



ExMC/148A/R
2002 10

**INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC SCHEME FOR CERTIFICATION TO STANDARDS FOR SAFETY OF
ELECTRICAL EQUIPMENT FOR EXPLOSIVE ATMOSPHERES (IECEx SCHEME)**

Title: Special report from Mr Hanko

This document contains updated information from Mr Hanko, concerning the special assessment of DMT/BVS following their relocation to Bochum, Germany.

This document will be considered at the Seoul ExMC meeting.

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IECEX ASSESSMENT REPORT
TEST LABORATORY

Type of Assessment:

Special assessment due to relocation of DMT/BVS Laboratory

1. Date and place of assessment:

Date: June 26th 2002

Place: New relocation of DMT/BVS Bochum Dinnendahlstraße 9.

2. Scope and purpose of assessment

Limited reassessment of DMT/BVS Laboratory due to relocation of the Laboratory from the address of Dortmund Derne Beylingstraße 65 to Bochum Dinnendahlstraße 9.

3. Documents that were used to conduct the assessment

a.) ExMC/100/CD 2001-07

b.) IEC Ex 02 1999-10

c.) IECEx Operational Document OD/003

d.) ISO/IEC Guide 25 / ISO 17025

e.) IECEx Technical Guidance Documents

General Requirements IEC 60079-0

Ex „d” Flameproof IEC 60079-1

Ex „i” Intrinsic Safety IEC 60079-11

Ex „e” Increased Safety IEC 60079-7

Ex „m” Encapsulation IEC 60079-18

DIP Dust Ingress Protection IEC 61241-1-1

f.) IECEx Site Assessment Report Ex/OD 006/Version 1 June 2002

4. Site assessment documents

See: Annex 1

Annex 2

Annex 3

Annex 4 and a detailed Report

was sent by post.

5. Final Conclusion

The modified Quality Manual was sent. The Laboratory has kept (even increased) the ability to carry out the tests indicated in the Quality Manual.

6. Recommendation

To prolong the validity of Scope of Acceptance for ExTL DMT/BVS in accordance with the Secretariat document given in Annex 5.

János Hankó

Annex 1



Protokoll

Überwachungsaudit IECEx-Schema am 26.06.2002 wegen der Betriebsverlagerung des Prüflabores DMT/BVS von Dortmund, Beylingstr. 65, nach Bochum, Dinnendahlstr. 9

Teilnehmer: Herr Janos Hanko
Herr Dr. Eickhoff

Lead Auditor
ab 01.07.2002 Leiter der
Organisationseinheit
Elektrotechnik/Explosionsschutz
ab 01.07.2002 Leiter des Prüflabors
QM-Beauftragter

Herr Dr. Wittler
Herr Schumann

Alle Prüfeinrichtungen sind voll funktionsfähig mit Ausnahme der Explosionskammer Nr. 1 (Abnahme gemäß Druckbehälter-Richtlinie fehlt noch, geplant für den 09.07.2002).

Zwei Prüfungen wurden auditiert:

eine Ex i – Prüfung und eine Ex d – Prüfung (Bezugsdruckbestimmung)

Die Prüfeinrichtungen funktionieren einwandfrei.

Aus technischer Sicht liegen keine Bedenken vor. Die ab 01.07.2002 sich ergebenden personellen Änderungen werden durch eine Änderung des Laborhandbuches dokumentiert. Die Änderungen beziehen sich nicht auf die Zertifizierungsstelle und nicht auf das QM-Handbuch der Zertifizierungsstelle.


Die notwendigen Informationen über das Prüflaboratorium und das geänderte Laborhandbuch werden bis Ende Juli 2002 zur Verfügung gestellt.

Bochum, den 26.06.2002


J. Hanko


Dr. Wittler


Dr. Eickhoff


G. Schumann

Annex 2



PROTOCOL

Subject: IEC Ex Reassessment of DMT/BVS Laboratory due to the relocation of the DMT/BVS from the address of Dortmund, Beylingstr. 65 to Bochum, Dinnendahlstr. 9 on June 26th 2002.

Persons present:

Mr. János Hankó	Lead Auditor
Dr. Eickhoff	Leader of the organisation unit Electrotechnics/Explosion protection reckoned from July 1 st 2002
Dr. Wittler	Head of the Testing Laboratory reckoned from July 1 st 2002
Mr. Schumann	Quality Management Representative

Each testing apparatus except for explosion chamber No. 1 (the pressure vessel is foreseen to be taken over only on July 9th 2002) is completely in good working condition.

Two tests were submitted to the audit:

One Ex i test and one Ex d test (determination of the reference pressure).

The operation of the test apparatus is excellent.

There is no problem from technical point of view. The personal changes entering into force on July 1st 2002 will be documented in the laboratory manual. The changes will not influence either the Certification Body or the quality manual of the Certification Body.

The required information about the Testing Laboratory and the changed laboratory manual will be made available till the end of July 2002.

Bochum, June 26th 2002


J. Hankó


Dr. Wittler


Dr. Eickhoff


G. Schumann

Annex 3

AKKREDITIERUNG



Die Zentralstelle der Länder für Sicherheitstechnik (ZLS)
– vertreten im Deutschen Akkreditierungsrat –
bestätigt hiermit, dass die

Deutsche Montan Technologie GmbH
Am Technologiepark 1, 45307 Essen

die Anforderungen des § 9 Abs. 2 Gerätesicherheitsgesetz (GSG)
und der Norm DIN EN 45 011 erfüllt sowie die Kompetenz besitzt,
Geräte zur bestimmungsgemäßen Verwendung in
explosionsgefährdeten Bereichen
im Geltungsbereich der EG-Richtlinie 94/9/EG entsprechend den
Bestimmungen des Akkreditierungsbescheides Nr. 5.ZLS/3926-1/14/01
zu zertifizieren.

Die Akkreditierung ist gültig vom **01.08.2001** bis zum **31.07.2006**.
DAR-Reg.-Nr.: ZLS-ZE-304/01

München, den 01.03.2002



Dr.-Ing. Klinger
Ministerialrat

Annex 4

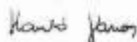
Dear Chris,

Subject: **Reassessment of DMT/BVS Laboratory**

- 1 The reassessment of the DMT/BVS Laboratory was carried out in Bochum on June 26th 2002.
- 2 A Protocol was drawn up about the reassessment – required due to the relocation of the Laboratory from Dortmund to Bochum – in German language (Annex 1) and English language (Annex 2).
- 3 It was stated that apart from the relocation of the laboratory, modification has been occurred also in the organisation of the Testing Laboratory. Thus the Laboratory Manual shall be rewritten according to the present „de facto“ modifications and the ones foreseen to occur „de jure“ on September 1st 2002. This was promised by the management of DMT/BS to be made by the end of July.
- 4 No change has been made in the Certification Body. Thus its Quality Manual need not be modified. National assessment is continuously performed (Annex 3 and Annex 4).
- 5 I am enclosing the IEC 79-1 Technical guidance Documents
IEC 79-1 Exd
IEC 61241-1-1 Dust ingress protection
IEC 79-18 Exm
IEC 79-11 Exi
IEC 79-7 Exe documents (Annex 5).
- 6 A successful test was performed in both Exd and Ex protection type.
- 7 The structure of the Laboratory is shown by the photos of Annex 6.
- 8 Following the acceptance of the modified Laboratory Manual the reassessment will be considered to be totally successful. Naturally I will inform you accordingly.
- 9 I would propose to confirm the original assessment, in case the requirements of point 8 are fulfilled. It is unconditionally required to modify the form of the assessment document (Annex 7) while maintaining its contents, by means of the completion of the formal and aesthetic requirements referring to such a document. This was expressly requested by DMT/BVS.

Budapest, July 24th 2002

Sincerely yours,

A handwritten signature in dark ink, appearing to read 'János Hankó'.

János Hankó



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IECEX

Secretariat

Annex 5

DMT Company for Research and
Testing-Certification Body
Beylingstr. 65
D-44329 DORTMUND
GERMANY

16 July 1999

Dear Dr Rainer Jockers

**IEC Scheme for certification to Standards for safety of electrical equipment for
explosive atmospheres (IECEX Scheme).**

DMT, DMT/BVS application for acceptance to the IECEx Scheme

I am pleased to confirm acceptance of **DMT, DMT/BVS**, by the IECEx Management Committee, as
an ACB and ExTL within the IECEx Scheme, in accordance with the Rules IECEx 02.

Date of Acceptance: 1 July 1999

Accepted Certification Body (ACB)

DMT Company for Research and
Testing-Certification Body
Franz-Fischer-Weg 61
D-45307 Essen
GERMANY;
and
Beylingstr. 65
D-44329 DORTMUND
GERMANY

Ex Testing Laboratory (ExTL)

Expert Body for Safety of Electrical
Equipment (BVS)
DMT-Company for Research and Testing
Beylingstr.65
D-44329 DORTMUND
GERMANY

Scope of Acceptance for ACB and ExTL

General Requirements (IEC60079-0)
Flameproof Enclosures (IEC 60079-1)
Pressurised Enclosures (IEC 60079-2)
Sand-filled Apparatus (IEC 60079-5)
Oil-immersed Apparatus (IEC 60079-6)
Increased Safety (IEC 60079-7)
Intrinsic Safety (IEC 60079-11)
Electrical Apparatus with Type of Protection "n" (IEC 60079-15)
Encapsulation "m" (IEC 60079-18)
Apparatus for combustible dusts (IEC61241-1-1)
Flammable Gas Detection Apparatus (IEC 61779-1,2,3,4 & 5)

On behalf of ExMC I wish to congratulate DMT and DMT/BVS and staff for their efforts in achieving IECEx
acceptance. The IECEx Scheme looks forward to a long and rewarding relationship with your
organisations, in our joint efforts to serve the International Ex Industry.

Yours faithfully

Chris Aglus
Secretary
IEC Ex MC