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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

Ex Management Committee, ExMC
For information to ExTAG Members

Summary Report from the IECEx Secretary
On attendance at the IEC CAB Meeting, held Tuesday 29 October, 2002
Beijing, China

Introduction

This document contains a summary report from the IECEx Secretary following attendance at the IEC Conformity Assessment Board (CAB) meeting on 29 October 2002.

The Acting IECEx Chairman, Joe Gryn, presented document CAB/390/R a copy of the IECEx Chairman's Report to CAB, at the CAB meeting.

A copy of CAB/390/R is attached as an annex to this report, for information.

Should you have any questions regarding any aspects of this report please contact the IECEx Secretary, as indicated below.

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Summary Report from the IECEx Secretary On attendance at the IEC CAB Meeting

**Held Tuesday 29 October, 2002
Beijing, China**

Background

This is a report on the attendance at the IEC CAB meeting, held 29 October, Beijing, by the IECEx A/Chairman, Mr Gryn and Secretary.

The following extract from the IEC website provides an outline of the role of the IEC Conformity Assessment Board

The [Conformity Assessment Board](#) (CAB) is responsible for the overall management of the IEC's conformity assessment activities. The CAB is a decision-making body and comprises a Chairman, 12 voting members elected by Council, one representative from each IEC conformity assessment scheme, the IEC Treasurer and General Secretary. The CAB is also responsible for the evaluation and modification of IEC conformity assessment activities including their budgets, as well as liaison with other international organizations on conformity assessment matters. The CAB meets at least once a year.

The CAB meeting was held in conjunction with the IEC General Meeting and attendance at the meeting enabled the IECEx Secretary and acting IECEx Chairman the opportunity to meet with Officers of other IEC Schemes as well as Staff from the IEC Central Office to discuss various issues such as promotion of the Schemes and other operational matters.

IEC CAB Meeting Decisions

The list of decisions, from the 29 October 2002 CAB meeting, that impacts on IECEx are recorded below and identified within boxes. A brief comment from the IECEx Secretary follows each of the decisions and is **identified by blue text**.

CAB Administration:

At the commencement of the meeting, the appointment of Mr Don Gray of AU, as the new CAB Chairman was confirmed. Mr Gray will take up office from the beginning of 2003.

SPECIFIC ITEMS RELATING TO IECEx:

ITEM 1 - CAB Agenda item 5.1 Strategy implementation

Concerning the implementation of CAB Strategy as detailed in the following document:
Documents: C/1283/DC, CAB/392/CC, CAB/346/R

Decision 18/2002

CAB approves the CAB strategic objectives' actions and responsibilities as given in C/1283/DC, and instructs the CAB Secretariat, with the support of the Scheme secretariats, to execute the actions, taking CAB/392A/CC into account. Where this involves action by CAB itself, individual CAB members will be approached in consultation with the CAB Chairman. Progress should be reported at each CAB meeting. CAB thanks WG 6 for the enormous work done and disbands the group. CAB agreed that C/1283/DC is a "living document" and that comments and suggestions are welcome to maintain its relevance.



Decision 19/2002

CAB invites the Schemes to consider the need to distinguish certification on the basis of International Standards, from certification on the basis of other publications (e.g. Publicly Available Specifications—PASs—or Industry Technical Agreements, ITAs).

IECEX Secretariat Comments

This relates to the implementation of the specific strategies, developed by CAB in consultation with the three IEC Schemes. It is also noted that during the ExMC Seoul meeting, a decision was reached to assign the task of managing the implementation of these strategies (as they relate to IECEx) to the IECEx Officers.

IECEX Members should also note the current position of IECEx concerning the use of ITAs and PASs in IECEx, which does not permit the issuing of a certificate of conformity for non-Standard publications. This position is reflected in Decision 19/2002

ITEM 2 - Agenda item 5.2 Marks To consider a report from CAB WG7, IEC Mark(s)

Document: CAB/391/INF

IECEX Secretariat Comments:

While a formal decision was not required at this stage, CAB did note however their previous decision to require the IEC Schemes to conduct surveys to determine the market need for an IEC Mark. Both IECEx and IECQ have agreed to undertake this survey.

An informal meeting of CAB WG7 members, present in Beijing, was held to review the status of work conducted to date. One concern expressed during this meeting, was whether or not IEC is prepared to deal with resulting liability issues should a Mark be introduced. Indication from the CAB meeting was that the provision of an IEC Conformity Assessment Mark is included in the IEC Masterplan and therefore IEC is prepared to deal with such issues but must first receive a proposal from the Schemes via CAB and WG7.

Item 3 - Agenda item 6.2 IEC Conformity Assessment Schemes – Report from the IECEx Chairman, IECEx 2001 Accounts, IECEx 2003 Budget
Documents: CAB/390/R, CAB/383/DV (2001 accounts), CAB/384A/DV (2003 Budget)

Decision 23/2002

On the recommendation of the IECEx Scheme Management Committee (ExMC), CAB makes the following appointments for the period 2003 to 2005:

- Dr U. Klausmeyer (DE) to a first term as Chairman of IECEx,
- Mr J. Gryn (CA) to a final term as Vice-Chairman,
- Mr H. Berger (CH) to a first full term as Treasurer, and
- Messrs J. Rennie (Factory Mutual, US) and Ha-Dong Kim (KOSHA, KR) to first terms on the IECEx Board of Appeal.



Decision 24/2002

CAB approves the 2001 IECEx accounts.

Decision 25/2002

CAB approves the IECEx budget for 2003.

IECEx Secretariat Comments:

The CAB meeting was pleased to note the significant increase to the active membership of IECEx and the work done to revise the rules that provides for the immediate issue of an IECEx Certificate of Conformity. Also of interest was the ExMC decision to permit observers to ExTAG meetings.

A revised 2003 Budget, CAB/384A/DV, incorporating the decisions from the ExMC Seoul Meeting was submitted to CAB and subsequently approved at the CAB meeting. A copy of the approved budget is also attached to this report.

Some CAB members expressed concern over receiving the Chairman's report on the day of the CAB meeting and then being asked to approved the nominations from ExMC. Both Mr Gryn and IECEx Secretary undertook to provide a preliminary report to CAB, in advance of the CAB meeting, should IECEx meet so close to CAB. This approached was used concerning the IECEx finances with both the 2001 accounts and 2003 draft budget being submitted to CAB in advance of the IECEx meetings with a note advising that they are yet to be considered by ExMC.

Item 4 - Agenda item 8.3 CAB/ILAC
Document: CAB/372/INF

Decision 29/2002

CAB congratulates the IEC-ILAC Technical Panel for its rapid progress, and endorses the IEC-ILAC Joint Statement of Intent as well as the conclusions of the Technical Panel contained in doc. CAB/372/INF, taking the discussion in the CAB meeting into account.

IECEx Secretariat Comments:

The CAB meeting noted the progress concerning cooperation with ILAC and noted the next meeting of the CAB/ILAC Technical Panel is scheduled for 22 January 2003, in Geneva.

Decision 30/2002

CAB decides to hold its next meeting on 2003-05-16 in Geneva.



Annex A

Copy of CAB/390/R. IECEx Chairman's Report to CAB



For IEC use only

CAB/390/R

2002-10-28

INTERNATIONAL ELECTROTECHNICAL COMMISSION

CONFORMITY ASSESSMENT BOARD (CAB)

Meeting: Beijing, 2002-10-29

SUBJECT

Agenda item 6.2.1

Report from the Acting IECEX Chairman after the October 2002 IECEX meetings in Seoul

ACTION

Items for decision by CAB will be found in the appropriate section; other items are for information.

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

REPORT TO CAB Following the IECEX October 2002 Meetings

General Information

The 2002 meeting of the IECEX Management Committee, ExMC, was held as part of the following IECEX meeting program:-

- Combined Meeting of IECEX Working Groups WG 1, *Revision of Scheme Rules* and WG 5, *Manufacturer's Quality System Requirements*
- IECEX Testing and Assessment Group, ExTAG
- IECEX Officers' Meeting
- IECEX Management Committee, ExMC

In addition an industry seminar dealing with the certification of Ex products was also held with various IECEX officers taking part, in presenting papers.

The meetings were held in Seoul and the grouping of meetings, at the one location, was appreciated by the majority of delegates.

For the ExMC meeting, 42 delegates from 16 countries attended, with Brazil attending as an observer. The IEC TC 31 Chairman, ex-officio member of ExMC, was also present during both the ExTAG and ExMC meetings.

Items dealt with during the meeting included election of officers, IECEX Chairman, Vice-Chairman and Treasurer. A new IECEX Chairman was elected, Dr Uwe Klausmeyer of PTB, Germany. Mr Gryn of CSA, Canada, has been re-elected as Vice-Chairman and Mr Heinz Berger of Electrosuisse, Switzerland, was re-elected as Treasurer.

ITEMS FOR THE INFORMATION OF CAB MEMBERS

- 1 Industry Seminar:- As the IECEX meetings are a gathering of Ex experts, the opportunity was taken to arrange a half day seminar for the Korean Ex industry. This seminar was the initiative of the IECEX Officers and focused on regulations surrounding the certification and approval of Ex products in Europe, North America, introduction of the IECEX Scheme and Korea's involvement in IECEX. The seminar consisted of presentations from IECEX Officers and a panel discussion that dealt with questions raised by the industry. This was a great success with some 85

representatives of manufacturers, regulators and users attending the seminar. It is intended to repeat the seminar at future IECEx meetings.

- 2 ExTAG Meeting:- Representatives from IECEx Accepted Certification Bodies, ACBs and Ex Test Laboratories, ExTLs, met to discuss technical matters surrounding the testing and certification to IEC standards in the Ex field. Highlights of the meeting are as follows:-

- Agreement reached on 6 Decision sheets
- Notification that all ExTLs now implement ISO/IEC 17025
- Support for CAB/ILAC initiatives proposed by CAB/ILAC Technical Panel
- Decision to permit observers at meetings.

- 3 ExMC Meeting:- While the ExMC meeting dealt with a full agenda, the meeting did have the following two primary objectives:-

- Progression with the assessment of candidate ACBs and ExTLs
- Reach conclusion on the current revision of the IECEx Scheme Rules and procedures to enable the scheme to operate at the full level including the issuing of IECEx Certificates of Conformity.

Both these objectives were met, with excellent progress made concerning changes to the rules to remove the obstacles that have prevented the issuing of IECEx Certificates of Conformity. A final document incorporating the Seoul decision will be finalized and circulated to National Committees for voting by end of 2002.

Concerning the progress with assessments, ExMC approved 11 individual assessment reports, resulting in 6 new ACBs and 5 ExTLs being approved, adding 4 new countries to the active membership. Countries with ACBs and ExTLs now approved to operate include:-

AU, CA, DK, DE, FR, HU, KR, NO, SE, SI, UK, US

Applicant ACBs and ExTLs from a further 5 countries are at various stages of the IECEx assessment process.

ExMC also endorsed the change in operation of the IECEx Secretariat, that occurred earlier this year. The IECEx Secretariat is now operated from the IEC Central Office, with the Secretary currently remaining in AU pending future discussions regarding transfer of Mr Agius and Ms Kane to Geneva.

Concerning specific CAB Matters, ExMC reached the following decisions:

- Reconfirmed desire for a dedicated IECEx Mark and agreed to conduct a survey of the Ex industry and other stakeholders
- Endorsement of the work between CAB/ILAC
- Overall support for the CAB Strategy and implementation, pertaining to IECEx.

An understanding on exchange of technical information and liaison between Technical Committee of IECEx and the Technical Committee for the European ATEX Directive, known as ExNB, for the purposes of a common understanding on Ex testing and certification matters.

ExMC approved a proposal to hold a seminar for industry, regulators and other stakeholders in Budapest in 2003. There was also a suggestion that representatives of WTO be invited, noting that such an invitation would need to come from CAB.

MATTERS FOR CAB DECISION

1 Appointment of Officers

a) IECEx Chairman:

The ExMC nominates Dr Uwe Klausmeyer of PTB, Germany for approval by CAB as the new Chairman of the IECEx Management Committee. Dr Klausmeyer has many years of experience in Ex testing and certification and is well regarded among the international Ex field. A copy of his CV is attached.

b) IECEx Vice-Chairman:

The ExMC approved the nomination of Mr Joe Gryn of CA to serve a second term as Vice-Chairman, in accordance with the IECEx Basic Rules, and also indicated its appreciation for the support from CSA International.

c) IECEx Treasurer:

The ExMC approved the nomination of Mr Heinz Berger of CH for a full 3-year term as IECEx Treasurer and indicated its appreciation for the support from Electrosuisse.

d) Board of Appeal:

The ExMC approved the nomination of the following 2 new members to the IECEx Board of Appeal:

- Mr John Rennie Factory Mutual, US
- Mr Ha-Dong Kim KOSHA, KR.

Curriculum Vitae

Name/Address:	Dr.-Ing. Uwe Klausmeyer Physikalisch-Technische Bundesanstalt, Bundesallee 100 38116 Braunschweig, GERMANY
Date/Loc. of Birth:	29 th August, 1952, in Holzhausen/Westphalia, Germany
School degree:	German Abitur, 1971
University education:	Process Engineer (Dipl.-Ing.), Institute for Process Technology, Technical University of Braunschweig, 1977
1977 – 1984	Researcher at the Institute for Process Technology, Technical University Braunschweig
Thesis:	“Flow of pre-mixed two phase fluids through porous media”, 1984
1985 – today	Several tasks at the Physikalisch-Technische Bundesanstalt, Braunschweig, Section ‘Explosion Protected Electrical Equipment’
1985 – 1987	Research work: “Plastics Materials for explosion protected electrical equipment”
1988 – 1990	Research work: “Basic requirements for Electrical Equipment to be used in the Zone 2”
1990 – 1992	Assistant Manager in the Laboratory ‘Flameproof Enclosures’
1992 – today	Manager of the Laboratory ‘Flameproof Enclosures’, Certification officer for flameproof apparatus and increased safety heating devices.

Present activities:

Testing and Certification

- on average 150 approvals ‘d’ and ‘e’ type of protection per year.

Research:

- Flames and flame propagation analyzed by Laser induced fluorescence and Schlieren optics
- numerical simulation of quenched chemical reactions
- new solutions for a flamepath design around shafts.

Standardization:

- Secretary CENELEC/TC 31, expert IEC/MT 7 ‘Flameproof enclosures’, German delegate IECEx Scheme since 1997.

IT-Solutions for Explosion Protection

- EX-INFO (<http://www.ex-info.de>).

Chemical Industry

- start up of a ‘Petroleum and Chemical Industry Committee (PCIC) Europe’ as parent organization of IEEE-PCIC North America
- several publications, presentations about IECEx Scheme on the North American annual IEEE-PCIC Conference (San Diego 1999, Rome 2000, Toronto 2001).



Annex B

Copy of CAB/384A/DV, IECEx 2003 Budget approved by CAB



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CAB/384A/DV

2002-10-28

INTERNATIONAL ELECTROTECHNICAL COMMISSION

CONFORMITY ASSESSMENT BOARD (CAB)

Meeting: Beijing, 2002-10-29

SUBJECT

Agenda item 6.2.3

IECEX budget for 2003, as revised and approved by the ExMC meeting in Seoul, 2002-10-23..25

BACKGROUND

The IECEX Management Committee (ExMC) approved the enclosed budget for 2003 at its meeting held 2002-10-23..25 in Seoul. It is a revised version of document CAB/384/DV.

ACTION

The CAB is invited to approve the IECEX budget for 2003.

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

Revised DRAFT Budget 2003

Introductory Note

This revised draft budget has been prepared by the ExMC Secretary and IECEx Treasurer, as a result of changes in the membership, i.e. closure of EECS, UK and one additional ExTL from CA following approval during the Seoul 2002 ExMC meeting. This revised draft budget is based on the previous proposed 2003 budget detailed in ExMC/133/CD noting the following general comments.

- A balanced budget is proposed
- Annual fees are proposed to remain at the same level as for 2001 and 2002
- Applications fees for new Members are proposed to remain at the same level for 2002
- The previously agreed Surcharge of CHF 2'000 per ATR, for applicants and manufacturers from non-IECEx Member Countries, is now shown in the notes to the budget

This draft budget was considered and approved at the October 2002 ExMC Seoul meeting.

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Draft IECEEx BUDGET 2003

Prepared by H. Berger – Treasurer IECEEx – and C. Agius – Secretary IECEEx

	2001 Account	2002 Budget accepted	2003 Budget proposed
EXPENDITURE		CHF	CHF
40000 Salaries, Insurance + Pensions – Total	100'757	109'500	110'500
41000 Rent, Heating, Cleaning,	2'500	2'500	-----
44100 Depreciation	3'000	3'000	-----
46110 Services + Supplies for Printing	2'186	1'000	-----
47100 Office Equipment + Stationery	974	1'000	3'500
4XXX Serviced Office facilities providing: Rent, Heating, Cleaning, Computer equipment with IT support, fax and general communication	-----	-----	10'000
47500 Communications	3'000	2'500	-----
47900 Miscellaneous, legal audit	1'991.65	4'000	4'000
47920 Website Maintenance and Development	-----	5'000	5'000
48000 Publicity	2'786.50	4'500	4'000
49000 Travel + Meeting Expenses	14'520	15'000	15'000
49500 Extraordinary Expense	3'159	-----	-----
Total	134'874.15	148'000	152'000

INCOME			
6000 National Dues	137'208	142'000	145'250
6020 Other Participation fees (applications, surcharges etc)	13'000	4'000	3'000
6100 Publications, Ex Bulletin	2'086.20	1'500	3'250
6200 Interest, Miscellaneous	1'428.65	500	500
6900 Other Income	3'159	----	-----
Total	156'881.85	148'000	152'000
Surplus/ <u>Deficit</u> 2001	22'007.70	0	0
Surplus/ <u>Deficit</u> TOTAL 1996-2001	36'857.26	-----	-----

Number of member countries **22** **22** **22**

Member countries:

AU,CA,CH,CN,DE,DK,FI,FR,HU,IT,KR,NL,NO,NZ,RO,RU,SE,SI,UK/GB,US,YU,ZA

Notes to the proposed Budget 2003:

Summary:

Most figures including salaries are approximately according to Account 2001 and Budget 2002.

This means that we do not expect any extraordinary expenditure or income.

Regarding income the budget is based on the assumption that there won't be significant, extra income from application fees, surcharges or the sale of the IECEX Bulletin and other publications.

In case of such extra income in 2003 this shall be assigned to the general reserve for contingency purposes.

IEC Central Office (CO), Geneva:

While for the interim, the appointed Secretary is to remain in Australia, the Secretariat will be operated by IEC Central Office, Geneva, thereby ensuring full access to all IEC CO services and facilities, however almost all activities associated with running the scheme (secretariat) are performed from Australia.

Services provided from the IEC CO include sale of IECEX Publications (Scheme Operational documents, IECEX Bulletin) via e-commerce from the IEC Website, IEC CO Promotions Department, IEC CO Finance Department for general accounting activities and overall Corporate support from the IEC CO Management Team.

Item 40000:

Remark: For Ch. Agius 50-60% of time allocated to IECEX Secretarial work and C. Kane 100% of time allocated as Assistant to Secretariat, based on current membership and workload levels.

Other items 4xxxx:

Previous items 41000, 44100, 46110 and 47500 are now incorporated into the one item 4XXXX as a single serviced office facility.

Item 6000:

It is proposed that there is no change to the annual dues and therefore remain at the same levels of 2001 and 2002. The difference between 2002 agreed total annual dues and 2003 proposed is due to additional ACBs and ExTLs from GB and KR, not included in the 2002 budget.

Other items 6xxx:

Remark 1: The draft budget includes the likely application by one additional ACB or ExTL.

Remark 2: Application Fees for New Countries during 2003 as set out below:

Country	CHF 4'000
ACB	CHF 3'000 (each)
ExTL	CHF 3'000 (each)

Remark 3: Applications from new ACBs and ExTLs from existing Member Countries shall pay the application fees applicable to the year the country was accepted into the IECEX or CHF 1'000, whichever is greater.

Remark 4: Surcharges apply to applicants and manufacturers from non IECEX Member Countries and for 2003 are set at CHF 2'000 per ATR. The ACB issuing the ATR shall collect the surcharge and forward this to the IECEX Account through the IEC CO accounts Department. The IECEX Secretary shall arrange for an invoice to be issued to the ACB.

IECEX BUDGET 2003 – Amount of national dues

Prepared by H. Berger – Treasurer IECEX (ExMC) – and C. Agius – Secretary IECEX

Notes:

- Figures for Country, ACB and ExTL are based on document Ex/OD/001/V8.
ACB include both ACB and candidate ACB. ExTL includes both ExTL associated with an ACB (already assessed) and candidate ExTL.
- A member country pays the dues for at least 1 ACB and 1 ExTL also when they are not yet defined or even when there are not ACB or ExTL in that country.
- The Total dues per country (last column) will be invoiced to the national Member Body.
Remark: If the invoice is to be sent to some other body the National Member Body shall provide the details to the IECEX Secretary with a copy to the IECEX Treasurer.

Country	Number of ACB	Number of ExTL	Dues split			
			national share	for each ACB	for each ExTL	Total all due per country

Amount in CHF	3'500	1'250	1'000	--
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1	AU	3	3	3'500	3'750	3'000	10'250
2	CA	1	2	3'500	1'250	2'000	6'750
3	CN	1	3	3'500	1'250	3'000	7'750
4	DK	1	1	3'500	1'250	1'000	5'750
5	FI	1	1	3'500	1'250	1'000	5'750
6	FR	2	2	3'500	2'500	2'000	8'000
7	DE	3	3	3'500	3'750	3'000	10'250
8	GB	2	2	3'500	2'500	2'000	8'000
9	HU	1	1	3'500	1'250	1'000	5'750
10	IT	1	1	3'500	1'250	1'000	5'750
11	KR	2	2	3'500	2'500	2'000	8'000
12	NL	1	1	3'500	1'250	1'000	5'750
13	NO	1	1	3'500	1'250	1'000	5'750
14	NZ	1	1	3'500	1'250	1'000	5'750
15	RO	1	1	3'500	1'250	1'000	5'750
16	RU	1	1	3'500	1'250	1'000	5'750
17	SI	1	1	3'500	1'250	1'000	5'750
18	ZA	1	1	3'500	1'250	1'000	5'750
19	SE	1	1	3'500	1'250	1'000	5'750
20	CH	1	1	3'500	1'250	1'000	5'750
21	US	1	1	3'500	1'250	1'000	5'750
22	YU	1	1	3'500	1'250	1'000	5'750

Total columns	29	32	77'000	36'250	32'000	145'250
Total of all Dues	CHF 145'250					