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

Circulation to: Ex Management Committee, ExMC

TITLE: IECEx Assessment Report for an extension of scope for existing ExCB DEKRA EXAM GmbH

INTRODUCTION

This document contains the IECEx Assessment Report for voting on an extension of scope for existing ExCB, DEKRA EXAM GmbH, to include ***IEC 60079-28 Explosive atmospheres Part 28: Protection of equipment and transmission systems using optical radiation***

The report is hereby submitted for voting by ExMC

Please consider the assessment report and return the completed voting form to the Secretariat by **2008 10 09**. Your speedy response to the voting process will be very much appreciated.

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IECEx Secretariat

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IECEx ASSESSMENT REPORT FOR DEKRA EXAM ExCB (IECEx Certification Body)

Type of Assessment: (please mark)

Scope Extension of ExCB **X**

1. OBJECT AND FIELD OF APPLICATION

1.1. Country:
Germany

1.2. Name of Candidate ExCB
DEKRA EXAM GmbH

1.3. Members of the Assessment Team
Jim Munro Lead assessor and Chairman of the Panel of Assessors

1.4. Place and Date of Assessment
18 April 2008

Carl-Beyling-Haus
Dinnendahlstr. 9
44809 Bochum
GERMANY

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 5 October 2006

1.6. ***Scope of Application (to be selected)***
The following scope extension is sought:

Number	Title
60079-28	Explosive atmospheres Part 28: Protection of equipment and transmission systems using optical radiation

1.7. *Candidate ExCB Persons Interviewed*

Name	Position
Dr Michael Wittler	Head Expert Body for Safety of electrical equipment - BVS
Dr Franz Eickhoff	Head of Explosion Protection
Guenther Schumann	Accredited Expert and Quality Manager
Rudolf Hauke	Head of Laboratory BVS

1.8. *Legal Entity of the Candidate ExCB*
Not covered for this scope extension.

1.9. *Associated Testing Laboratories*
The ExTL is integral with the ExCB at the same site.

1.10. *Associated Certification Functions*
Not covered for this scope extension.

1.11. *National Marks and Certificates*
EXAM issue certificates for this under the ATEX Directive

1.12. *Financial Support*
Not covered for this scope extension.

1.13. *History*
There was a change to ownership by Dekra which occurred in 2007. There has been no direct impact from this on the Ex operation (Explosion Protection / Electro Technology). There are now approximately 82 employees in Dekra Exam. The ownership history has been WBK, DMT, EXAM and DEKRA. BVS has remained as a common identity within each ownership and appears on the certificates.

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 in Ex (Years)
Dr Rainer Jockers	Head of the Certification Body	**15**
Christian Simanski	Deputy Head of Certification Body	**5**
Peter Migenda	Deputy Head of Certification Body	**5**

Name	Title	Experience in Ex (Years)
Dr Michael Wittler	Head Expert Body for Safety of electrical Equipment	**16**
Dr Franz Eickhoff	Deputy Head of Certification Body; Head of Explosion Protection	**17**

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

Name	Title	Experience
Guenther Schumann	Accredited Expert and Quality Manager	33 years Ex

2.3. ***Name and Title of Nominated Principal Contact***

Name	Title	Comments
Dr Rainer Jockers	Head of the Certification Body	

2.4. ***Name and Title of Signatories for Certification***

Name	Title	Comments
Dr Rainer Jockers	Head of the Certification Body	
Peter Migenda	Deputy Head of Certification Body	
Dr Franz Eickhoff	Deputy Head of Certification Body	
Christian Simanski	Deputy Head of Certification Body	
Dr Michael Wittler	Head Expert Body for Safety of electrical Equipment - BVS	

2.5. ***Other Employees in ExCB activity***

Name	Title	Responsibility
None		

2.6. ***Organizational Structure***
See Annexes 1 and 2

2.7. ***Administration***

2.7.1. Administrative Structure
Not covered for this scope extension.
2.7.2 Indemnity Insurance
Not covered for this scope extension.

3. RESOURCES

EXAM has the necessary resources to carry out this work.

4. COMMITTEES / Governing Board / Appeals / Advisory Board

Not covered for this scope extension.

5. CERTIFICATION OPERATIONS

5.1. *National Approval/Certification Methods*

Not covered for this scope extension.

5.2. *Certification Policy*

Not covered for this scope extension.

5.3. *Application for Certification*

Not covered for this scope extension.

5.4. *Withdrawal and Cancellation of Certificates*

Not covered for this scope extension.

6. STATISTICS

6.1. Certificates Issued

There have been about 20 certificates each year in the past (over about the last 10 years) involving optical radiation before there was a standard. They have done about 5 recent projects making use of the OP designation.

7. DOCUMENTATION

7.1. Quality Manual

Not covered for this scope extension.

7.2. Procedures

A procedure has been produced to cover testing (see ExTL report

7.3. Work Instructions

None applicable.

7.4. Records

The competency documentation has been updated to reflect staff with competency in this work.

7.5. Document Change Control

Not covered for this scope extension.

8. CONFIDENTIALITY

Not covered for this scope extension.

9. PUBLICATIONS

Not covered for this scope extension.

10. NATIONAL ACCREDITATION

EXAM holds accreditation from ZLS. ZLS do not list the type of protection or standards in its accreditation. However, EXAM provided evidence that ZLS does consider optical radiation to be part of the EXAM scope.

11. RECOGNITION AND AGREEMENTS

Not covered for this scope extension.

12. INTERNAL AUDIT AND PERIODIC MANAGEMENT REVIEW

Not covered for this scope extension.

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

EXAM has the capability to do all of the testing and hence do not need to sub-contract.

14. TRAINING

Evidence was provided of staff training and the assignment of competencies.

15. ASSESSMENT OF MANUFACTURERS AND ISSUE OF QARS

EXAM have demonstrated the competence to be able to assess manufacturers for this technique using its current procedures.

16. COMPLAINTS AND APPEALS (Including appeals to IECEx)

Not covered for this scope extension.

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. This includes the site assessment report for this assessment visit.

18. COMMENTS (Including issues found during assessment)

EXAM have provided the evidence that they have the competency to operate as an ExCB for this scope extension.

No issues requiring rectification were found during the assessment.

19. RECOMMENDATION

Based on the assessment performed on 18 April 2008, EXAM is recommended for extension of scope as IECEx Certification Body (ExCB) for the standard listed in this document.

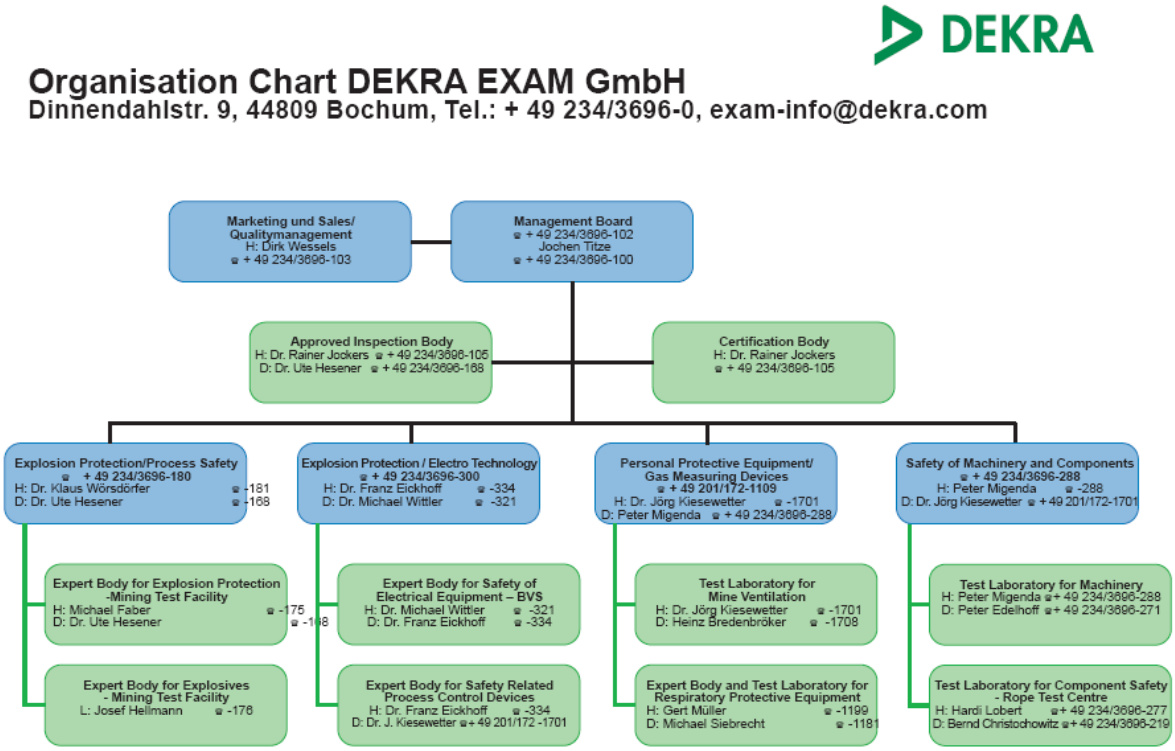
Jim Munro
Lead Assessor

Date: 8 September 2008

List of Annexes:

1. Organization Chart of DEKRA EXAM GmbH
2. Organization Chart Explosion Protection/Electrotechnology

Annex 1
Organisation Chart for DEKRA EXAM GmbH



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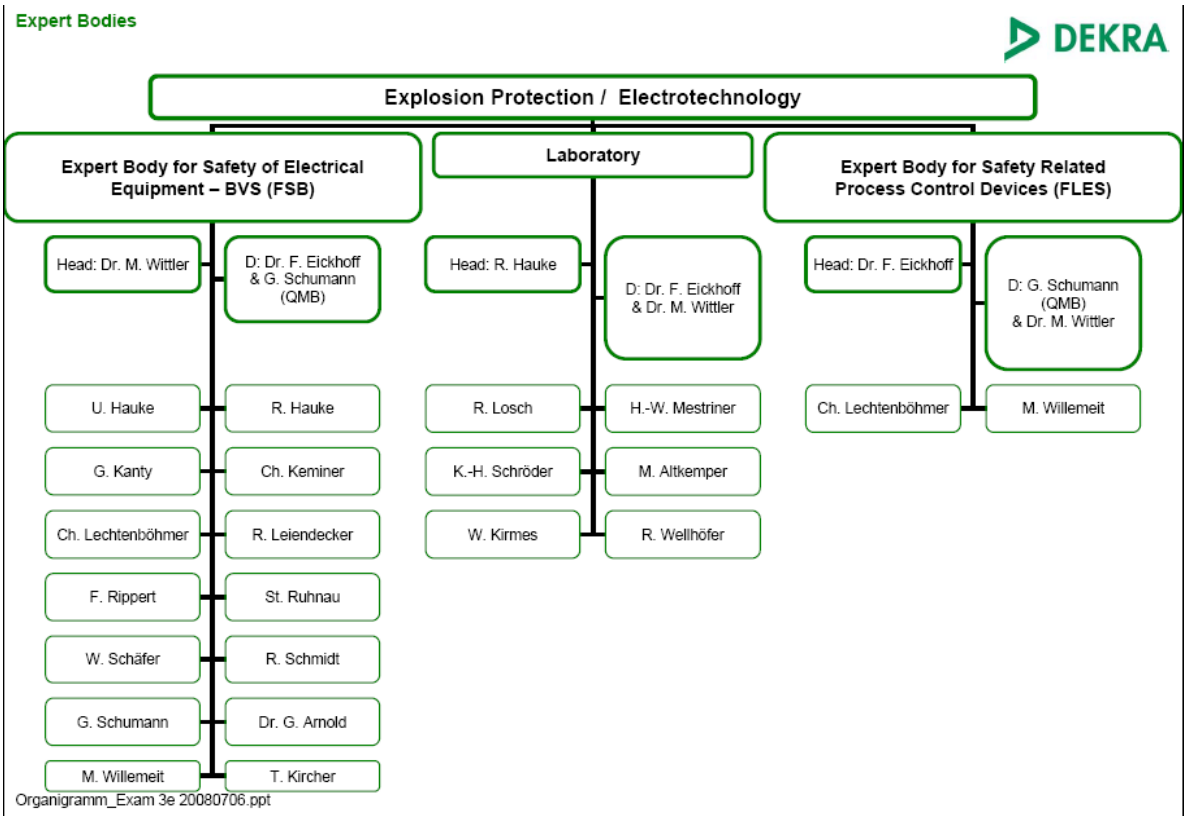
Annex 2
Organisation Chart Explosion Protection/Electrotechnology