

**IECEX**

**INTERNATIONAL ELECTROTECHNICAL COMMISSION**

**IEC SCHEME FOR CERTIFICATION TO STANDARDS FOR SAFETY OF  
ELECTRICAL EQUIPMENT FOR EXPLOSIVE ATMOSPHERES (IECEX SCHEME)**

**Ex Management Committee, ExMC**

**ExMC Meeting - Braunschweig, Germany, 5 to 8 September 2000**

**List of Decisions from the 2000 ExMC meeting held in Braunschweig, Germany**

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Introduction

This document contains a list of decisions from the ExMC Meeting held in Braunschweig from 5 to 8 of September 2000. The decisions contained in this document are to be read in conjunction with the meeting agenda (document ExMC/56A/DA) and the various documents referenced within each decision.

**Braunschweig Meeting of ExMC  
2000-09-5 to 8  
ATTENDANCE LIST**

<b>NAME</b>	<b>COUNTRY</b>	<b>POSITION in Delegation Head Delegate/ Delegate</b>
<b>Ian Cleare</b>	<b>United Kingdom</b>	<b>Chairman</b>
<b>Chris Agius</b>	<b>Australia</b>	<b>Secretary</b>
<b>Joe Gryn</b>	<b>Canada</b>	<b>Vice-Chairman</b>
<b>Matej Grilc</b>	<b>Switzerland</b>	<b>Treasurer</b>
<b>Kerry McManama</b>	<b>United States</b>	<b>Observer</b>
<b>John Rennie</b>	<b>United States</b>	<b>Observer</b>
<b>Dr A. Zalogine</b>	<b>Russia</b>	<b>Delegate</b>
<b>Dr Victor Bayrak</b>	<b>Russia</b>	<b>Delegate</b>
<b>Mr Vitali Grudtsyn</b>	<b>Russia</b>	<b>Head Delegate</b>
<b>Alexander Spilkin</b>	<b>Russia</b>	<b>Interpreter</b>
<b>Yury Teryev</b>	<b>Russia</b>	<b>Delegate</b>
<b>Anthony M Owler</b>	<b>United Kingdom</b>	<b>Head Delegate</b>
<b>Peter Bremer</b>	<b>Sweden</b>	<b>Head Delegate</b>

<b>NAME</b>	<b>COUNTRY</b>	<b>POSITION in Delegation Head Delegate/ Delegate</b>
<b>Franc Cencelj</b>	<b>Slovenia</b>	<b>Head Delegate</b>
<b>Bert Vries</b>	<b>Netherlands</b>	<b>Head Delegate</b>
<b>Ha Dong, Kim</b>	<b>Korea</b>	<b>Delegate</b>
<b>Yong Kuk, Kim</b>	<b>Korea</b>	<b>Head Delegate</b>
<b>Joon KU, Kang</b>	<b>Korea</b>	<b>Delegate</b>
<b>Dam Taikjoo</b>	<b>Korea</b>	<b>Delegate</b>
<b>Bo – Hyuk Ryu</b>	<b>Korea</b>	<b>Delegate</b>
<b>Sorin Burian</b>	<b>Romania</b>	<b>Delegate</b>
<b>Ion Vanatoru</b>	<b>Romania</b>	<b>Head Delegate</b>
<b>Magyari Mihai</b>	<b>Romania</b>	<b>Delegate</b>
<b>Shunsuke Yoshihara</b>	<b>Japan</b>	<b>Observer</b>
<b>Toshi Hayashi</b>	<b>Japan</b>	<b>Observer</b>
<b>Ryuji Tanaka</b>	<b>Japan</b>	<b>Observer</b>
<b>Janos Hanko</b>	<b>Hungary</b>	<b>Head Delegate</b>
<b>Gerhard Schwarz</b>	<b>Germany</b>	<b>Delegate</b>
<b>Ewe Klausmeyer</b>	<b>Germany</b>	<b>Delegate</b>
<b>Wolf Dill</b>	<b>Germany</b>	<b>Head Delegate</b>
<b>Risto Sulonen</b>	<b>Finland</b>	<b>Observer</b>
<b>Bernard Piquette</b>	<b>France</b>	<b>Delegate</b>
<b>Michel Brenon</b>	<b>France</b>	<b>Head Delegate</b>
<b>Jacob Nittegaard</b>	<b>Denmark</b>	<b>Head Delegate</b>
<b>William Shao</b>	<b>Canada</b>	<b>Delegate</b>
<b>Peter Smith</b>	<b>Canada</b>	<b>Delegate</b>
<b>Jose David</b>	<b>Australia</b>	<b>Head Delegate</b>
<b>Roy Jacobi</b>	<b>Australia</b>	<b>Delegate</b>
<b>Ralph Wigg</b>	<b>Australia</b>	<b>Delegate</b>
<b>Jim Munro</b>	<b>Australia</b>	<b>Chairman TC 31</b>
<b>Giovani H Borges</b>	<b>Brazil</b>	<b>Observer</b>
<b>Yumin Bo</b>	<b>China</b>	<b>Head Delegate</b>
<b>Jianping Xu</b>	<b>China</b>	<b>Delegate</b>
<b>Shuanghui Li</b>	<b>China</b>	<b>Delegate</b>
<b>Wei Zhang</b>	<b>China</b>	<b>Delegate</b>

<b>NAME</b>	<b>COUNTRY</b>	<b>POSITION in Delegation Head Delegate/ Delegate</b>
<b>Jun Wang</b>	<b>China</b>	<b>Delegate</b>
<b>Martin Thedens</b>	<b>Germany</b>	<b>PTB Host Organiser</b>
<b>S. Andersen</b>	<b>Norway</b>	<b>Observer</b>
<b>Pavel Khorunzhy</b>	<b>Ukraine</b>	<b>Observer</b>
<b>Abraham Pogrelsky</b>	<b>Ukraine</b>	<b>Observer</b>
<b>Heinz Berger</b>	<b>Switzerland</b>	<b>Delegate</b>

### Decision 00/01

Approval of Agenda ExMC/56A/DA with the addition of the following items and documents added to the agenda.

Items:

- Liability of Information given in the Bulletin – raised by GB to be included under agenda item 12
- Publicity of the Scheme – raised by GB to be included under agenda item 12

### Documents Tabled at the Meeting were :-

<b>Document Reference</b>	<b>Description</b>	<b>Comments</b>
ExMC(Braunschweig/Secretariat) 1	Attendance list + Decisions from Day 1	
ExMC(Braunschweig/US) 2	U.S. Preliminary Concerns/Inquiries	Agenda Item 12
ExMC(Braunschweig/GB) 3	British Electrotechnical Committee contribution in respect of Agenda Item 13: Evolution of the IECEX Scheme.	Agenda Item 13
ExMC(Braunschweig/TAG) 4	Draft minutes and decision list of the ExTAG	Agenda Item 11
ExTAG/06/CD	Draft Operational Document on issue and use of ATRs – Previously issued to both ExTAG and ExMC	Agenda Item 11
ExMC(Braunschweig/WG5) 05	Amended doc ExMC/52/CD following WG5 meeting, 1 September 2000	Agenda Item 10
ExMC(Braunschweig/WG 5) 06	WG5 response to comments contained in Doc ExMC/74/CD – Manufacturers Quality Systems	Agenda Item 10

Document Reference	Description	Comments
ExMC/74/CD	Compilation of Comments on ExMC/52/CD – Manufacturer's Quality System – previously issued	Agenda item 10
ExMC(Braunschweig/Secretariat) 07	Tabled copy of CAB/251/R – Report on collaboration between ILAC and IEC Schemes	Agenda Item 9
ExMC(Braunschweig/Secretariat) 08	Tabled copy of CAB/243/DV – Audited accounts of the IECEX 1999 Accounts	Agenda Item 16
ExMC(Braunschweig/Secretariat) 09	Cumulative List of decisions from Days 1+2 of the ExMC Meeting	
ExMC(Braunschweig/GB) 10	ExMC Working Group WG2 Report	Agenda item 8
ExMC/68/DV and ExMC/69/DV	Voting documents for the acceptance of TUV Nord – Previously issued	Agenda item 8
ExMC/73/Inf	Lead Assessor Status report on current assessments – not all delegates may have this	Agenda 8.3

**Decision 00/02 (Agenda Item 4.1)**

The meeting endorsed the appointment of Mr Joe Gryn as representative to CAB WG5

**Decision 00/03 (Agenda item 4.2)**

The meeting could not arrive at a decision regarding document CAB/209/DC until advised about the relationship between non IEC countries participating in Schemes and the IEC. General feeling was that the Ex field is a heavily regulated area and membership to IEC provided some form of warranty to members of the scheme.

**Decision 00/04 (Agenda Item 4.3)**

Members considered document ExMC/60/CD and arrived at the following decision:

Item in ExMC/60/CD	Decision
1	Agreed
2	Agreed
3	Agreed
4	Agreed
5	Defer to discussions under agenda 11

The meeting also agreed with the authorisation of IECEX Officers to make available any IECEX publication free to individuals in the interest of promoting the scheme

**Decision 00/05 (Agenda Item 4.7)**

The meeting did not agree with the direct sale to advertising space on the IECEx website at the moment.

The meeting did agree with the linking from the website to manufacturers in possession of either an ATR or Certificate at a cost. The Secretary is to examine the costs associated with the provision of this service and report back to ExMC with a proposal prior to the next meeting. Members are to submit any proposals directly to the ExMC Secretary

**Decision 00/06 (Agenda Item 5)**

In reviewing the action list from the last meeting, the following matters were decided.

- Action item 11 – Copies of Acceptance letters to be forwarded to all IECEx members
- Action item 14 – carry to discussions under agenda item 8.6
- Action item 21 – to discuss during the course of the meeting
- Action item 22 – All reports to CAB to be circulated to ExMC
- A policy decision that all ExMC Minutes include an action list
- WGs be identified in minutes and action lists by WG number and its Convenor

**Decision 00/07 (Agenda Item 3.1)**

The meeting approved the minutes as a correct record of the 1999 Sydney meeting with the corrections Item 8 Nuremberg Conference to be held 2001.

**Decision 00/08 (Agenda Item 3.1)**

Agreement that minutes of future meetings be confirmed via correspondence

**Decision 00/09 (Agenda Item 4.1)**

The meeting re-inforced the need for a separate IECEx Mark of Conformity rather than a Generic IEC Mark on the basis that electrical equipment carrying a generic mark, covering basic electrical safety, may not comply with Ex Standards and therefore not suitable for use in an Ex area.

**Decision 00/10 (Agenda Item 6)**

Operational Documents showing the transitional period for member countries participating in the IECEx Scheme at the transitional level shall identify the start or end date of this transitional period.

**Decision 00/11 (Agenda Item 6)**

Secretary to contact member bodies that have not yet nominated candidate ACBs or ExTLs

**Decision 00/12 (Agenda Item 7)**

Dr Klausmeyer to sort out the issue regarding copyright with IECEE, in order to permit the IEEE paper on various Ex certification schemes, being placed on the IECEx Website.

**Decision 00/13 (Agenda Item 8.1)**

Members endorsed the acceptance of BKI as both an IECEx ACB and ExTL and KOSHA as both an IECEx ACB and ExTL, noting that voting had taken place via correspondence.

**Decision 00/14 (Agenda Item 8.2)**

The meeting agreed to accept SIMTARS as an ACB and therefore terminate the voting prior to the closing date of 8 September, with the Secretary to issue a formal voting report

**Decision 00/15 (Agenda Item 8.4)**

The meeting agreed to form a Working Group to review document ExMC/58/CD (IECEX Assessment procedures for ACBs and ExTLs). Membership of this WG being:

C. Agius      ExMC Secretary – Convenor

With AU, CA, FR, CN, DE, GB, US, Brazil all to nominate their representatives.

Agreed timetable for this work being:

- 31 December 2000 – Comments to be received by the ExMC Secretary
- 30 June 2001 – Revised Draft to be issued to ExMC for consideration

**Decision 00/16 (Agenda Item 8.4)**

The IECEX Scheme is to use the existing procedures for the assessment of ACBs and ExTLs as detailed in current IECEX documentation, including meeting minutes

**Decision 00/17 (Agenda Item 8.5)**

The meeting agreed to use existing procedures for the surveillance of ACBs and ExTLs as tabled during the Sydney 1999 meeting, with a copy of these to be available on the IECEX Website.

**Decision 00/18 (Agenda Item 8.7)**

The meeting accepted, with thanks, Mr J. Auret as the new Convenor of WG 3 – Evaluation of Assessors. The meeting also appointed, with thanks, Mr Vanatoru as a new member to WG 3.

**Decision 00/19 (Agenda Item 8.7)**

The meeting noted receipt of an application from FR for the appointment of Mr Jean-Pierre CARBON as an IECEX Assessor and agreed to assign the task of evaluating this application to the members of WG 3 present, present at this meeting, with Mr Owler to officiate as acting Convenor, in the absence of Mr Auret.

**Decision 00/20 (Agenda Item 8.9)**

Agreement to merge the two operational documents ExMC/10 and /09 into one document show the list of Assessors and their acknowledged expertise. This merging shall also show the definitions of the labels “C”, “T” etc with the criteria for categorising clearly shown.

**Decision 00/21 (Agenda Item 9)**

The meeting agreed for the continued support for the use of national accreditation of laboratories as part of the evidence gathering exercise for the demonstration of a laboratory’s ability to comply with the scheme rules. In addition the meeting also agreed that for ExMC to maintain this position ExMC felt that it is necessary for ExMC to be permitted to provide input into the development of any guidance documents prepared by ILAC.

**Decision 00/22 (Agenda Item 9)**

Meeting agreed to consider the ILAC document “Guidance for the Accreditation to ISO/IEC 17025” with the secretary to obtain a copy and forward to ExMC, with the permission of ILAC.

**Decision 00/23 (Agenda Item 9)**

The meeting agreed with the formation of a small consultative group of experts to assist the ExMC Secretary in his role of representing the IECEx Scheme on IEC CAB/ILAC co-operation's task force. Members include:

Dr Wolf Dill – DMT and ExTAG Chairman  
Jim Munro – Test Safe and TC 31 Chairman  
GB – to nominate

**Decision 00/23 (Agenda Item 10)**

Agreement to circulate a revised version of ExMC/52/CD, as proposed by WG5, to ExMC members for comments. In addition the meeting agreed that this document is to progress as an operational document

**NOTE: Decisions 00/24 to 00/36 were recorded from Day 4 of Meeting, noting that Day 3 was a Technical visit to BVS Dortmund**

**Decision 00/24 (Agenda Item 8.2)**

The meeting did not accept the assessment report of TUV Nord as presented. FR along with other members are to document their concerns and send them to the ExMC Secretary within one month of this meeting. The Secretary will then compile these and send back to the assessment team for their review and any action they deem necessary, with a revised report to be sent to the Secretary by end 2000.

**Decision 00/25 (Agenda Item 11)**

In receiving the report from ExTAG, ExMC agreed with the following:-

- National accreditation of Laboratories by a body affiliated with ILAC is recognised as part of the evidence gathering exercise, by the IECEx Assessment Team, however it is not mandatory for an ExTL to have National Accreditation;
- ExMC accepts ExTAG using an alternative Section 2 of an ATR (known as the Evaluation Record) where a Blank Section 2 (Evaluation Record) is not available. ExMC did not reach agreement on the use of alternative documentation, to Section 2 of an ATR, where complete ATR Blank forms are available.

**Decision 00/26 (Agenda Item 11.3)**

In considering the report from ExTAG, ExMC agreed to progress document ExTAG/06/CD as an ExMC document with the ExMC Chairman and Secretary to issue a revised draft, incorporating the discussions from both the ExTAG and ExMC meetings, for consideration by ExMC Members and their National Committees.

**Decision 00/27 (Agenda Item 13)**

In considering document ExMC/52/CD and the Evolution of the IECEx Scheme, the meeting agreed for the IECEx Officers to further consider the introduction of an intermediary Certificate for issue by ACBs during the Transitional Stage of the IECEx Scheme.

**Decision 00/28 (Agenda Item 13)**

There was full agreement for the introduction of a Quality Assessment Report (QAR) at the transitional Stage of the IECEX Scheme and charged ExMC WG5 with the task of developing this further along with their work on Manufacturer's Quality System Requirements.

**Decision 00/29 (Agenda Item 16)**

The 1998 Accounts were approved by ExMC for presentation to CAB for their approval.

**Decision 00/30 (Agenda Item 16)**

A modified version of the proposed 2001 budget contained in ExMC/71/CD was accepted incorporating the following changes:

- a) Removal of the allocated CHF 18'000 for Development of the Scheme's Full level of participation to bring total budgeted expenditure to CHF 132'000
- b) Annual Dues for 2001 are to be calculated using the following formula:  
  
CHF 3'500 for Member Bodies  
CHF 1'250 for each ACB  
CHF 1'000 for each ExTL
- c) Each Member country shall pay annual dues covering at least 1 ACB and 1 ExTL even if these have not been accepted into the Scheme as yet or even if these are not advised as yet.
- d) Countries attending as Observers at meetings are to be charged a fee after being permitted to attend the first meeting without charge.

**Decision 00/31 (Agenda Item 16 and 14)**

Working Group ExMC WG 6 formed to further develop issues relating to the introduction of an IECEX Mark of Conformity, addressing such issues as Management Issues regarding Ownership, Licensing Arrangements, Registration and Policing of the Mark with a proposal for consideration by ExMC to be provided to the ExMC Secretary by June 2001. ExMC Secretary to raise basic legal issues with IEC CAB and Central Office to assist WG 6 in their work.

Members of WG6 include:

- France – Mr M Brenon (Convenor)
- China - Wei Zhang
- Korea - Yong Kuk, Kim
- Romania – To advise the ExMC Secretary

**Decision 00/32 (Agenda Item 17)**

The meeting agreed to nominate Mr Heinz Berger of SEV, Switzerland to the position of IECEX Treasurer for approval by CAB and called upon Members to consider taking up this role as SEV has only accepted this role for a 1 year term.

**Decision 00/33 (Agenda Item 8.7)**

The meeting agreed to accept the nomination from FR for approval of Mr Jean Pierre CABON as an IECEX Assessor.

**Decision 00/34 (Agenda Item 12)**



In considering concerns from the US, detailed in document ExMC(Braunschweig/US)02, the meeting agreed with the following responses.

- a) **Concern 1** – Not on the basis that deviations regarding installation practices do not affect the requirements of standards for which conformity is sought
- b) **Concern 2** – If a Normative reference is technically equivalent then there is no national difference
- c) **Concern 3**- The meeting noted various hazards other than explosion related and therefore agreed that if they are not related to Ex Standards then such requirements are not national differences
- d) **Concern 4** – The subject of revised editions of IECEx Standards is not yet clearly defined according to the rules, noting current work within WG1 on the revision of IECEx 02 and the ExTAG suggestions. The meeting welcomed the offer of assistance from the US in this work.

#### **Decision 00/35 (Agenda Item 18)**

##### **Item 18.1 – Changes to rules**

The meeting agreed for ExMC WG1 to be activated to revise the IECEx Scheme Rules of Procedures contained in document IECEx 02, in light of:

- Experiences with operating the scheme
- New Reference standards, ISO/IEC 17025, ISO 9001:2000
- Proposal from FR, previously submitted
- Changes in TC 31 Standards
- Other issues as raised by Scheme members and participants

Also agreement to replace Mr Grilc with Mr Berger on WG1.

Members agreed to submit their comments or suggestions for improvements for the scheme to the ExMC Secretary by 31 December 2000.

#### **Decision 00/36 (Agenda Item 20)**

The meeting gratefully accepted the invitation from Korea to meet in Seoul in 2002 and agreed to leave the decision for a venue for the 2001 meeting till later this year.

#### **Decision 00/37 (Agenda Item 21)**

The meeting agreed that the meeting arrangements and facilities provided by the organisers enabled a very productive series of meetings to take place and conveyed their appreciation to the management and staff of the organisers.