, control and laboratory use	IEC 61010-1:2001

UKAS PRODUCT CERTIFICATION 178 Accredited to EN 45011:1998 (ISO/IEC Guide 65:1996) to provide product conformity certification	**Annex 3 - Schedule of Accreditation** **issued by** **United Kingdom Accreditation Service** 21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK **TRaC EMC & Safety Ltd** **Issue No:** 003 **Issue date:** 11 November 2009

Product	Standard
Automatic and semi-automatic laboratory equipment for analysis	EN 61010-2-081:2002 including Amendment A1:2003
In vitro diagnostic (IVD) medical equipment	EN 61010-2-101:2002
Household and Similar Electrical Appliances	IEC 60335-1:2004 IEC 60335-1:2001 (withdrawn)
Service machines and amusement machines	IEC 60335-2-82:2002
Information technology equipment	IEC 60950-1:2006 EN 60950-1:2001
Equipment installed outdoors	EN 60950-22:2005
Where IEC or EN standards have exact equivalents in BS, EN or BS EN Standards, these are also included in the accreditation.	
END	

TRaC EMC & Safety Ltd is recorded as issuing UKAS accredited certificates to organisations in the countries listed below. This list is current at the time of issue of this schedule.			
United Kingdom			