



Secretariat

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

**IECEX Scheme
ExTAG Braunschweig Meeting 2000 09 04 and 05**

<i>Name</i>	<i>Country</i>	<i>ACB/ExTL</i>
Dr Wolf Dill	Germany	DMT/BVS (Chairman TAG)
Mr Michel Brenon	France	LCIE (Secretary TAG)
Mr Chris Agius	Australia	Secretary ExMC Observer
Mr David Gray	Australia	ITACS
Mr Roy Jacobi	Australia	QAS
Mr Jim Munro	Australia	TestSafe (Chairman TC31)
Mr Giovanni Borges	Brazil	UL do Brasil Ltda (Observer)
Mr Bill Shao	Canada	CSA International
Mr Peter Smith	Canada	CSA International
Mr Shuanghui Li	China	CMExC
Mr Jun Wang	China	CQSTEx
Mr Jianping Xu	China	NEPSI/SIPAI
Mrs Bo Yumin	China	CSBTS
Mr Wei Zhang	China	CCEX
Mr Jakob Nittegaard	Denmark	DEMKO
Mr Bernard Piquette	France	INERIS
Dr Ulrich Johannsmeyer	Germany	PTB
Dr Uwe Klausmeyer	Germany	PTB
Mr Gerhard Schwedt	Germany	TüV Nord
Dr Hans Wehinger	Germany	PTB
Mr Janos Hanko	Hungary	BKI Ex
Mr Toshi Hayashi	Japan	Observer
Mr Ryuji Tanaka	Japan	Observer
Mr Shunsuke Yoshiara	Japan	Observer
Mr Joon-Goo Kang	Korea	KTL
Mr Ha Dong Kim	Korea	KOSHA
Mr Yong Kuk Kim	Korea	KOSHA

Name	Country	ACB/ExTL
Mr Sorin Burian	Romania	INSEMEX
Mr Claus Fissgus	Romania	INSEMEX
Mr Mihai Magyari	Romania	INSEMEX
Dr Ion Vanatoru	Romania	INSEMEX
Mr Victor Bayrak	Russia	VNIEF
Mr Vitali Grudtsyn	Russia	VNIIS
Mr Alexander Shpilkin	Russia	VNIIFTRI
Mr Yury Teryaev	Russia	VNIIFTRI
Dr Alexander Zalogine	Russia	CCVEIGD
Mr Franc Cencelj	Slovenia	SIQ
Mr Peter Bremer	Sweden	SP
Mr Pavel Khorunzhy	Ukraine	TCC ExEE (Observer)
Mr Abraham Pogrelsky	Ukraine	TCC ExEE (Observer)
Mr Ian Cleare	United Kingdom	EECS(Chairman ExMC)
Mr Kerry McManama	United States of America	UL (Observer)
Mr John Rennie	United States of America	Factory Mutual Research (Observer)

**IECEX Scheme
Braunschweig Meeting of ExTAG
4th and 5th of September 2000**

Draft Minutes and decision list

1 Opening and Welcome

- 1.1 Welcome of Dr Goebel President of PTB, who presented PTB institution and its role in Germany.
Warm thanks of Ian Cleare, Chairman of ExMC, for PTB hosting the IECEx Scheme meetings

- 1.2 Welcome of W. Dill Chairman of ExTAG

Thanks to PTB hosting the meeting of IECEx Scheme, which is steadily growing as the number of participants show.

2 Approval of the Agenda

Agenda is approved without addition.

3 Approval of the unconfirmed minutes of the third meeting of the ExTAG Sydney 14/09/1999

On page 4 within table it should be read: INSEMEX

The Chairman mentioned few words to the memory of our appreciated colleague, Ion Caprar. On this occasion he expressed the sympathy of the whole Group to the Romanian Delegation.

Minutes are approved.

5 New applicant status review

See document n° OD 001/V3 of June 2000.
This document will be discussed in detail in ExMC.

For accepted Certification Bodies See OD 0002/V3

5.1 Information on actual process

Discussion

It is requested to the ExTAG Group to report any experience, e.g. differences between peer assessment and national accreditation.

National accreditation is found to be useful for helping entering the IECEx Scheme although it is not requested by it.

It is found useful when the formal aspect is concerned.

The feeling is that Peer assessment is more concerned by the technical aspects.

Decision 00/01 : the group considered that national accreditation is a basis for preparing the peer assessment but also reminded this is not mandatory in the Scheme.

5.2 Status review.

See ExMC agenda

5.3 Observations and suggestions possibly to be made to ExMC

No proposal

6 Working group status review

6.1 Report from WG 1

IECEX Assessment and Test report check list is made by (P.Smith)
This raised points of discussion.

Discussion

Different issues related to ATRs forms are to be discussed.

a) usage of the forms (extent and format of data to be included in the report?)

It is understood that the actual content is a minimum

The problem of identification of either the ExTL or the Certification body is brought up.

The group agreed to use basically the forms.

The question is, is it mandatory to use it as such, or modifications are allowed?

Experience of CB Scheme is reminded by the ExTAG Secretary where format are common and downloaded from the IECEE secretariat.

Recall of the IECEX rules is made by the ExMC secretary : it is possible to provide and accept a document which may be different from official ATR models. But of course these models should be used preferably.

Decision 00/02 : Complementary to the actual job on ATRs, the WG 1 should develop a guide to allow properly use of ATRs.

The amount of information that should be transferred to a receiving body is considered as a key issue. The use of e-mail exchange is encouraged.

The experience indicates that an issuing body wishes to transmit the minimum of information and that a receiving body would normally ask the maximum information.

Only relevant information of a standard for a specific equipment should be considered.

Decision 00/03 :

In general to avoid problems of acceptance the use of the official IECEX ATR format is preferred especially for new applications.

In the starting phase of IECEX scheme use of these official ATR format is left to the discretion of the issuing body, but when not used, it is left to the receiving body to accept the submitted document or to request supplementary information.

The ExMC secretariat has these ATR forms available to the members.

Decision 00/04 :

It is mandatory to use at least the official ATR cover page and the section 1, in any case.

b) new edition of IEC that need to be covered by ATR forms.

The group discussed problems to create easy usable ATR forms, because standards are not written in view of such a use. In this context reference was made to the need to meet more closely the requirements of ISO/IEC Guide 7. TC 31 Chairman, J.Munro and ExMC

Chairman, I.Cleare agreed on the approach to inform TC 31 and sub-committees about this discussion.

Decision 00/05 :

It has been found necessary to put the Chairpersons of TC 31 and Sub-committees on the mailing list of ExTAG. This will be achieved with the cooperation of ExMC secretariat.

Discussion :

Formal acceptance of IEC standards issued by TC31 or its subcommittee to be accepted by the scheme?

Decision 00/06 :

The scheme accepts the new edition of standards. A formal record of applicable standards should be made available officially to members and manufacturers.

What about having two editions in parallel?

Discussion :

It is believed that the last state edition should be applied with a reasonable transition period (it is felt that 6 months would be an acceptable transition).

Legal advice should be sought at IEC level to fix the date of withdrawal and of start of application of a new standard edition.

Decision 00/07: For ATRs preferably the latest edition of standard should be used especially for a new application. Nonetheless it is reminded that Article 10.4 of IECEx 02 also applies.

Decision 00/08 :

Canada agrees to issue the cover and section 1 of 79-11. BVS would do the same for 79-2. Nonetheless volunteers to reinforce the present WG 1 are sought for producing the complete set of ATRs

Decision 00/09 :

ATR for intrinsic safety related to the latest edition shall be developed with the additional contribution of TestSafe (AU) and PTB (DE).

c) improving the forms

Decision 00/10 :

Comments and suggestions should be sent by the members to WG1.

d) software suitable for global use

Decision 00/11 :

In order to ensure the best compatibility among members, the use of word 97 is the choice of the group.

6.2 Other Issues

6.3 IECEx TAG WG3 Documentation (J.Birch)

The document prepared will be circulated for comment as soon as available.

6.4 IECExTAG WG4 Uncertainty of Measurement (R.Jacobi)

A green paper drafted by BVS and PTB is distributed during the meeting and tabled under n°ExTAG(Braunschweig/Sec)/02.

Clarifications on the issue are made by R.Jacobi.

Discussion :

Consideration on good testing practice should not be forgotten.
Is it necessary to measure temperature minus or plus 1 K when inflammation temperatures are known at minus or plus 20 K?

Decision 00/12 :

The group is invited to react to the tabled document. Comments should be directed to R.Jacobi , Convenor by end of March 2000.

Decision 00/13 :

This document will be available via web-server of IECEx. It should be accompanied with a recall of term of reference of the WG and if possible an additional short explanation of the term uncertainty of measurement.

7 Technical discussion

7.1 Discussion on draft document ExTAG/05/CD

the aim is not to provide interpretation (which is the role of standardization) but to give a way to provide guidance on how to apply in a common way the edited standards.
This to improve the use of the standards by proposing common testing procedure.
It is proposed to make them available public.

Discussion :

Do we need a structure which works towards uniformity?

Decision 00/14 : ExTAG Group feeling is yes.

Is the presented form acceptable for technical decision ?

Decision 00/15 : ExTAG group agrees.

Discussion :

Should the technical decision be filled in separately or be left in the minutes?

Decision 00/16 : ExTAG Group feels that technical decisions should appear separately although a reference to it should be made in the minutes.

Discussion :

Should these decisions be sent to TC 31 for information and possible up date of the standards through the maintenance team?

Decision 00/17 : General feeling of the ExTAG Group shows agreement to this proposal. It is also suggested that a more formal exchange procedure between ExTAG Group and TC 31 is set in common.

Decision 00/18 : The decisions referred to shall be made available public (ExTAG members, by the ExTAG secretariat in cooperation with the ExMC secretariat with the proper disclaimer attached to the edited document.

Discussion :

How does the ExTAG Group accept technical decisions?

Decision 00/19 : As a preferred way, consensus is the first route or according to the provision of IECEx rules, a vote of TLs by simple majority is an other route.

Decision 00/20 : As an example of actual problem ExTAG/05/CD is submitted to the ExTAG group. Comments, suggestions are to be sent to the author.
Final draft will be presented next ExTAG meeting for approval by the group.

7.2 Discussion on draft document ExTAG/06/CD

Document drafted by the Australian National Committee.

Recommendations of the meeting:

Article 1, 3rd line : is to be modified as follows :
...to all relevant tests.specified in the Standards.

Article 2, 3rd and 4th lines replace "interpretation" by decision.
3rd line should is replaced by could
4th the receiving ACB *should discuss this with the issuing ACB and if after clarification the receiving NCB still has reasonable doubt the receiving ACB* has the right to either...is added.

article 6 : to be discussed in ExMC.

Article 7 : is modified as follows :
When a manufacturer applies directly to an ExTL the Ex TL must pass the evaluation record directly to the ACB for final issue of IECEX ATR.

Article 8 : no change

Article 9 : replace certificated by authenticated.

Article 10 : In case of reasonable doubt or in case of regulatory requirements is added color is removed

Article 11 : the three first parts are mandatory , the sequential part is left free.

Article 12 In case of reasonable doubt is added

Article 13 In case of reasonable doubt is added
6th line Replace testing of models compliance

article 14 no change

article 15 deleted. Some ACBs should check if general rules require forms for applications. and simplification on documentation request.

Decision 00/21 : all these recommendations should be brought to ExMC as the contribution of ExTAG on the subject

8 Contact with International and regional Bodies – Status review

No special information at the moment.

9 Miscellaneous

9.1 Review of ISO 17025

It is known that a two years transition is recommended, thence the candidate should conform to this by the end of 2001 for their assessment or reassessment

In AU ,UK and FR accreditation bodies have informed already their accredited laboratories that they will have to comply with ISO 17025 in due time.

9.2 Review of ILAC/LLC

Noted, to be discussed to ExMC

9.3 Reminder

In agreement with the Secretary, Chairman reminds the delegates, although it is certainly known, that decisions taken during the meeting shall be approved by the ExMC before entering in application.

9.4 Set up of new WG specific to ExTAG

No need expressed

9.5 Nomination of ExTAG Chairman for the term 2001-2003

On proposal of the Secretary, Dr W.Dill is warmly nominated unanimously by the meeting as Chairman for another three years period. This nomination shall be presented to the ExMC for acceptance in accordance with the rules.

9.6 Confirmation of next meeting

See ExMC decision on the matter

9.7 Closure

The Chairman thanks the delegates for their various contributions and for those that are going back home wishes a safe trip.