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

**Circulation to: Members of the IECEx Management Committee, ExMC**

The Twenty Third Meeting of the ExMC held Remotely on

**2nd and 3rd September 2021**

Draft Formal Minutes

Following on from the issuing of the Meeting Report of Confirmed Decisions from the 2021 meeting, document ExMC/1765/DL, **issued September 2021**, this document serves as the Draft Formal Minutes of the 2021 Meeting of the IECEx Management Committee.

These draft formal minutes include the respective agenda items from Agenda ExMC/1729B/DA along with the 2021 ExMC Report of Confirmed Decisions, shown as Decision 2021/XX as contained in document ExMC/1765/DL, with these draft formal minutes being issued for confirmation via correspondence.

Please advise the Secretariat via info@iecex.com by **31 May 2022** of any errors or omissions following which the minutes will be considered confirmed.

Please note that the Decisions shown in these minutes were confirmed during the meeting and hence they are not subjected to any changes.

These formal minutes contain the following Annex:

Annex A – Consent Agenda Items

Annex B – List of Actions arising from the meeting

Annex C – Recorded Attendance Days 1 + 2

Presentations and tabled documents, referenced in these minutes are available from the 2021 IECEx Meeting webpage <https://www.iecex.com/meeting-and-events/2021-remote-annual-meeting-of-the-iecex-system/>

In line with the confirmed Decisions detailed in ExMC/1765/DL, significant progress has been made regarding actions as listed in Annex B. A report of actions will be issued in due course.

**IECEx Secretariat**

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**Minutes of Meeting**

1. **OPENING AND WELCOME – Meeting to Commence 12 Noon UTC Time zone on Thursday 2nd September 2021 and continue from 12 Noon UTC Time Zone on Friday 3rd September 2021.**
	1. **Introduction and Address by IECEx Chair – Mr Paul Meanwell**

**Mr Paul Meanwell as IECEx Chair opened the meeting at 1200 on 2 September 2021 welcoming delegates to this remote meeting of the ExMC noting the issues surrounding the COVID-19 pandemic and travel restrictions. He made special mention of the CAB Chair, Mr Shawn Paulsen, and other CAB Members thanking them for their time to join this meeting.**

**The Chair then noted members of the IECEx Executive, along with TC 31 Chair Dr Thedens and the TC 31 /IECEx Liaison Mr Coppler.**

**The Chair also extended a special welcome to Delegates attending the meeting for the first time, with a special welcome to the Islamic Republic of Iran as our newest Member Country of the IECEx.**

**The Chair, noted the recent interest from experts from Slovakia. He welcomed the attendance of experts from Slovakia as Observers to this meeting as they consider joining the IECEx.**

**The Chair also noted the special working relationship with United Nations UNECE and acknowledged Dr Frank Lienesch and his role in the UNECE WP6 on Ex.**

**The Chair recalled in summary the challenges of the past year with the travel restrictions noting that most of the IECEx WGs have held meetings remotely and the progress of the peer assessment and value of the IECEx business continuity measures of IECEx OD 060 that has enabled IECEx to continue its business. The Chair thanked the Conveners and WG members for their cooperation in ensuring that the IECEx work continued.**

**He also recalled the various promotional events including development and launch of the new IECEx animated video and on-going work to promote the IECEx activities.**

**The Chair outlined the progress of work on the IECEx CoPC Question Bank, noting that we will receive a report during this meeting.**

**The Chair noted the excellent financial position of the IECEx.**

**The Chair thanked the IECEx Secretariat for their work over the past year and preparation for this meeting and then outlined the arrangements for this remote meeting.**

* 1. **Address by the IEC Vice President - Mr Shawn Paulsen**

**Mr Shawn Paulsen as IEC Vice President and CAB Chair gave an address to the ExMC informing the meeting of the importance of IEC Conformity Assessment is to the IEC.**

**Mr Paulsen gave a ppt presentation highlighting the current IEC Governance review and review of the IEC Statutes and Rules of Procedures that are underway of which is expected to be finalised during the 2021 IEC General Meeting in Dubai.**

**Mr Paulsen outlined the review of the risk management activities of IEC and those under CAB.**

**He outlined the work on Diversity both in terms of gender and geography.**

**He then outlined work on the IEC Strategic Plan.**

**He also outlined IEC work on the United Nations 17 Sustainable Development Goals (SDGs) and the work of the IEC CA System Treasurers and the IEC Treasurer noting that the IECEx Treasurer will give his report in this meeting.**

**Mr Paulsen outlined cooperation work between CAB and MSB (Market Strategy Board) on possible future opportunities for Conformity Assessment Activities.**

**Mr Paulsen thanked the IECEx Leadership and membership for its work and urged their continued efforts to support the global Ex community. The IECEx Chair thanked Mr Paulsen and following a brief round of questions and discussion the meeting recorded the following decision**

**Decision 2021/07**

The meeting appreciated an address from the IEC Vice President and IEC CAB Chair, Mr Shawn Paulsen and recorded our thanks for his participation today and for his ongoing support of the IECEx System.

1. **APPROVAL OF THE AGENDA**

**2.1 Approval of Draft Agenda**

 **Document considered:**

* **ExMC/1729B/DA** – Draft Agenda, 2021 ExMC Meeting

**The Chair called on the meeting to accept the draft agenda and following a brief discussion the agenda was approved with the meeting recording the following decision.**

**Decision 2021/01**

The meeting approved the draft agenda circulated as ExMC/1729B/DA with the following addition as a Green Paper:

* Agenda Item 4.1, ExMC(2021 Remote/FR)03 and agreed to the requests for:
* Agenda Item 9, IECEx Conformity Mark to be dealt with during Day 1 following agenda item 8.5
* Agenda Item 11, ExPCC Report to be dealt with during the Friday session of this ExMC meeting

**2.2 Approval of the Consent Agenda - Annex A**

**The Chair reminded the meeting of the value in using a consent agenda during the last ExMC meeting and called on members to consider the consent agenda as presented in Annex A of the agenda and if they agreed with the items as listed. The meeting indicated support for the consent agenda as presented and recorded the following decisions**

**Decision 2021/02**

The meeting approved all items listed in the Consent Agenda circulated as Annex A to ExMC/1729B/DA.

**3 MINUTES OF THE LAST ExMC MEETING**

**3.1\*** Confirmed minutes of the last meeting, held remotely, October 2020.

  **Document noted:**

* **ExMC/1682A/RM** – *Confirmed Minutes of the 2020 ExMC Meeting*

**The Chair noted the meeting’s agreement to the consent agenda and referred to Decision 2021/02.**

**3.2 Matters arising from these minutes**

**3.2.1** **Report on Actions arising from the 2020 ExMC Meeting**

 **Document noted:**

* **ExMC/1743/R** – Status of Action Items from the 2020 ExMC Meeting

**The meeting received a report from the IECEx Secretariat on action items from the last meeting with the Secretary advising that Action Item 1 related to High Voltage testing associated with the latest edition of IEC 60079-7 which had been dealt with during the ExTAG Technical meeting earlier this week. He advsied that an update on this will be included in the report from the ExTAG Chair later in this meeting.**

**The Secretary further noted a number of items that are listed for discussion in this meeting.**

**The Chair invited questions or comments with the meeting agreeing to record the following decision**

**Decision 2021/03**

The meeting appreciated and endorsed a report from the Secretariat on the actions arising from the 2020 Meeting as circulated as ExMC/1743/R*.*

**3.2.2** **Other items**

**The Chair called on the meeting to raise any other items relating to the minutes. No other items were raised**

**4 OVERVIEW OF IECEx SYSTEM ACTIVITIES AND OFFICER POSITIONS**

**4.1 Annual Report Card**

 **Documents Noted/Discussed:**

* **ExMC/1732/R** – 2021 IECEx Annual Report Card
* **ExMC(2021 Remote/FR)03**– FR Request

**The Secretary presented the annual report card as ExMC/1732/R noting that the 20 page report was tabled in advance of the meeting and therefore drew members attention to some of the highlights of the report, noting specifically:**

* **New member Country of Islamic Republic of Iran joining IECEx**
* **No loss of member Countries or ExCBs and ExTLs**
* **New ExCBs and ExTLs joining**
* **Scope extensions of ExCBs and ExTLs**
* **Statistics of issued certificates and reports that show an overall growth of around 12% compared to same time in 2020**
* **A breakdown of the new certificates versus certificates being up issued**
* **The growth in Draft Certificates that represent business in the pipeline**
* **New and improved IT tools to support the IECEx On-Line Certificate system**
* **Monitoring and review of the On-Line Certificate system by the Secretariat**
* **Promotional activities undertaken**
* **Activities associated with the Business Continuity measures, OD 060**

**The Chair invited questions or comments and noting supporting comments from the members the meeting agreeing to record the following decision**

**Decision 2021/04**

The meeting accepted the Secretariat’s report that emphasised a number of the aspects detailed in ExMC/1732/R as an overview of IECEx System activities.

**The meeting then took a discussion on the FR comment ExMC(2021 Remote/FR)03 with FR presenting their request for listing the scope of Additional Test Facilities on the OD 001 website page. The meeting considered the FR request with US indicating support but called for consideration of how best to display this.**

**DK supported the US suggestion to look at this matter more closely. AU also supporting that a closer consideration is required as identifying the scope of ATFs maybe complex as scopes of ATFs can simply be to a specific test and not the complete standard.**

**In following up discussion the meeting supported that the matter be referred to ExMC WG1 for consideration of how best to display this and agreed to record the following decision.**

**Decision 2021/05**

The meeting supported the proposal from FR NC [ExMC(2021 Remote/FR)03] to add scope details of ATFs to OD 001 and referred this matter to ExMC WG1 for further consideration regarding process and content. ExMC WG1 to report to the next ExMC meeting.

**4.2 Nomination of IECEx Executive Secretary**

  **Documents noted**

* **ExMC/1683/Inf** – IECEx Executive Secretary – call for nominations

**The Chair noted the call for nominations and that Mr Agius is willing to serve an additional term with support from the membership and agreed to record the following decision.**

**Decision 2021/06**

The meeting noted at time of closing of call for nominations circulated as ExMC/1683/Inf, all nominations received were for the re-appointment of Mr Chris Agius. The meeting then unanimously agreed on submitting Mr Agius for IEC CAB approval as IECEx Executive Secretary to commence another term of five years on 1st January 2022.

The meeting also recorded a note of thanks to Mr Agius for the great service and support to the IECEx System over many years since establishment.

### 5 REPORT ON IEC CAB (Conformity Assessment Board) MATTERS

**5.1****\*** **Review of Conformity Assessment Board (CAB) Decisions** **from CAB Meetings since the 2020 ExMC Meeting**

 **Documents noted:**

* [**CAB/2037/DL**](https://www.iecex.com/dmsdocument/3386)-Decision list of CAB meeting 48
* [**CAB/2098/DL**](https://www.iecex.com/dmsdocument/3387) - Decision List of CAB Meeting 49 held Remotely

**The Chair noted the meeting’s agreement to the consent agenda and referred to Decision 2021/02.**

* 1. **Specific CAB Matters for noting by ExMC**

**5.2.1\* Noting of Specific Decisions, relating to IECEx from CAB 2020 Meeting #48 (CAB/2037/DL)**

**Decisions noted:**

 Decision 48/11 – IECEx Annual Report

 Decision 48/12 – IECEx Vice Chair re-appointment

 Decision 48/13 – IECEx Treasurer appointment

Decision 48/03 – Consent Agenda items, including IECEx 2018 Audited Accounts

**The Chair noted the meeting’s agreement to the consent agenda and referred to Decision 2021/02.**

**5.2.2\* Noting of Specific Decisions, relating to IECEx from CAB 2021 Meeting #49 (CAB/2098/DL)**

 **Decisions noted:**

 Decision 49/02 – IECEx 04 Conformity Mark Licensing Scheme Ed 2.0

 Decision 49/04 – IECEx Budget 2022

 Decision 48/26 – IECEx Chair Report

**The Chair noted the meeting’s agreement to the consent agenda and referred to Decision 2021/02.**

**5.2.3 Other CAB Decisions, concerning IECEx from Meetings #48 and #49**

 Decision 48/07 +49/17 – CA Radar: *Assigned to ExMC WG13 for consideration*

 Decision 48/09 – Peer Assessment and national accreditation

 Decision 49/16 – Promotion: *Assigned to ExMC WG17 Marketing*

**5.3\* IEC Conformity Assessment System’s Harmonised Basic Rules**

**Documents noted:**

* **IEC CA 01 Ed 2.4 –** IEC Harmonised Basic Rules Ed 2.4
* **IECEx 01–S Ed 2.1** – IECEx Supplement to IEC CA 01 Ed 2.1

**The Chair noted the meeting’s agreement to the consent agenda and referred to Decision 2021/02.**

**5.4 Any other CAB Matters**

 To allow Members the opportunity to raise any other CAB Matters

6 IECEx MEMBERSHIP AND GENERAL MATTERS

**6.1\* Current Membership**

 **Document noted**

* **OD 001 –** Scheme Membership: Countries, ExCBs, ExTLs and applicants

**The Chair noted the meeting’s agreement to the consent agenda and referred to Decision 2021/02.**

**6.2 Country Membership Matters including New Countries to join - Update from the Secretariat**

**The meeting received a verbal update from the Chair noting the pleasing result to see the recent new member of Islamic Republic of Iran joining IECEx along with recent communication with Slovakia, and is pleased to see them attending this meeting as Observers.**

**The Chair further informed of initial communication with Vietnam, Austria and previously with Mexico regarding their participation in IECEx.**

**6.3\* Acceptance of New ExCBs / ExTLs accepted, via correspondence, since the 2020 ExMC Meeting.**

 **Document Considered:**

* **ExMC/1742/R –** Report listing of new ExCBs/ExTLs accepted since the 2020 ExMC Meeting

**The Chair noted the meeting’s agreement to the consent agenda and referred to Decision 2021/02.**

### 6.4IECEx Executive

**Documents noted/discussed:**

* **OD 002** – Tasks and Responsibilities of the IECEx Executive

**The Chair gave a report of the activities of the IECEx Executive, via a ppt, available on the IECEx 2021 meeting website.**

**The Chair outlined the composition and activities of the IECEx Executive as detailed in IECEx OD 002, which includes acting as an advisory function and any matters empowered by the IECEx Management Committee with decisions coming back to the IECEx Management Committee.**

**The Chair informed of activities undertaken by the IECEx Executive since the 2020 ExMC Meeting which included:**

* **Monitoring and refinement of the IECEx OD 060 for business continuity**
* **Oversight of finances and operation of budgets**
* **Review of the animation video**
* **Initial consideration of ISO Standards covering Hydrogen**
* **Cooperation with TC 31 Liaison regarding use of TC 31 Guides**
* **Oversight of committees that report to ExMC**
* **Others**

**The Chair also outlined the likely activities of the Executive following the 2021 annual meetings, including the oversight of finances and actions from the 2021 meetings and preparation for 2022 meetings.**

**The Chair then invited the meeting to raise any questions. Mr Coppler as TC 31 Liaison informed the meeting of the Joint WG with TC 31 page on the IEC Collaboration platform and invited IECEx to any input with the Secretary informing the meeting of the IECEx Executive view, that a stocktake of how each of the TC 31 standards and publications are being used by IECEx.**

**The meeting appreciated the report from the Chair and agreed to record the following decision**

**Decision 2021/09**

The meeting accepted the report from the IECEx Chairman on the activities of the IECEx Executive in particular the review of Roles and Responsibilities assigned to the Executive as detailed in IECEx OD 002.

The Executive looks forward to future work with JWG50.

**6.6 IECEx Operational Document OD 060 – Extraordinary Circumstances**

**Document considered:**

* **OD 060** – IECEx Guide for Business Continuity – Management of Extraordinary Circumstances or Events Affecting IECEx Certification Schemes and Activities (Ed 2.0).

**The Secretary gave the background behind the development of OD 060 which commenced back in January 2020 due to IECEx Certification Bodies and Manufacturers informing the Secretariat of decisions from their managements preventing travel of their staff and also of not permitting staff from overseas visiting them. As a result the first draft was prepared, and, in consultation with the IECEx Executive, issued the first edition in February 2020. The Secretariat further advised that the prolonged impact of the COVID-19 pandemic has resulted in the need for updating and the issue of Edition 2.0. Since then we now have prepared minor editorial updates and hence the Secretariat has prepared an updated 2.1 edition to accommodate editorial updates.**

**The meeting did consider the edition 2.1 with clarification that comments received from AU and others on edition 2.0 have been taken into account when compiling edition 2.1. AU indicated their support of the edition 2.1**

**The meeting endorsed the latest edition 2.1 of OD 060 and thanked the IECEx Executive and Secretariat for their diligence in preparing the much need document.**

**Decision 2021/10**

The meeting noted the publication of Edition 2.0 of IECEx OD 060 and endorsed the publication of Edition 2.1.

**In favour:** AU, BR, CA, CH, CN, CZ, DE, DK, ES, FI, FR, GB, HR, HU, IL, IN, IR, IT, JP, KR, MY, NL, NO, PL, RO, RU, SA, SE, SI, TR, USA, ZA

**Objections:** Nil

**Absent:** GR, NZ, SG, UAE

**Abstaining:** Nil

**6.7 Any other membership or general matters**

 IECEx Secretary to report.

**None were raised.**

### 7 IECEx ASSESSMENTS OF ExCBs AND ExTLs

**7.1\* IECEx Assessment of ExCBs and ExTLs since 2020 ExMC Meeting**

 **Document endorsed:**

* **ExMC/1741/R – Listing of ExCBs/ExTLs scope extensions and assessment reports issued since the 2020 ExMC Meeting.**

**The Chair noted the meeting’s agreement to the consent agenda and referred to Decision 2021/02.**

**7.2** **IECEx Maintenance and Consultative Group for matters relating to the IECEx Assessment of ExCBs and ExTLs across all IECEx Schemes – Report from ExAG.**

**7.2.1 Report from ExAG Convenor**

Members will also be asked to approve the proposed update of a number of IECEx Forms as listed below:

 Documents considered:

* ExMC/1727/RM - Report from ExAG
* ExMC/1736/DV –F-008, 02 Scheme ExCB Application Form
* ExMC/1737/DV – F-009, ExTL Application Form
* ExMC/1738/DV – F-010, ATF Application Form
* ExMC/1739/DV – F-011, Scope Extension Declaration Form
* ExMC/1753/Inf *–* Results of the 2021 IECEx Assessor Survey
* ExMC/1754/CD – US Comments

**The Chair noted the work of the IECEx Assessment Group, ExAG, in support of the IECEx Peer Assessment process, which is vital as part of the assessment and qualification process of IECEx Test Laboratories (ExTLs) and Certification Bodies (ExCBs). He noted the amount of work accomplished by the ExAG in the review and updating of a number of documents for consideration by this meeting.**

**The Chair called on the ExAG Convener, Dr Munro, to present his report and the proposed documents.**

**Dr Munro as ExAG Convenor presented his report along with power point presentation slides (available from the 2021 Meeting website). Dr Munro highlighted the value and use of the business continuity provisions of OD 060 to enable IECEx business to continue and that these measures have brought with them some ideas that we could take on board post COVID-19 travel restrictions.**

**Dr Munro informed of the IECEx Assessor survey that has been undertaken as part of lessons learned and ideas for making use of remote provisions for certain assessment types, all of this will be reviewed by the ExAG and then any proposals be presented to ExMC for subsequent approval.**

**Dr Munro then informed of the 4 Recommendations of the ExAG that are presented for ExMC approval and also noted the US comments as ExMC/1754/CD. He suggested that in light of these adjustments as requested that the ExMC agree for the draft documents to proceed for publication taking into account the US suggestions and accepting the US proposals, with a slight change to develop a separate form for the National Differences rather than being part of the ExCB application form.**

**The Chair then invited the US to speak to their proposals with the US appreciating the acceptance of their proposals and agreeing that a separate document be developed ~~ment~~ for the listing of national differences rather than being part of the ExCB application form.**

**On this basis Dr Munro presented the four ExAG Recommendations contained in ExMC/1727/RM and according to the ppt slides.**

**The meeting agreed with the proposals and agreed to record the following decision.**

**Decision 2021/11**

The meeting accepted a report from the ExAG Convenor, Dr Munro as circulated as ExMC/1727/RM and, via

**Decision 2021/12**

approved the update of IECEx Forms as proposed and circulated as ExMC/1737/DV, ExMC/1738/DV, ExMC/1739/DV and ExMC/1736/DV (with account taken of the US NC comments in ExMC/1754/CD).

**In favour:** AU, BR, CA, CH, CN, CZ, DE, DK, ES, FI, FR, GB, HR, HU, IL, IN, IR, IT, JP, KR, MY, NL, NO, PL, RO, RU, SA, SE, SI, TR, USA, ZA

**Objections:** Nil

**Absent:** GR, NZ, SG, UAE

**Abstaining:** Nil

**7.2.2 Re-Appointment of ExAG Convener and Deputy Convener**

**The Chair noted that Dr Jim Munro (AU) and Ms Katy Holdredge (US) will complete their first term as ExAG Convener and Deputy Convener, respectively, at end of 2021. In accordance with Clause 4.2 of IECEx 06 they are eligible to serve an additional 3 year term and have expressed their willingness to do so, for which the IECEx community is grateful~~.~~ The Chair noted that no other nominations were received other than support for the re-appointment of both Officers.**

**The Chair then called on the meeting to approve the re-appointment of both Dr Munro and Ms Holdredge in their respective roles for a further 3 year term, with the Chair commenting on the tremendous work they have done and noted the support from various members. The meeting agreeing to record the following decision.**

**Decision 2021/13**

In the absence of other nominees, members approved the incumbent officers

* Dr Jim Munro, ExAG Convener
* Ms Katy Holdredge, ExAG Deputy Convener

to continue in these positions for a second term of three years commencing on 1st January 2022.

7.3 Other Matters related to IECEx Peer Assessment Program

This is an opportunity for Members to raise any other matters

**The Chair invited the meeting to raise any additional items related to the IECEx Peer assessment Program. None were raised.**

8 IECEx CERTIFIED EQUIPMENT SCHEME, IECEx 02

**8.1\* Listing of Current IECEx 02 Scheme ExCBs and ExTLs**

 **Document noted:**

* **OD 001 –** 02Scheme Membership ExCBs, ExTLs and applicants

 <https://www.iecex.com/members-area/od001/>

**The Chair noted the meeting’s agreement to the consent agenda and referred to Decision 2021/02.**

**8.2 ExTAG MATTERS**

**8.2.1 Report from 2021 ExTAG Meeting**

**The Chair invited Dr Frank Lienesch as ExTAG Chair to report on their meeting held remotely the previous 2 days. Dr Lienesch presented his report detailed in document** [**ExTAG(2021Remote/Chair)05**](https://www.iecex.com/dmsdocument/3789)**, noting in particular the following**

* **Support and appreciation for the special provisions of OD 060 Business Continuity**
* **Leakage Current Ratings**
* **Subject of Increasing Ambient Temperatures, by** **Mr. Justin Gavranich**
* **A reminder of the requirements governing subcontracting of tests, by the IECEx Executive Secretary, Mr Chris Agius**

**Dr Lienesch then gave a summary report of the various ExTAG Working Groups noting the following**

* **Noting the change in Convenership of ExTAG WG1 from Mr. Paul Kelly to Mr. Scott Kiddle, noting the long standing work done by Mr. Paul Kelly and the support of UL.**
* **Work on the revision of OD 010 by ExTAG WG1**
* **Finalising the work of Revision OD 012, Measurement Uncertainty**
* **WG 06 responsible for the OD 024 Testing at Other Locations planning to meet early in 2022, but noted the report from the Convener Chris Agius of the on-line register now operating**
* **WG 14 on Certification of Assemblies and the coordination of technical discussions with TC 31 experts, via TC 31 AG55.**
* **AdHoc WG on Modular concepts was agreed to remain as a reference group at this time.**

**Dr Lienesch, then reported of the ExTAG work on ExTAG Decision Sheets, noting the excellent presentation by the Deputy ExTAG Chair Jasmin Omerovic on the background and use of ExTAG Decision Sheets.**

**Dr Lienesch, informed of the maintenance of previously issued Decision Sheets and then informed the meeting of the following new areas to be addressed.**

* **Field modular approach for Ex-equipment (Mike Slowinske): ExTAG agreed to proceed the draft DS for publication incorporating a small change.**
* **IEC 60079-6 High voltage testing (Jim Munro): The meeting indicated in-principle-support for the approach provided in the existing draft but also noted the need to take account of any feedback from the IECEx OD 035 process.**
* **Information relevant of particular protection Ex 60079-46 into the quality management system (Thierry Houeix): Members considered the draft Decision Sheet and agreed that it proceeds through the IECEx OD 035 process with ExTAG WG14 given the opportunity to comment**

**Dr Lienesch, also informed of initial discussion on the topic of electronic files and drawings noting the ExTAG agreement that further discussion on this topic is needed. There was also discussion on the value to reference the requirements of ISO/IEC 17021-1 regarding competence and management of auditing quality management systems and that this should be discussed within the ExMC WG1 and WG5.**

**In conclusion Dr Lienesch expressed his thanks to the ExTAG Officers and members for their tremendous support and noting in particular the work of Ms Christine Kane of the Secretariat over so many years and also recently of Ms Maria Brodel of PTB staff.**

**The Chair thanked Dr Lienesch for his comprehensive report and also the members of ExTAG for their extremely important work and invited the meeting to raise any questions for Dr Lienesch. With no questions raised, the meeting endorsed the report from ExTAG and agreed to record the following decision.**

**Decision 2021/14**

The meeting accepted a report from Dr Frank Lienesch, ExTAG Chairman [ExTAG(2021Remote/Chair)05] on the 2021 ExTAG (Ex Testing and Assessment Group) Meeting.

**8.2.2 Proposed revision of IECEx OD 012**

.  **Document considered:**

* ExMC/1735/DV – Draft Rev of IECEx OD 012

**The Chair noted the advice from the ExTAG Chair that this draft be approved by ExMC for publication, noting that while there may be some additional adjustments required, it is proposed that be dealt with as part of the next update in order to introduce new changes that are required now.**

**The Chair then called on the meeting to agree with the draft proceeding to publication with the meeting recording the following decision.**

**Decision 2021/15**

The meeting noted ExTAG’s endorsement of the draft revision of IECEx OD 012 as circulated to ExTAG and to ExMC members as ExMC/1735/DV and agreed to publish the revision of IECEx OD 012. The meeting also agreed that further changes can be proposed for a subsequent revision of IECEx OD 012.

**In favour:** AU, BR, CA, CH, CN, CZ, DE, DK, ES, FI, FR, GB, HR, HU, IL, IN, IR, IT, JP, KR, MY, NL, NO, PL, RO, RU, SA, SE, SI, TR, USA, ZA

**Objections:** Nil

**Absent:** GR, NZ, SG, UAE

**Abstaining:** Nil

**8.2.3 Any other ExTAG Matters**

 Members were invited to raise any other matters relating to ExTAG.

**The Chair invited the meeting to raise any other ExTAG Matters. Mr Gavranich of AU further elaborated on the report from the ExTAG Chair regarding the new AdHoc WG of ExTAG on increasing temperatures noting the impacts of climate change. Heinvited all ExMC Member Bodies to nominate experts to participate in their work. The meeting agreed to record the following decision in order to indicate its support for this work and a formal invitation for Member Bodies to submit details of their experts.**

**Decision 2021/16**

The meeting fully supported the formation of an ExTAG ad hoc group under the leadership of Mr Gavranich on the subject of increased ambient temperatures (ExTAG/652/INF) and invited additional members to contact Mr Gavranich via the Secretariat.

**8.3 Report from Working Group ExMC WG1 – IECEx Rules**

 Documents discussed/considered:

* ExMC/1710/RM – Report on 2020 ExMC WG1 Meeting
* ExMC/1697/DV – Draft Revision of IECEx 02
* ExMC/1712/DV – Draft Revision of IECEx OD 009
* ExMC/1755/CD – US Comments
* ExMC/1763/CD – AU Comments

**The Chair invited Mr Cole as WG1 Convener to present his report. Mr Cole provided the background to the current revisions of the IECEx 02 Certified Equipment Scheme Rules, which are now presented for ExMC approval, noting that the work of WG1 had been done largely via correspondence and their remote meeting.**

**The meeting noted comments submitted by AU and US which largely focus on the revision of IECEx 02.**

**The meeting undertook a brief discussion on the revision of IECEx 02, with the US indicating its support for the revision but identified five items that still should be addressed, as detailed in ExMC/1755/CD.**

**AU also indicated their support for the revision but also felt some additional work maybe required as it appears that there may be some requirements contained within the definitions and that these should be moved elsewhere in the document.**

**Mr Cole noted the previous circulation of the draft among WG1, however in considering a way forward, with GB questioning whether this should proceed now or spend a little time to improve the document. The Secretary informed the meeting of the view from the IECEx Executive meeting earlier this week, that there may be value in investing a little time now to improve the document ahead of publishing.**

**AU indicated their preference to invest time in improving the document prior to publishing given the importance of the IECEx 02 document. The Secretary outlined the CAB’s role in the endorsement of Rules of Procedures once finalised within the CA Systems.**

**In conclusion the meeting agreed to return ExMC/1697/DV to WG1 for a brief time to integrate the comments of AU and US and then seek ExMC approval via the IECEx electronic Ballot system.**

**Separately GB raised the issue of templates for use when preparing IECEx documents. Mr. Mark Amos of the IECEx Secretariat informing the meeting of the use of the IEC template and the input of IEC editors when finalising documents for publishing.**

**Mr Cole and Mr Amos gave an update of the changes/improvements to the IEC On-Line Certificate System, in light of feedback from members, noting that a number of improvements have been made.**

**DK noted that the current edition of the IECEx 02 makes reference to the ExTAG Secretary and may need review to ensure this updated to show the position of Deputy Chair.**

**In conclusion the Chair thanked Mr Cole for his report with the meeting agreeing to record the following decisions**

**Decision 2021/17**

The meeting accepted a report from Mr Marty Cole, ExMC WG1 Convener contained in Document ExMC/1710/RM.

**Decision 2021/18**

The meeting considered the update of the revision of IECEx 02 as proposed and circulated as ExMC/1697/DV and also the US NC (ExMC/1755/CD) and AU NC (ExMC/1763/CD) comments. The meeting then agreed to refer these comments to ExMC WG1 for consideration in preparing an updated draft for ExMC approval via correspondence. Members are invited to submit additional comments by no later than end of September 2021.

**Decision 2021/19**

The meeting approved the update of the revision of IECEx OD 009 as proposed and circulated as ExMC/1712/DV.

**In favour:** AU, BR, CA, CH, CN, CZ, DE, DK, ES, FI, FR, GB, HR, HU, IL, IN, IR, IT, JP, KR, MY, NL, NO, PL, RO, RU, SA, SE, SI, TR, USA, ZA

**Objections:** Nil

**Absent:** GR, NZ, SG, UAE

**Abstaining:** Nil

#### **8.4 ExMC WG2 - Development of Technical Capability Documents**

**The Chair called on the WG2 Convener, Ms Holdredge to provide the meeting with an update of activities of WG2. Ms Holdredge thanked the members of WG2 for their work and support and then informed the meeting that WG2 did hold a meeting during 9 February 2021 with an update of the IEC Technical Capability Document, TCD Edition 8 which was finalised and published in June 2021.**

**The main changes included in this revision relate to:**

* **Addition to references of ExTAG Decision Sheets to assist Assessors**
* **Updated editions of Standards IEC 60079-6. -7, -18, -29-1**
* **Added TS 60079-47 and IEC 62990-1**

**There are no current plans for the WG2 to meet but remain on standby as the need arises due to new standards or new editions being introduced.**

**Ms Holdredge concluded by thanking WG2 members and inviting any requests for additional work on the TCD that maybe required.**

**The Chair thanked Ms Holdredge and WG2 members for their work in maintaining the TCD up to date.**

**The Chair invited comments or questions from the members, with AU raising an editorial matter in the title of the WG2 for this agenda item, with the meeting agreeing to record the following decision.**

**Decision 2021/20**

The meeting accepted a verbal report on the work of ExMC WG2 from the Convener, Ms Katy Holdredge.

**8.5 Report from Working Group ExMC WG5 – Quality System Requirements**

**The Chair called on the WG5 Convener, Mr Teather to present a report. Mr Teather provided a verbal report advising that WG5 did not held a meeting in 202. He noted however the significant work done by WG5 in the updating of the IECEx COVID-19 Business Continuity Measures of OD 060 that enables the IECEx 02 Certified Equipment scheme to continue and the required factory audits and issuing of QARs.**

**Mr Teather, noted that while there maybe some opening up of travel restrictions given the uncertainty of COVID-19 variants, that use of remote audits via OD 060 may well remain in place for some time, but noted the value of the survey conducted by IECEx in use of OD 060 remote assessments and audits.**

**The Chair thanked Mr Teather and WG and invited comments. DK raising the issue of the European ExNB published document on guidelines for auditing similar to our own requirements in IECEx OD 025 and proposed that IECEx ExMC WG5 conduct a revision of IECEx OD 025 noting the work within ATEX, with Mr Teather agreeing to receive a proposal from DK.**

**With no further remarks the meeting agreed to record the following decision**

**Decision 2021/21**

The meeting accepted a verbal report from the Convener, Mr Roy Teather on the work of ExMC WG5 since the 2020 ExMC meeting. Mr Teather invited feedback and ideas for ExMC WG5 consideration in improving audits of manufacturer.

**8.6 IECEx application to the Hydrogen economy**

 **Documents Considered:**

* ExMC/1744/CD – Proposed covering of the Hydrogen Economy and use of ISO Standards
* ExMC/1756/CD – US Comments

**The Chair invited Dr Thorsten Arnhold (DE) to present the proposal contained in ExMC/1744/CD, with Dr Arnhold presenting a power point presentation, copy available from the 2021 IECEx meeting website.**

**Dr Arnhold informed the meeting of the background behind this suggestion as he is becoming more involved in the area of use of Hydrogen including his recent appointment to the ISO TC 197 “Hydrogen Technologies” committee as a DE expert.**

**Dr Arnhold informed the meeting of the increasing uses of Hydrogen beyond just a fuel source for energy as well as sources for the production of hydrogen.**

**He also noted the focus by governments as a response to address environmental concerns, especially the sourcing of hydrogen via electrolysis.**

**Dr Arnhold also noted that while the use of hydrogen does present explosion hazards, both IEC TC 31 standards and IECEx certification schemes have long covered equipment and services associated to areas where hydrogen is present, so it makes sense for IECEx to be used for demonstrating compliance with standards that cover use of equipment and services dedicated to the use of hydrogen. Dr Arnhold gave examples of past explosion incidents where hydrogen was involved highlighting the value of our safety standards and also the improvements over time, but also the importance of being able to demonstrate compliance with important safety standards.**

**Dr Arnhold gave examples of modern-day use of hydrogen and involvement of the public and the role that Hydrogen is likely to play in renewable energy sector.**

**He then identified some of the International Standards of the ISO TC 197 Committee noting that these standards (such as ISO 22373 “*Hydrogen generators using electrolysis*-…”), while dedicated to the Hydrogen Technology, these standards make reference to the IEC TC 31 standards for aspects of explosion protection including area classification. Dr Arnhold suggests that this provides a good platform for use of the IECEx framework to cover these standards as well noting some recent discussion on the topic and need for an international certification in this area.**

**Dr Arnhold also noted the work of IEC TC 105 on Fuel Cell Technology as additional use of hydrogen and the value of conformity assessment in ensuring safety.**

**In conclusion, Dr Arnhold highlighted the move by governments towards regulation in this field, noting activities in Korea. Dr Arnhold also called for consideration of use of IECEx in areas such as services and competence of persons in these areas.**

**The Chair thanked Dr Arnhold for his comprehensive presentation and proposal and referred the meeting back to the proposal ExMC/1744/CD but called on the US to present their comments in ExMC/1756/CD with Ms Holdredge (US) advising that the US supports the proposal but should be adjusted to have the initial work of the new WG reviewed by ExMC and CAB. The Chair felt that at this early stage, the Executive perhaps should be involved prior to presenting anything to the ExMC. For CAB, the Chaior advised that CAB have been made aware of this initiative and that prior to going to CAB we should only do so when we have something more concrete to take to CAB.**

**The Secretary, confirmed that the CAB have been advised that IECEx are exploring this area and this approach, as proposed, is very similar to the approach taken when introducing the non-electrical areas into IECEx.**

**The Secretary, also noted that Hydrogen is not a new area for IECEx and hence in itself does not constitute a scope extension as did the non-electrical areas of the past. The Secretary, also noted that a business case study would need to be undertaken and that to assist us we have an excellent CAB Document that contains a template that we would use.**

**Mr Duffy (US) suggested that the proposal should be adjusted to require consideration of the WG business analysis by the IECEx Executive and subsequent approval by ExMC, rather than just consideration by the Chair.**

**The Chair and members supported the suggestion from Mr Duffy with Members using the chat feature to indicate their support for the formation of the new WG and the meeting agreed to record the following decision.**

**Decision 2021/26**

The meeting accepted a report from Dr Arnhold on the document circulated as ExMC/1744/CD, noted the US comments (ExMC/1756/CD) and supported Dr Arnhold’s proposal (with adjustment to the proposal that results of the analysis be considered by the IECEx Executive and subsequent approval by the ExMC) for the establishment of a Working Group (under the leadership of Dr Arnhold) tasked to develop a business case for IECEx Conformity Assessment service offers in the hydrogen economy. Members interested in assisting Dr Arnhold to submit their name to the Secretariat before the end of September 2021.

**8.7 Other matters relating to the IECEx Certified Equipment Scheme**

**No other matters were raised.**

1. IECEx CONFORMITY MARK LICENSE SCHEME, IECEx 04
	1. Current List of IECEx Mark Licenses issuing ExCBs

 **Document noted:**

* List of accepted Conformity Mark License issuing ExCBs <https://www.iecex.com/information/excbs/conformity-mark/>

**The meeting noted the current list of IECEx ExCB Mark License issuing bodies.**

**Decision 2021/22**

The meeting noted and accepted the list of currently accepted IECEx Conformity Mark Licence issuing ExCBs @ <https://www.iecex.com/information/excbs/conformity-mark/>

* 1. Report from the IECEx Marks Committee Chair, Mr Timothy Duffy

**Mr Duffy as ExMarkCo Chair presented the report from the IECEx Marks Committee via a power point presentation, available from the IECEx 2021 meeting website, detailing the following items:**

* **List of ExCB Mark License issuing Bodies**
* **Current list of IECEx Mark Licenses**
* **Progress with the new approach for the IECEx Mark Licensing Scheme**
* **Status of the worldwide registration of the IECEx TradeMark**
* **List of Revised IECEx Publications to reflect the new approach of the IECEx Conformity Mark Scheme**
* **Transition arrangements from the previous IECEx dual logo to the single IECEx logo**
* **Notifications of Misuse**

**The Chair thanked Mr Duffy for his report and noted a remark in the chat box calling for an update ExMarkCo/001R/Inf from 2020 edition.**

**DE sought clarification if in using the IECEx single box logo on brochures and material, as to whether a license fee is imposed. with Mr Duffy clarifying that there are no License fees from the IECEx and that use of the trademark on products constitutes a conformity mark requiring a licence, however no license is required when the logo is used according to IECEx 02B.**

**In thanking Mr Duffy for his report the meeting agreed to record the following decision.**

**Decision 2021/23**

The meeting accepted the ExMarkCo report from the ExMarkCo Chair, Mr Duffy.

* 1. Appointment of ExMarkCo Chair

**The Chair noted that Mr Duffy (US) will complete his current term as ExMarkCo Chair at end of 2021. The Chair noted with thanks the work of Mr Duffy in leading the IECEx on issues of the IECEx Conformity Mark and TradeMark matters and noting that no other nomination has been received other than support for his re-appointment.**

**The Chair then called on the meeting to approve the re-appointment of Mr Duffy and noted the support from various members with the meeting agreeing to record the following decision.**

**Decision 2021/24**

In the absence of other nominees, members approved the incumbent ExMarkCo Chair, Mr Timothy Duffy to continue in this position for a further term of three years commencing on 1st January 2022. The meeting extended thanks to Mr Duffy for his work in the recent developments in the Mark Scheme.

* 1. Current ExMarkCo Membership vacancies

While covered by Agenda item 9.2, the meeting agreed to record the following decision

**Decision 2021/25**

The Meeting noted the vacancies (according to ExMarkCo/010R/Inf) in ExMarkCo membership as follows:

|  |  |  |
| --- | --- | --- |
| **# of Members** | **Group represented** | **# of Vacancies** |
| 3 | Regulatory interests | 3 |
| 1 | Service Facilities | 1 |
| 1 | Training Providers | 1 |

* 1. **Notifications of misuse of the IECEx Conformity Mark.**

Covered by Agenda item 9.2, with the meeting given the opportunity to raise any items of misuse that need to be brought to the attention of CAB. None were raised.

* 1. Other Matters relating to the IECEx Conformity Mark System

Members are invited to raise any other matters relating to the IECEx Conformity Mark System.

No additional issues raised.

10 CERTIFIED SERVICE FACILITIES SCHEME – IECEx 03 series

**10.1\* Listing of ExCBs – According to IECEx 03 series, Certified Service Facility Scheme**

 **Document noted:**

* **OD 001** – Scheme Membership, ExCBs, ExTLs and applicants <https://www.iecex.com/information/excbs/service-facilities/>

**The Chair noted the meeting’s agreement to the consent agenda and referred to Decision 2021/02.**

**10.2 Report from the ExSFC Chairman**

**Document noted or approved:**

* **ExMC/1713/RM** – Report on the 2021 IECEx ExSFC meeting
* **ExMC/1714/DV** – IECEx 03-4 Edition 3.0
* **ExMC/1715/DV** – IECEx OD 314-5, Edition 2.0
* **ExMC/1716/DV** – IECEx OD 315-5, Edition 2.0
* **ExMC/1717/DV** – IECEx OD 316-4, Edition 3.0
* **ExMC/1719/DV** – IECEx 03-5 FAR, Edition 2.0
* **ExMC/1720/DV** – TCD for IEC 60079-19:2019, Edition 4.0
* **ExMC/1725/DV** – IECEx OD 314-4, Edition 3.0
* **ExMC/1760/CD** – US Comments

**Mr Sinclair, gave his report to the ExMC, but commenced by expressing appreciation to Mr Mark Amos of the Secretariat for his immense support and contribution in assisting the ExSFC.**

**Mr Sinclair, requested ExMC support for the transition period of 3 years being applied to the new edition of IEC 60079-19, in that current IECEx Certified Service Facilities certified to IEC 60079-19 Edition 3 be given no later than 31st October 2022 to upgrade to Edition 4. He continued that new Certifications for IEC 60079-19 require use of Edition 4 by 31 December 2021.**

**With this proposal the Chair called for any comments or opposition to this proposal. US indicated support but questioned how this will be communicated. Mr Sinclair advised that all ExCBs involved in the IECEx 03 scheme are aware, but did request that the IECEx Secretariat inform each of the ExCBs separately. The Secretary also suggested that a separate Decision be recorded today on this transition point.**

**Mr Sinclair, advised of ExSFC concerns regarding peer assessments of the IECEx 03 assessments and agreed to reach out to ExAG for possible training or awareness among assessors.**

**Mr Sinclair presented the remainder of his report, ExMC/1713/RM, regarding the request of ExSFC to have ExMC approve the publication of the revised IECEx 03 scheme documents and gave a summary of each, highlighting the inclusion of ISO/IEC 17021-1 for the assessment and auditing of quality management systems. Although covered previously via IECEx ODs, OD 025 and OD 026, alignment with international reference of ISO/IEC 17021-1 is sought, which also assists in alignment with the EU Commission.**

**Various members indicated their support for this inclusion using the chat feature of the remote meeting platform.**

**Mr Sinclair then informed that based on the comments from the US, ExMC/1760/CD, relating to ExMC/1715/DV that both ExMC/1715/DV and ExMC/1725/DV be withdrawn from voting at this meeting and referred back to the ExSFC along with the US Comments for the ExSFC to consider the implications of the proposed changes.**

**Mr Sinclair then gave a brief introduction of the proposed changes (which are largely editorial) included in each of the remaining documents listed on the agenda seeking ExMC approval. The Chair thanked Mr Sinclair and called for any comments to the proposals.**

**GB questioned whether the withdrawn documents of ExMC/1715/DV and ExMC/1725/DV will be worked on and then submitted for ExMC voting via correspondence. Mr Sinclair indicated that this is the process that the Ex SFC is planning to take but other documents are being requested to be approved now.**

**AU raised the topic of timeline for moving to edition 4 of IEC 60079-19, and that the IECEx On-Line certificate system currently does not identify the edition of 60079-19. The IECEx Secretariat advising that upgrades to the IECEx On-Line certificate system are underway to add this feature to the IECEx 03 services scheme, noting that this already exists in the IECEx 02 scheme.**

**With no further discussion, the meeting agreed to record the following decisions**

**Decision 2021/27**

The meeting accepted a report from Mr Ron Sinclair, ExSFC Chairman on the 2021 ExSFC meeting as circulated as ExMC/1713/RM and endorsed the ExSFC proposed policy (as extracted from ExMC/1713/RM below) of transitioning to IEC 60079-19 Edition 4.0.

Transition Policy

1. All existing service facilities that are currently certified to IEC 60079-19 Edition 3.0 shall be recertified to IEC 60079-19 Edition 4.0 by no later than 31st October 2022.
2. All new (Issue 0) certificates issued to new clients after 31st December 2021 shall be according to the requirements of IEC 60079-19 Edition 4.0.

**Decision 2021/28**

The Secretariat to advise all IECEx 03-5 ExCBs of the policy endorsement in Decision 2021/27 and that they need to apply for scope updates to enable use of the IECEx OCS accordingly.

**Decision 2021/29**

The meeting approved the update of IECEx Rules and Operational Documents as proposed and circulated as ExMC/1714/DV, ExMC/1716/DV, ExMC/1717/DV, ExMC/1719/DV and ExMC/1720/DV.

**In favour:** AU, BR, CA, CH, CN, CZ, DE, DK, ES, FI, FR, GB, HR, HU, IL, IN, IR, IT, JP, KR, MY, NL, NO, PL, RO, RU, SA, SE, SI, TR, USA, ZA

**Objections:** Nil

**Absent:** GR, NZ, SG, UAE

**Abstaining:** Nil

**Decision 2021/30**

The meeting considered the US comments (ExMC/1760/CD) on the proposed revision of IECEx OD 314-5 as circulated as ExMC/1715/DV and referred ExMC/1760/DV and the associated draft revision of IECEx OD 314-4 (as ExMC/1725/DV) back to the ExSFC for further consideration.

* 1. **ExSFC Officers**

**The Chair noted that Mr Sinclair will complete his second term at the end of 2021 with the Chair noting the nominations from the ExSFC committee as**

* **Mr Peter Thurnherr (thuba) for ExSFC Chairman**
* **Ms Erin La Rocco (UL LLC) for ExSFC Deputy Chair**

**The chair noted the US nomination for Ms La Rocco, ExMC/1757/CD and noted the support indicated from the members.**

**The Chair also noted with thanks the tremendous amount of work by Mr Sinclair for his leadership of the ExSFC.**

**With no further comments the meeting agreed to record the following decisions**

**Decision 2021/31**

On recommendation from the ExSFC members and supported by the US comments (ExMC/1757/CD), ExMC members approved the new ExSFC officers

* Mr Peter Thurnherr, ExSFC Chair
* Ms Erin La Rocco, ExSFC Deputy Chair

to commence in these positions for a first term of three years on 1st January 2022.

**Decision 2021/32**

Members recorded their thanks to the outgoing ExSFC Chairman, Mr Ron Sinclair MBE for his efforts and guidance over the last six years as the foundation Chairman of the ExSFC.

11 IECEx CERTIFICATE OF PERSONNEL COMPETENCE SCHEME, IECEx 05

**11.1 Report from the ExPCC Chairman**

**Document noted/approved**

* **ExMC/1704/RM** – Report on the 2021 IECEx ExPCC meeting
* **ExMC/1705/DV** – IECEx 0D 502, Edition 3.2
* **ExMC/1706/DV** – IECEx OD 503, Edition 4.2
* **ExMC/1707/DV** – IECEx OD 504, Edition 4.0
* **ExMC/1708/DV** – IECEx OD 508, Edition 1.0
* **ExMC/1733/DV** – IECEx OD 521, Edition 4.1

Mr Thurnherr, noted that this is his last report as he completes his second term as ExPCC Chair and appreciated this role. He noted the significant achievements of the ExPCC and the IECEx 05 CoPC Scheme, which now sees so many IECEx CoPC certificates issued. He mentioned that while we see the success in growth there is still need for marketing.

Mr Thurnherr, also noted the 33 IECEx Recognised Training Providers as further success.

Mr Thurnherr then gave background to the current developments of the IECEx question bank and the status of work regarding the review of questions, along with the exploring for a software solution that is being assigned to the IECEx Chair and IECEx Secretary.

Mr Thurnherr thanked Mr Mark Amos of the Secretariat for his tremendous support to the ExPCC.

Mr Thurnherr then called on Mr. Mark Amos of the IECEx Secretariat to provide an update on the matter of the IECEx Question Bank with Mr Amos presenting a power point presentation (copy available from the IECEx 2021 meeting website) advising that this work is split into 2 areas:

1. A quality review of the list of questions; and
2. Selection of software to facilitate the creation of list of questions for the assessment examinations.

For item 1, the Secretariat is in the process of engaging a consultant to have this task undertaken with a target of end 2021.

For item 2, a pilot trial with YouTestMe as the selected software is being undertaken with the ExCBs following this meeting. Mr Amos then gave an overview of the chosen software and the features and functions.

Mr Thurnherr concluded his report wishing the incoming Chair all the success and offering of assistance into the future.

The Chair thanked Mr Thurnherr and invited comments from the members in terms of seeking the meeting’s approval of the draft documents as listed in the agenda.

In noting the support for the documents proceeding to publication, the meeting recorded the following decisions.

**Decision 2021/33**

The meeting accepted a report from Mr Peter Thurnherr, ExPCC Chairman on the 2021 ExPCC meeting as circulated as ExMC/1704/RM and via

**Decision 2021/34**

approved the update of IECEx Operational Documents as proposed and circulated as ExMC/1705/DV, ExMC/1706/DV, ExMC/1707/DV, ExMC/1708/DV and ExMC/1733/DV.

**In favour:** AU, BR, CA, CH, CN, CZ, DE, DK, ES, FI, FR, GB, HR, HU, IL, IN, IR, IT, JP, KR, MY, NL, NO, PL, RO, RU, SA, SE, SI, TR, USA, ZA

**Objections:** Nil

**Absent:** GR, NZ, SG, UAE

**Abstaining:** Nil

**Decision 2021/35**

Members recorded their thanks to the outgoing ExPCC Chairman, Mr Peter Thurnherr for his efforts and guidance over the last six years as Chairman of the ExPCC.

11.2 ExPCC Officers

**The Chair noted that Mr Thurnherr, as advised earlier,**

**] will complete his second term at the end of 2021 with the Chair noting the nominations from the ExPCC committee as**

* **Mr John Allen (Sheppard Engineering) for ExPCC Chair**
* **Mr Thierry Houeix (INERIS) for ExPCC Deputy Chair**

**The chair noted the support indicated from the members, with the meeting agreeing to appoint Mr Allen and Mr Houeix as Chair and Deputy Chair respectively.**

**The Chair also noted with thanks the tremendous amount of work by Mr Thurnherr for his leadership of the ExPCC.**

**With no further comments the meeting agreed to record the following decisions**

**Decision 2021/36**

On recommendation from the ExPCC, ExMC members approved the new ExPCC officers

* Mr John Allen, ExPCC Chair
* Mr Thierry Houeix, ExPCC Deputy Chair

to commence in these positions for a first term of three years on 1st January 2022.

**11.3 IECEx Record of Training Concept Proposal**

**Documents Considered:**

* **ExMC/1734/DV** – Proposal to establish an IECEx Record of Training Register
* **ExMC/1758/CD** – US Comments

**The Chair invited Mr Mark Amos, on behalf Paul van der Sneppen, with Mr Amos providing the background to the IECEx Recognised Training Provider (RTP) program.**

**Mr Amos then presented the proposal ExMC/1734/DV and also noted the comments of the US in ExMC/1758/CD, with the proposal being intended to provide a visible pathway of a person that has undertaken training and is on their way to achieving an IECEx CoPC Certificate.**

**Mr Amos further informed that the proposal is at an initial stage and further work is required by the ExPCC and its dedicated Working Group and is presented for an approval in principle for the ExPCC to proceed with their work.**

**Mr Amos then responded to each of the US comments contained in ExMC/1758/CD, noting that considerable work is still required by the ExPCC and agreed with the US remark that any changes will require an update of OD 521 for which the Secretariat will initiate the update of OD 521.**

**The Chair thanked Mr Amos and informed the meeting that this was considered by the IECEx Executive who have indicated their support for work to continue in developing this further and invited comments from the meeting.**

**AU, raised the concern that this register could be perceived as an alternative to someone proceeding to achieve an IECEx CoPC certificate and asked that ExPCC take this issue into account.**

**GB indicated their support of the principle and that the recording on the register is purely voluntary, with Mr Amos advising that it is intended that any trainee would need to give permission, due to privacy concerns, and hence advised yes this would be optional.**

**In the absence of any further comments the meeting agreed to record the following decision.**

**Decision 2021/37**

The meeting considered the US comments (ExMC/1758/CD), feedback from the meeting and the IECEx Executive and then endorsed continuation of work on the concept of an IECEx Record of Training as explained in ExMC/1734/DV and particularly noting a need for sufficient safeguards for the IECEx CoPC Scheme. A final proposal for ExMC approval shall be submitted by the ExPCC.

**Inclosing this agenda item, the Chair suggested that the ExMC WG17 on Marketing could look at a focus on marketing of the IECEx CoPC Scheme**

**11.4 Any other matters relating to the IECEx CoPC Scheme**

**No additional matters were raised.**

12 IECEx SYSTEM – GENERAL MATTERS

12.1 IEC / ILAC / IAF Cooperation

 **Document noted:**

* [**ExMC/1606/Inf**](https://www.iecex.com/dmsdocument/3359) **–** IEC Admin Circular AC 23/2020

**The Secretary gave a recap over the cooperation between IEC and ILAC / IAF in terms of use of national accreditation as part of the evidence gathering exercise when assessing ExTLs and ExCBs for compliance with IECEx requirements which includes compliance with the ISO/IEC 17000 series of Standards.**

**He then reminded the meeting of document ExMC/1606/Inf advising that this had been issued for information and hence no action on this document is required by ExMC at this stage. He continued that as this IEC Administrative Circular is aimed at providing clarity concerning whether or not resolutions of the IAF apply to the IECEx scheme.**

**With this explanation the meeting agreed to record the following decision.**

**Decision 2021/38**

The Meeting noted a report from the IECEx Secretariat regarding IEC/ILAC/IAF Cooperation and explaining the document circulated as ExMC/1606/Inf.

12.2 OIML / IECEx Cooperation

**The Secretary informed the meeting that in noting the impact of the COVID-19 situation, no additional progress has been made regarding cooperation with OIML. This item enables the opportunity to provide any updates and any comments from Members, concerning the cooperation with OIML noting their OIML-CS Schemes. The Chair invited any comments regarding the cooperation with OIML.**

**AU raised the question of whether or not the joint working group with OIML should be appearing on the IECEx Website with the Secretariat agreeing to review this following the meeting.**

**With no further matters raised this item was closed.**

No decision recorded.

12.3 Any other General Matters

**The Chair gave the meeting the opportunity to raise any other general matters that they may wish to raise. None were raised.**

No decision recorded.

13 WORKING GROUP REPORTS – *NOT COVERED ELSEWHERE*

#### **13.1**  **ExMC WG8 Regulatory Recognition**

**Document for noting:**

**ExMC/1731/RM** – Report on the 2021 ExMC WG8 meeting

**Dr Frank Lienesch, ExMC WG8 Convener presented the WG8 report of the activities of WG8. He advised on the progress of work of the United Nations, UNECE Working Party WP6 which has expressed their appreciation to IECEx for the successful work with IECEx noting the success of the United Nations publication for a common regulatory framework in the field of Ex.**

**Dr Lienesch informed of the update of the IECEx website and the work on the second edition of the Common Regulatory Arrangements noting translation of these by Brazil. He informed the meeting of the great success of the past promotion efforts by the joint IECEx and UNECE Conferences as supported by the various National Committees and that the community is looking forward to being able to reactivate these.**

**The Chair thanked Dr Lienesch for his report and invited any comments or questions. With none received the meeting agreed to record the following decision**

**Decision 2021/39**

The Meeting accepted a report from ExMC WG8 Convener, Dr Lienesch on the work of ExMC WG8 as circulated as ExMC/1731/RM.

13.2 Report from Convener of ExMC WG17, Marketing

**Document noted:**

**ExMC/1711/RM** – Report on the 2021 ExMC WG17 meeting

**In introducing this item, the Chair advised that we are trying to put a great deal of effort in this WG17 and would encourage Member Bodies to nominate experts to join and assist with the work.**

**The Chair invited Dr Arnhold to present his report with Dr Arnhold commencing by reminding the importance of marketing of the various services and that a focus on marketing and promotion to the end users, and regulators who can be users of the IECEx services. He then introduced the promotion work of CAB WG14 on the business canvas.**

**Dr Arnhold then informed of the situation regarding how effective the ExCBs could be by including some information and link to the IECEx on their websites.**

**Dr Arnhold then spoke of the new IECEx Animated video produced in Sydney and how this has been a huge success. He advised on the additional work to produce versions of the video with subtitles in various languages as well as offering personalised versions for the ExCBs. He also mentioned the plan to create additional videos for the IECEx service facility scheme and the CoPC scheme as well.**

**Dr Arnhold then informed of the promotional work at the CAB WG14 level and noting the development of the “Elevator” pitch for the various CA Systems, noting the elevator pitches have been completed for the IECEx schemes and available on the website.**

**Dr Arnhold then informed of the annex to the report which outlines the Marketing activities determined by the WG17, with special mention of the success of recent webinars which saw some 400 attendees and our plan to offer additional webinars and working with the IEC Academy. He then called on the Chairs and Deputy Chairs of the respective IECEx schemes to participate in future webinars.**

**Dr Arnhold then mentioned the issue of social media and advised that while these could be useful we need to be careful as they can be somewhat wild and uncontrolled, hence requires some efforts to ensure accurate information is conveyed. This issue will be discussed further among the WG17.**

**The Chair thanked Dr Arnhold for his report and invited comments or questions. Mr. Mark Amos of the Secretariat reminded the meeting of the previous request from ExPCC for some assistance in promotion advising that prior to formation of WG17, this was assigned to WG13 Business development but suggested that WG17 is a better home for this work. Dr Arnhold respond by suggesting that as WG13 has not met for some 2-3 years that they should meet first and then consider matters.**

**Decision 2021/40**

The Meeting accepted a report from ExMC WG17 Convener, Dr Arnhold on the work of ExMC WG17 as circulated as ExMC/1711/RM and verbally updated following another meeting on 16th August 2021. In introducing the report the Chairman noted the low membership of this WG and invited members to nominate additional members to assist with this important work.

13.3 Report from Convener of ExMC WG18, Technical Revision of OD 233

**The Chair invited Dr Munro to present his report. Dr Munro presented his report via power point slides (copy available on the IECEx 2021 meeting website)**

**Dr Munro informed the meeting of the following statistics relating to Special Protection Ex s under the IECEx Certified Equipment scheme**

* **21 ExCBs have IEC 60079-33 in their scope**
* **26 Certificates issued**
* **1 cancelled 1 suspended**
* **No Certificates found to EPL, Ma, Ga, Da**

**WG18, while not having held a meeting this year are still working on the revision of OD 233, which may also result in the need for an update to the ExTR blank as well. It is planned that TC 31 will be informed of discussions from this review with the view as input to the future revision of IEC 60079-33. One of the main items for discussion of this review is the matter of “independent verifier” and defining such.**

**Dr Munro noted that while attempts were made to deal with matters via emails, he feels the need for a meeting of the WG18 following which he expects proposals be ready for submission to the ExMC, noting that updates to the ExTR blank may also be required. He further mentioned the planned consultation with TC 31 experts regarding the IEC 60079-33.**

**The Chair thanked Dr Munro and invited comments from the members. GB asking what types of techniques are generally being used by the various certificates issued to date and, if functional safety is being used. Dr Munro advised that from his checking he does believe that functional safety is being used and that the established standards for protection techniques are being followed as close as possible. Dr Munro did suggest that perhaps the WG18 could look at this more closely.**

**In the absence of any further comments the meeting agreed to record the following decision.**

**Decision 2021/41**

The Meeting accepted a verbal report and presentation from ExMC WG18 Convener, Dr Munro on the work of ExMC WG18 in response to ExMC Decision 2020/41.

**13.4 Report from Convener of ExMC WG15, Non-Electrical Equipment**

**The Chair invited Dr Munro to present his report. Dr Munro presented his report via power point slides (copy available on the IECEx 2021 meeting website).**

**Dr Munro advised that the WG15 has not had a need for a meeting this year but provided the following information**

* **42 ExCBs have the ISO 80079-36 and -37 standards within their scope**
* **408 certificates issued to date**
* **87 certificates in draft**

**Dr Munro, noted the interest in the area of non-electrical standards.**

**He commented on the matter of ISO 80079-38 noting the previous decision within IECEx that at this stage, IECEx certificates should not be issued until the standard has been revised. He informed the meeting of the plans for collaboration between IECEx WG15 and MT 80079-38 to move forward with the revision of ISO 80079-38, noting the positive support from members of both the WG15 and MT.**

**The Chair thanked Dr Munro for his report and invited comments or questions.**

**DK asked the question whether or not the work of WG15 should be reviewed a should this be directed to ExTAG given the relationship with the Standard. Dr Munro suggested that at this stage he does not see any advantage in such a move but offered to provide a separate report at the ExTAG meeting.**

**GB commented that they prefer to keep the work within ExMC WG which readily enables experts other than ExTAG to participate.**

**US noted that the work for revising the standard is a matter for the MT but supported the cooperation between the MT and WG15.**

**With no further comments the meeting agreed to record the following decision**

**Decision 2021/42**

The Meeting accepted a report and presentation from ExMC WG15 Convener, Dr Munro, on the status of a possible revision of ISO/IEC 80079-38 and current discussions in SC 31M MT80079-38.

**14 IEC TC 31 MATTERS**

**14.1 Report from IEC TC 31 Chair**

**Document noted:**

**ExMC/1759/R** – Report from the IEC TC 31 Chair

**The IEC TC 31 Chair Dr Thedens presented the TC 31 report ExMC/1759/R outlining the activities of TC 31 over the past year, noting the travel restrictions due to the pandemic.**

**Dr Thedens informed of the planned restructuring of the Gas Detectors standards and advised of future planned meetings of TC 31 noting the May 2022 meeting of the CAG in London is planned for a face to face meeting and invited IECEx to give a report as has been usual practise.**

**Dr Thedens outlined the Standards and associated documents that have been recently issued.**

**He noted a slight correction to the title of IEC 60079-39 in the report, which should read as**

***Explosive atmospheres - Part 39: Intrinsically safe systems with electronically controlled spark duration limitation.***

**He then informed of the approach with presenting information of changes in editions to standards as covered within the foreword.**

**He also informed of progress with the revision of IEC 60079-31**

**Dr Thedens informed of new projects that maybe of interest to IECEx:**

* **IEC TS 60079-48 ED1 “Explosive atmospheres – Part 48: Portable Electronic Equipment Suitable for use in Hazardous Areas”**
* **ISO/IEC 80079-49 ED1 “Flame arresters – Performance requirements, test methods and limits for use”**
* **ISO/IEC 80079-50 ED1 “Explosion venting devices”**

**Dr Thedens concluded by noting the good and solid cooperation between IECEx and TC 31.**

**The Chair thanked Dr Thedens for his report and invited comments or questions**

**No comments raised other than noting the correction to the title of IEC 60079-39.**

**With no further comments the meeting agreed to record the following decision**

**Decision 2021/43**

The Meeting accepted, with thanks, a report (circulated as ExMC/1759/R) from the IEC TC31 Chairman, Dr Martin Thedens on IEC TC 31 activities and work since the 2020 ExMC meeting.

**14.2 Report from IEC TC 31 JWG 50 standards coordination with IECEx**

 **Document noted:**

**ExMC/1761/R** – Report from Mr Mark Coppler

**Mr Coppler presented his report, ExMC/1761/R, highlighting that the Joint WG has not met since the last ExMC meeting but did note that due to recent discussions that there is likely to be a meeting later this year.**

**Mr Coppler noted that 9 Draft ExTAG Decisions had proceded through the process for this consultation with TC 31 and had been found most effective.**

**He also outlined the AG55 Group concerning Special Conditions of use and noted the participation from IECEx experts.**

**The Chair thanked Mr Coppler for his report. He also noted that discussions within the IECEx Executive a decision had been taken to undertake a stocktake of how TC 31 Standards are used within the IECEx, noting that not all TC 31 publications are currently used within IECEx.**

**The Chair called for any comments or question, with no further comments the meeting agreed to record the following decision**

**Decision 2021/44**

The Meeting accepted, with thanks, a report (circulated as ExMC/1761/R) from the IEC TC31/IECEx JWG 50 Convener, Mr Mark Coppler*.*

**15 REGIONAL REPORTS**

**15.1 Reports**

 **Documents noted:**

* **ExMC/1764/Inf** – US Comments and Information relating to Regional reports

**GB Report**

**The Chair introduced this item and invited GB to provide an update of the situation regarding BREXIT Mr Cameron of GB advised that BREXIT is continuing noting the presentation he gave last year, still available on the IECEX 2020 Meeting website, remains valid except for a change in the timelines. He noted that at this point there is still a transition period which has been extended to the end of 2022 whereby either the UK CA Marking or the ATEX Marking would both be acceptable.**

**EU ExNB Group For ATEX**

**Mr Omerovic, ExNB Chair, presented a report, ExMC(2021Remote/ExNBG)05,**

**Mr Omerovic informed of the current officers:**

**• Vice-Chairmen: Thierry Houeix and Francesco Esposito**

**• Chair: Jasmin Omerovic**

**ExNBG has got three active Working Groups:**

**• WG 98/5 “Devices with measuring function for explosion protection”**

**• WG 04/13 “QM-questions”**

**• WG 08/14 “Consideration of state of the art”**

**He informed that the ExNB Group received a report on IECEx by Mr Sinclair**

**Mr Coppler requested an update regarding the use of IEC 60079-46 on assemblies, with Mr Omerovic advising that at present it is not used within the legal framework of the EU noting that at this point there may not be such a need within the current ATEX framework, which allows use of standards other than EU Harmonised standards and that this could be used within the framework of the Essential Health and safety requirements of the ATEX Directive.**

**Brazil**

**A report from BR ExMC(2021Remote/BR)04, was presented noting the promotion work to support IECEx. The meeting also noted the new Ordinance 179 for explosive atmospheres for which members of the BR IECEx National Committee took part, and is to be published in December 2021 but noting no significant changes to the current situation.**

**The meeting was also informed of the translations of many of the IECEx publications which has helped to promote IECEx, including the translation of subtitles of the IECEx video.**

**US**

**The meeting received a report from the US, ExMC/1764/Inf noting in particular the OSHA announced extension of the procedures and guidelines of the NRTL program to October 2022, which includes the recognition of reports within IECEx and use of ISO/IEC 17025 and 17065, all of which considered significant and important changes.**

**The meeting also noted the significant increase in IECEx activity within the US especially relating to the Coast Guard activities.**

**The meeting also noted the activities around non-electrical standards of ISO 80079 series noting no real regulatory direction for use of these standards.**

**In conclusion, the meeting was reminded of the 2022 IEC General Meeting to be held in San Francisco and the opportunity to organisations interested in providing sponsorship thru the US National Committee.**

**The Chair invited any other comments or questions from the floor, with none received the meeting agreed to record the following decisions**

**Decision 2021/45**

The Meeting accepted a verbal report from Mr Cameron on behalf of GB regarding BREXIT and the impact of this on certification activities and requirements in the UK (noting that the CE Mark deadline has been extended).

**Decision 2021/46**

The Meeting accepted a report and presentation from Mr Jasmin Omerovic (ExNBG Chair) on behalf of ExNBG.

**Decision 2021/47**

The Meeting accepted a report and presentation from Mr Henrique Burd on behalf of Brazil.

**Decision 2021/48**

The Meeting accepted a report (circulated as ExMC/1764/Inf) presented by Mr Scott Kiddle on behalf of USA.

16 FINANCE

**16.1 Accounts and Budgets**

**16.1.1****Approval of the 2020 Audited Accounts**

 **Document considered:**

* **ExMC/1693/DV** – 2020 Audited accounts

**The IECEx Treasurer, Professor Xu Jianping gave a detailed Presentation of the Financial situation of the IECEx including the 2020 Audited accounts as detailed in ExMC/1693/DV. He highlighted the various items of Income and also Expenditure advising that this is a most pleasing result that now sees the IECEx General Reserve sitting at 1.7 x annual expenses. He also noted that for 2021 due to COVID-19 there will not be an annual conference this year.**

**He also noted the allocation of CHF 300’000 as Designated Reserves for “Innovation + Promotion”**

**Professor Xu Jianping detailed the 2020 accounts highlighting the following key points:**

**Total System Income = CHF 1’719’293 , (≈3% below budget)**

* **Annual dues in line with budget**
* **Certificate fees - CoPC - 30% above budget,**
* **Certificate fees – Equip. - 10% below budget, 3.4% above 2019**
* **Certificate Fees – Services – 5% below budget, 1% below 2019**
* **RTP Fees – 69% above budget, due to new bodies joining**
* **Conference deferred for 2020 but not this year due to COVID-19**
* **Assessment Fees – Invoicing of ExCBs + ExTLs**

**Total Operating Expenses = CHF 1’406’047 (≈ 12% Below Budget)**

* **All items in line or below budget**
* **No Conference/ No Travel – so no expenditure**
* **Travel only conducted in January and February 2020**
* **Special Projects includes IECEx website enhancements**
* **Corresponding expense for assessments to Assessor Org**

**A total of CHF 2’381’797 as general reserve at end 2020, which includes the CHF 300K designated reserve for innovation and promotion.**

**He then reported on the expected forecast for remainder of 2021 taking into account the covid-19 pandemic, which continues to show IECEx in a strong financial position.**

**Professor Xu Jianping then detailed the 2023 – 2024 Financial Outlook (ExMC/1696/CD) as a proposed setting for the draft 2023 Budget preparations.**

**He also noted the work conducted by the IECEx Secretariat according to their role as assigned by the IEC and IECEx rules and the improvements to the IECEx System and IECEx website since the last meeting.**

**In conclusion Professor Xu Jianping informed that as Treasurer he is pleased with the financial position of the IECEx, noting that this was also the conclusion from the last Meeting of the IECEx Executive.**

**He then recommended that the 2020 audited accounts are endorsed and approved by ExMC for presenting to CAB.**

**The Chair, thanked Professor Xu Jianping for his comprehensive and excellent report and noted the solid financial position of IECEx and invited questions or comments, with none received the meeting agreed to record the following decision.**

**Decision 2021/49**

The meeting, in noting the 2020 Audited Accounts in Document ExMC/1693/DV, approved that they be referred to IEC CAB for acceptance.

**In favour:** AU, BR, CA, CH, CN, CZ, DE, DK, ES, FI, FR, GB, HR, HU, IL, IN, IR, IT, JP, KR, MY, NL, NO, PL, RO, RU, SA, SE, SI, TR, USA, ZA

**Objections:** Nil

**Absent:** GR, NZ, SG, UAE

**Abstaining:** Nil

**16.1.2\* Approved 2022 Budget**

 **Document noted:**

* [**CAB/2064/DV**](https://www.iecex.com/dmsdocument/3388) **-** IECEx Budget for 2022, as previously approved by CAB

**The meeting noted that the Draft 2022 budget, previously accepted by ExMC, had since been approved by the CAB. The Chair then noted the meeting’s agreement to the consent agenda and referred to Decision 2021/02.**

**16.2 IECEx 2024 Outlook Draft Budget Guide**

 **Document considered:**

* [**ExMC/1696/CD**](https://www.iecex.com/dmsdocument/3379) - Forecasted Budget Outlook Guide to 2024

**The meeting was reminded that in line with the new Swiss GAAP accounting principles, the Executive have prepared a Budget Outlook to 2024. This document has been prepared taking into account the 2020 audited accounts and 2021 and 2022 Approved Budgets and is provided for ExMC consideration and guidance when preparing the formal budget for 2023.**

**The Chair noted that this item had already been covered by the IECEx Treasurer’s presentation and invited any questions or comments, with none received the meeting agreed to record the following decision.**

**Decision 2021/50**

The meeting considered a financial outlook to 2023 prepared by the IECEx Executive (as circulated as ExMC/1696/CD) in accordance with the new Swiss GAAP accounting principles and noted that this document has been prepared taking into account the 2020 audited accounts and 2021 and 2022 Approved Budgets. It is intended that this will be used as guidance when preparing the draft formal budget for 2023, to be approved by ExMC.

**16.3\* IECEx System Participation Fees**

**Document noted**

* [**OD 019**](https://www.iecex.com/dmsdocument/1605) **Edition 7.3 -**  IECEx Participation and System Fees

**The Chair then noted the meeting’s agreement to the consent agenda and referred to Decision 2021/02.**

### 17 OTHER BUSINESS

**The Chair noted that this meeting will be the last meeting for Dr Gerold Klotz Engman of Germany. Dr Glotz-Engman advsied that after some 20 years of participation, since 2002, this was to be his last meeting and thanked all members and colleagues for their excellent collaboration over the many years.**

**The IECEx Secretary noted that significant contribution and input from Gerold and the support from his employer and conveyed the thanks from all the IECEx family. With this in mind the meeting agreed to record the following decision.**

**Decision 2021/51**

The meeting recorded thanks for the past work, support and long-term participation of Gerold Klotz-Engmann following his advice that he will be retiring in January 2022. His employer, along with those of all other delegates, are thanked for their support.

## 18 REPORT TO CAB

 To provide for any further discussion regarding items to be reported to the IEC CAB.

**The meeting considered if there were any specific items beyond those normally referred to CAB that may have arisen during the course of this meeting. None were raised.**

**19 NEXT MEETING**

**The Chair noted that due to unfortunate situations, our host for 2022 has had to withdraw their offer for 2022 with the Chair advising that we need to await developments and the situation of the global pandemic but did note the list of host countries for the following meeting**

**2022 – To be advised**

**2023 – UK**

**2024 – Brazil**

**2025 – Japan**

**GB raised the concern of any thoughts of allowing annual IECEx meetings to be held as hybrid meetings, noting that as a host to provide for hybrid meetings adds considerable expense and needs to be considered. In discussion, the Chair noted that following the lifting of travel restrictions, there maybe a view that we should be reverting back to only face to face meetings which should be the case by 2023.**

**The Secretary, reminded the meeting that the idea of Hybrid Meetings was only for the 2022 meetings as different countries are likely to be at different stages of lifting travel bans.**

**In conclusion the meeting agreed to record the following decision.**

**Decision 2020/52**

The meeting noted the withdrawal of their offer to host the 2022 meeting by QPS in light of the continuing COVID-19 pandemic and that other options are being explored for face-to-face and/or hybrid meeting formats in 2022.

The future meeting schedule is as follows:

2023: UK

2024: Brazil

2025: Japan

### 20 CLOSE OF MEETING

**Meeting closed at 15:28 UTC on 3rd September 2021, with the Chair thanking all delegates, members of the Executive and WG Conveners for their excellent contributions.**

**Annex A**

**Consent Agenda Items**

**A1 Introduction**

The Table under A2 is a list of those Agenda items that were considered by the 2021 ExMC Meeting as being approved/endorsed as Consent Agenda Items, where a single decision was recorded that agrees with the recommendations made or items for noting listed in A2 below.

**A2 Consent Agenda Items**

|  |
| --- |
| **2021 ExMC Remote Meeting Consent Agenda** |
| **Agenda** | **Title** | **Documents** |
| 3 | **MINUTES OF THE LAST ExMC MEETING** |  |
| 3.1 | To note the Confirmed Minutes of the 2020 ExMC Online meeting | ExMC/1682A/RM |
|  |  |  |
| 5 | **REPORT ON IEC CAB Matters** |  |
| 5.1 | To note CAB Decision Lists |  |
| 5.2.1 | Specific CAB Decisions from 48th Meeting | CAB/2037/DL |
| 5.2.2 | Specific CAB Decisions from 49th Meeting | CAB/2098/DL |
|  |  |  |
| 5.3 | IEC Conformity Assessment System’s Harmonised Basic Rules | IEC CA 01 Ed 2.4IECEx 01-S Ed 2.1 |
|  |  |  |
| 6 | IECEx MEMBERSHIP |  |
| 6.1 | Current Membership |  |
| 6.3 | New ExCBs and ExTLs accepted, via correspondence, since the 2020 ExMC Meeting | ExMC/1742/R |
|  |  |  |
| 7 | **IECEx ASSESSMENTS OF ExCBs AND ExTLs** |  |
| 7.1 | IECEx Assessment of ExCBs and ExTLs since 2020 ExMC meeting | ExMC/1741/R |
| 8 | **IECEx CERTIFIED EQUIPMENT SCHEME, IECEx 02** |  |
| 8.1 | Listing of Current IECEx 02 Scheme ExCBs and ExTLs | <https://www.iecex.com/members-area/od001/>  |
| 10.1 | Listing of ExCBs – According to IECEx 03 series, Certified Service Facility Scheme | <https://www.iecex.com/information/excbs/service-facilities/>  |
| **16** | **FINANCE** |  |
| 16.1.2 | Approved 2022 Budget | CAB/2064/DV & ExMC/1680/DV |
| 16.3 | IECEx System Participating Fees | OD 019 Ed 7.3 |

**ANNEX B**

**Action Items from the 23rdd Meeting of the IECEx ExMC 2021**

| **Item** | **Agenda Item** | **Actions Arising from the Meeting** | **By Whom** | **When** |
| --- | --- | --- | --- | --- |
| 1 | 4.1 | WG1 to consider the FR proposal ExMC(2021 Remote/FR)03 regarding the listing of ATF scopes noting the remarks of US, DK and AU  | ExMC WG1 | For reporting at next meeting |
| 2 | 4.2 | Report to CAB on the ExMC Nomination of Mr Agius to serve a further term as IECEx Executive Secretary and seek CAB Approval | IECEx Chair | Following the meeting |
| 3 | 6.2 | Secretary to follow up with communication with Countries interested in joining IECEx such as Slovakia, Vietnam, Austria | IECEx Secretariat  | Following the meeting |
| 4 | 6.4 | Secretariat to liaise with TC 31 / IECEx Liaison Mr Coppler regarding stocktake of TC 31 publications used within IECEx. | IECEx Secretariat  | Following the meeting |
| 5 | 7.2.1 | Documents of the ExAG, namely ExMC/1737/DV, ExMC/1738/DV, ExMC/1739/DV and ExMC/1736/DV with account taken of the US comments, ExMC/1754/CD proceed for publication as updated Forms in the F series | IECEx Secretariat  | Completed September 2021 |
| 6 | 8.2.2 | Document ExMC/1735/DV proceed to publication as revised edition OD 012 | IECEx Secretariat  | Completed Published October 2021 |
| 7 | 8.2.3 | ExMC Members to advise the IECEx Secretariat and Mr Gavranich of AU of any experts to serve on the new AdHoc WG on Ambient Temperatures. | Members | By end September 2021 |
| 8 | 8.3 | Revision of IECEx 02, ExMC/1697/DV be updated with the comments of the meeting namely US comments in ExMC/1755/CD and submit for voting via correspondence | Secretariat | ExMC/1697A/DV submitted for vote and finalised for publication. Comments received at voting to be referred to WG1 for consideration of a future amendment. |
| 9 | 8.6 | In line with proposal ExMC/1756/CD new WG19 to be formed with members to nominate experts, with the Executive requested to review the business case to be prepared by the new WG19 | Members + Executive | Following the meeting |
| 10 | 9.4 | Membership to consider nominating experts to fill vacancies on ExMarkCo | Members | Following the meeting |
| 11 | 10.2 | All ExCBs to note Transition Policy from IEC 60069-19 Edition 3.0 to Edition 4.0 as reflected in Decision 2021/27, with the Secretariat to inform ExCBs | ExCBs participating in the IECEx 03-5 SchemeSecretariat to notify | Following the meeting |
| 12 | 10.2 | Documents ExMC/1714/DV (IECEx 03-4 Rev), ExMC/1716/DV (OD 315-5 Rev), ExMC/1717/DV (OD 316-4 Rev), ExMC/1719/DV (IECEx 03-5 FAR Rev) and ExMC/1720/DV (TCD IEC 60079-19 Ed 4) proceed for publication | Secretariat | Rules and ODs published October 2021  |
| 13 | 10.2 | Documents ExMC/1715/DV (OD 314-5 and ExMC/1725/DV (OD 314-4 Rev) be referred back to the ExSFC to take account of the US Comments in ExMC/1760/CD | ExSFC | Completed published in December 2021 |
| 14 | 11.1 | Documents ExMC/1705/DV (OD 502 Rev), ExMC/1706/DV (OD 503 Rev), ExMC/1707/DV (OD 504 Rev), ExMC/1708/DV (OD 508) and ExMC/1733/DV (OD 521 Rev) proceed for publication | Secretariat | Completed published in October 2021 |
| 15 | 11.1 | Meeting noted progress with the IECEx CoPC Question Bank and software with the Secretariat to proceed with software solution in consultation with Chair | Secretariat  | Following the meetingPilot phase of Software with ExCBs instructed in its use.  |
| 16 | 11.3 | Document ExMC/1734/DV proposal for a Record of Training Register be referred back to ExPCC for further consideration in light of US Comments ExMC/1758/CD and comments from the meeting | ExPCC | At the next ExPCC Meeting |
| 17 | 12.2 | Check if the OIML WG is on the IECEx website | Secretariat  | Following the meeting |
| 18 | 13.2 | WG13 requested to meet to review the situation of marketing for the CoPC scheme and see what needs to be referred to WG17 | WG13 | At their next meeting |
| 19 | 13.2 | Members to consider nominating additional experts to the WG17 Marketing WG | Members | Following the meeting |
| 20 | 13.3 | ExMC supports the work of ExMC WG18 in the revision of OD 233 | WG18 | To report progress at next ExMC Meeting |
| 21 | 13.3 | ExMC Supports the work of WG18 collaborating with IEC TC 31 experts and also requested to consider the aspects of functional safety as raised by GB..  | WG18  |  |
| 22 | 13.4 | ExMC supports the collaboration between WG15 and MT 80079-38, noting that the revision of ISO 80070-38 is a matter for SC 31M but requests WG15 to continue to provide assistance and input to revision of the Standard and report back to ExMC and in addition, Dr Munro to provide a report/presentation to the 2022 meeting of ExTAG | WG15 and Dr Munro |  |
| 23 | 16.1.1 | The 2020 Audited accounts as document ExMC/1693/DV are approved and to be presented to CAB for their final approval/endorsement  | Chair and Secretariat | Following the meeting |
| 24 | 16.2 | The IECEx Treasurer and Executive Secretary are to use Document ExMC/1696/Inf “Budget Outlook to 2024 when preparing the 2023 Budget taking into accounts effects of COVID-19 and the end of year results for 2021 | Secretariat | Following the meeting |

**ANNEX C**

**ATTENDANCE LIST Days 1 + 2**

Annex C details the attendance list for days 1 and 2 and is based on issued documents ExMC(2021 Remote/Sec)Day 1 and ExMC(2021 Remote/Sec)Day 2 issued immediately following the meetings. The lists below in C1 and C2 were issued to Members for comment by 27 September 2021.

**C1 Attendance List Day 1**

|  |  |  |  |
| --- | --- | --- | --- |
| **Country** | **Name** | **Organisation** | **Body** |
| ZA | Paul Meanwell | Komatsu Mining Corp | Chair / Exec |
|  | Chris Agius | IECEx Secretariat | Sect / Exec |
|  | Martin Thedens | IEC TC 31 Chair | Body / Guest |
| IEC | Shawn Paulsen | CAB/Chair/IEC Vice President | CAB |
| AU | Ajay Maira | Ex Testing and Certification | Body |
| AU | Geoff Barnier | Simtars | Body |
| AU | Jim Munro | Jim Munro | Exec |
| AU | Justin Gavranich | Ex Testing and Certification | HoD |
| AU | Mohamed Abdelkrimi | MSTC | Body |
| AU | Ralph Wigg | E-x Solutions International Pty Ltd | Consultant |
| AU | Stephen Keeling | JAS-ANZ | NMB |
| AU | Ujen Singh | Testsafe Australai | Body |
| BR | André Di Monte | Siemens | Mfr |
| BR | Eduardo Galera | UL do Brasil | Body |
| BR | Leandro Erthal | Petrobras | Observer |
| BR | Giovanni Hummel Borges | HG Inspeção e Análise em Sistemas | HoD |
| BR | Henrique Burd | “Independent” | Consultant |
| BR | Paulo Persona | Sermatex | Mfr |
| BR | Roberval Bulgarelli | Consultant  | Consultant |
| BR | Rodrigo Cabral | Roxtec | Mfr |
| BR | Ruediger Roepke | Consultant | Consultant |
| BR | Wilson Bonato | NCC Certificações do Brasil | Body |
| CA | Andrew Browne | Intertek | Body |
| CA | David Adams | QPS Evaluation Services Inc. | Body/HoD |
| CA | Dorin Stochitoiu | CSA Group | Body |
| CA | Kavinder Dhillon | LabTest Certification Inc. | Body |
| CA | Martin Cole | Hubbell Canada ULC | Exec |
| CH | Mario Schleider | Electrosuisse | HoD |
| CN | Alice Xiaoguang Kou | CNEX | Body |
| CN | Chen Huang | CCCMT | Body |
| CN | Guoyan Zhang | CHEM | Body |
| CN | Hong Yin | PCEC | Body |
| CN | Hong Zhao | NEPSI | Body |
| CN | Jianping Xu | NEPSI | Exec |
| CN | Chao | EETI | Body |
| CN | Jun Wang | CNEX/CQST | Body |
| CN | Jinnan Yang | PCEC | Body |
| CN | Lei Qiu  | CNCA | Body |
| CN | Ma Zhenyu | CQM | Body  |
| CN | Qiao Lu (aka Lucy Lu) | NEPSI | Body |
| CN | Ru Changqing  | SQI | Body |
| CN | Sophia Wang | CNEX | Body |
| CN | Xin Hao | CNCA | NMB/HoD |
| CN | Zaimeng Long | SHCEx | Body |
| CN | Zhongqiang Li | CMExC | Body |
| CZ | Lukas Martinak | FTZU | Body |
| DE | Christian Roder | TUV Nord | Body |
| DE | Frank Lienesch | PTB | Body/Exec |
| DE | Gerold Klotz-Engmann | Endress+Hauser | Body |
| DE | Guenter Gabriel | Pepperl+Fuchs | Mfr |
| DE | Klauspeter Graffi | TUVR | Body |
| DE | Marschall | ATEX | Observer |
| DE | Maria Brodel | PTB | Body |
| DE | Michael Wittler | DEKRA Testing and Certification GmbH | Body |
| DE | Raymond Puppan | VDE | Observer |
| DE | Thorsten Arnhold | R-Stahl | Exec/HoD |
| DE | Ulrich Jacobs | TUV SUD | Body |
| DK | Jasmin Omerovic | ULD | Exec/HoD |
| DK | Søren Storm | Danish Standards | NMB |
| ESP | Angel Vega  | LOM | Body |
| ESP | Juan Carlos Sancho | LOM | Body |
| FI | Jenni Hirvelä | Eurofins Expert Services Oy | Body |
| FRJenni Hirvelä | Amel Meddour | Schlumberger | Mfr |
| FRJenni Hirvelä | Julien Gauthier | LCIE Bureau Veritas | Body |
| FRJenni Hirvelä | Merlin Tayo | Dover Fueling Solutions | Mfr |
| FRJenni Hirvelä | Thierry Houeix | INERIS | Body/Exec |
| HR | Marino Kelava | Fiditas Ltd | Body/HoD |
| HR | Stipo Derek | Fiditas Ltd | Body |
| HU | Arpad Veress | ExNB | Body |
| IL | Ilan Cohen | ITL | Body/HoD |
| IN | Ajit Karandikar | Karandikar  | Body/HoD |
| IN | Mohit Janoiya | BIS | NMB |
| IN | Ravi Paranjpe | Karandikar  | Body |
| IN | Vikram Paranjpe | Karandikar  | Body |
| IT | Mauro Casari | IMQ S.p.A | Body |
| IT | Alessandro Fedato | CESI | Body |
| IT | Paulo Luigi Paraboschi | IMQ S.p.A | Body |
| IR | Siavash Maniee | NRI | Observer |
| IR | Somayeh Fathalikhani | ISIRI | NMB/HoD |
| IR | Zahra Shadravanan | ISIRI | NMB |
| JP | Minari Kogane | TIIS | Body |
| JP | Sungmi Jung | TIIS | Body |
| JP | Takuro Kubo | TIIS | Body |
| MY | Ariza Binti Mohd Yusof | SIRIM QAS INTERNATIONAL SDN BHD | Body |
| MY | Ewehock Quah | Ampmech | Mfr |
| MY | Loo Chee Kin |  | Observer |
| MY | Mohd Noorhafiz Mohd Nasir | Dept of Standards Malaysia | HoD |
| MY | Muhammad Nazif Bin Zakaria | SIRIM QAS International SDN BHD | Body |
| MY | Norhaliza Arifin | Dept of Standards Malaysia | Observer |
| MY | Nurul Asiqin | Dept of Standards Malaysia | Observer |
| NL | Fred Lankamp | CNEX-Global BV | Body |
| NL | Karel Neleman | BARTEC | Mfr |
| NL | Marco Erdhuizen | QPS | Body |
| NL | Richard Schuller | DEKRA Certification B.V. | Body/HoD |
| NO | Arild Røed | NEK | NMB |
| NO | Bjørn Spongsveen | DNV GL Presafe AS | Body |
| PL | Jaroslaw Zadrozny | ICR Polska | Observer |
| PL | Robert Gil | UDT- Office of Technical Inspection | NMB - HoD |
| RO | Lucian Moldovan | INCD- INSEMEX Petrosani | Body |
| RO | Sorin Burian | INCD- INSEMEX Petrosani | NMB HoD |
| ROK | Dongjin Kim | KTL | Body |
| ROK | Jeong Il Kang | KOSHA | Body |
| ROK | Ki Ho Lee | KOSHA | Body |
| ROK | Sang-cheol Lee | KTL | Body |
| ROK | Seonghun Shim | Korea Gas Safety Corporation | Body |
| ROK | Soojin Park  |   | Observer |
| ROK | Yongwon Choi | KTL | Body |
| ROK | Yeong-Seung Min | KTL | Body |
| ROK | Yong Tea Kim | KOSHA | HoD |
| RU | Alexander Zalogin | NANIO CCVE | HoD |
| RU | Anna Timofeeva | RU IECEx MB | NMB |
| RU | Yulia Tikhonenko | NANIO CCVE | Body |
| SA | Adnan Almazmumi | SASO | NMB/HoD |
| SA | Hussain Alghamdi | SASO | NMB |
| SA | Nasser Almuslat | SASO | NMB |
| SE | Ingvar Eriksson | SEK Svensk Elstandard | HoD |
| SE | Peter Bremer | RISE | Body |
|  | Christine Kane | IECEx Secretariat | Sect |
|  | Mark Amos | IECEx Secretariat | Sect |
|  | Mike Roy | IECEx Secretariat | Sect |
| SI | Matej Debenc | SIQ | Body/HoD |
| SK | Jana Mikusova | UNMS SR | Observer |
| TR | Ümit Sevim | Turkish Standards Institute | NMB |
| UK | Adrian Smart | Intertek | Body |
| UK | Colin Cameron | Mutech | Mfr/HoD |
| UK | Neil Jones | CSA UK | Body |
| UK | Nicholas Ludlam | FM Approvals | Body |
| UK | Ron Webb | Consultant | Consultant |
| UK | Ronald Sinclair | SGS Baseefa | Exec |
| UK | Wayne Thomas  | CSA UK | Body |
| USA | Brad Zimmermann | R. STAHL, Inc. | Mfr |
| USA | Dave Anderson | FM Approval | Body |
| USA | Erin Larocco | UL LLC | Observor |
| USA | Joel Solis | NEMA/US NC | Observer |
| USA | Joseph Genre | Industrial Scientific | Mfr |
| USA | Katy Holdredge | UL LLC | Exec |
| USA | Kevin Wolf | Intertek Testing Services NA | Body |
| USA | Mark Coppler | TC 31 Liaison |  |
| USA | Michael Marrington | IndEx | Body |
| USA | Mike Slowinske | UL LLC | Body |
| USA | Paul Kelly | UL LLC | Body |
| USA | Prathamesh Panchal | SGS Nth America | Body |
| USA | Roy Teather | DNV GL Presafe AS | Body |
| USA | Scott Kiddle | ABB Inc | HoD |
| USA | Sheryl Bihler | ABB Inc | Mfr |
| USA | Timothy Duffy | Rockwell Automation | Exec |
| ZA | Eldon Kruger | NMB | HoD |
| ZA | Francoius Du Toit | MASC | Body |
| ZA | Mark Sadler | MASC | Observer |
| ZA | Regardt Zeelie | MASC | Body |
| ZA | Roelof Viljoen | MASC | Body |
| ZA | Terine Orsmond | MASC | Body |
| ZA | Tony Mouton | MASC | Observer |
|  |  |  |  |
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**C2 Attendance List Day 2**

|  |  |  |  |
| --- | --- | --- | --- |
| **Country** | **Name** | **Organisation** | **Body** |
| ZA | Paul Meanwell | Komatsu Mining Corp | Chair / Exec |
|  | Chris Agius | IECEx Secretariat | Sect / Exec |
|  | Martin Thedens | IEC TC 31 Chair | Body / Guest |
| AU | Ajay Maira | Ex Testing and Certification | Body |
| AU | Geoff Barnier | Simtars | Body |
| AU | Jim Munro | Jim Munro | Exec |
| AU | Justin Gavranich | Ex Testing and Certification | HoD |
| AU | Mohamed Abdelkrimi | MSTC | Body |
| AU | Ralph Wigg | E-x Solutions International Pty Ltd | Consultant |
| AU | Stephen Keeling | JAS-ANZ | NMB |
| AU | Ujen Singh | Testsafe Australai | Body |
| BR | André Di Monte | Siemens | Mfr |
| BR | Eduardo Galera | UL do Brasil | Body |
| BR | Leandro Erthal | Petrobras | Observer |
| BR | Giovanni Hummel Borges | HG Inspeção e Análise em Sistemas | HoD |
| BR | Henrique Burd | “Independent” | Consultant |
| BR | Paulo Persona | Sermatex | Mfr |
| BR | Roberval Bulgarelli | Consultant  | Consultant |
| BR | Ruediger Roepke | Consultant | Consultant |
| BR | Wilson Bonato | NCC Certificações do Brasil | Body |
| CA | David Adams | QPS Evaluation Services Inc. | Body/HoD |
| CA | Kavinder Dhillon | LabTest Certification Inc. | Body |
| CA | Martin Cole | Hubbell Canada ULC | Exec |
| CH | Peter Thurnherr | ExPCC/thuba | Exec/Mfr |
| CH | Mario Schleider | Electrosuisse | HoD |
| CN | Alice Xiaoguang Kou | CNEX | Body |
| CN | Changqing Ru | SQI | Body |
| CN | Chen Huang | CCCMT | Body |
| CN | Guoyan Zhang | CHEM | Body |
| CN | Hong Yin | PCEC | Body |
| CN | Hong Zhao | NEPSI | Body |
| CN | Jianping Xu | NEPSI | Exec |
| CN | Chao | EETI | Body |
| CN | Jun Wang | CNEX/CQST | Body |
| CN | Jinnan Yang | PCEC | Body |
| CN | Lei Qiu  | CNCA | Body |
| CN | Ma Zhenyu | CQM | Body  |
| CN | Qiao Lu (aka Lucy Lu) | NEPSI | Body |
| CN | Sophia Wang | CNEX | Body |
| CN | Xin Hao | CNCA | NMB/HoD |
| CN | Zaimeng Long | SHCEx | Body |
| CN | Zhongqiang Li | CMExC | Body |
| CZ | Lukas Martinak | FTZU | Body |
| DE | Christian Roder | TUV Nord | Body |
| DE | Frank Lienesch | PTB | Body/Exec |
| DE | Gerold Klotz-Engmann | Endress+Hauser | Body |
| DE | Guenter Gabriel | Pepperl+Fuchs | Mfr |
| DE | Klauspeter Graffi | TUVR | Body |
| DE | Maria Brodel | PTB | Body |
| DE | Michael Wittler | DEKRA Testing and Certification GmbH | Body |
| DE | Raymond Puppan | VDE | Observer |
| DE | Thorsten Arnhold | R-Stahl | Exec/HoD |
| DE | Ulrich Jacobs | TUV SUD | Body |
| DK | Jasmin Omerovic | ULD | Exec/HoD |
| DK | Søren Storm | Danish Standards | NMB |
| ESP | Angel Vega  | LOM | Body/HoD |
| ESP | Juan Carlos Sancho | LOM | Body |
| ESP | Sergio Domene | LOM | Body |
| FI | Jenni Hirvelä | Eurofins Expert Services Oy | Body |
| FRJenni Hirvelä | Amel Meddour | Schlumberger | Mfr |
| FRJenni Hirvelä | Julien Gauthier | LCIE Bureau Veritas | Body |
| FR | Michel Brenon | Consultant | Observer |
| FRJenni Hirvelä | Merlin Tayo | Dover Fueling Solutions | Mfr |
| FRJenni Hirvelä | Thierry Houeix | INERIS | Body/Exec |
| HR | Stipo Derek | Fiditas Ltd | Body |
| HU | Arpad Veress | ExNB | Body |
| IL | Ilan Cohen | ITL | Body/HoD |
| IN | Ajit Karandikar | Karandikar  | Body/HoD |
| IN | Mohit Janoiya | BIS | NMB |
| IN | Ravi Paranjpe | Karandikar  | Body |
| IT | Fedato Alessandro | CESI | Body |
| IT | Mauro Casari | IMQ S.p.A | Body |
| IT | Paulo Luigi Paraboschi | IMQ S.p.A | Body |
| IR | Siavash Maniee | NRI | Observer |
| IR | Zahra Shadravanan | ISIRI | NMB |
| JP | Minari Kogane | TIIS | Body |
| JP | Sungmi Jung | TIIS | Body |
| JP | Takuro Kubo | TIIS | Body |
| MY | Ariza Binti Mohd Yusof | SIRIM QAS INTERNATIONAL SDN BHD | Body |
| MY | Ewehock Quah | Ampmech | Mfr |
| MY | Loo Chee Kin |  | Observer |
| MY | Mohd Noorhafiz Mohd Nasir | Dept of Standards Malaysia | HoD |
| MY | Muhammad Nazif Bin Zakaria | SIRIM QAS International SDN BHD | Body |
| MY | Norhaliza Arifin | Dept of Standards Malaysia | Observer |
| MY | Nurul Asiqin | Dept of Standards Malaysia | Observer |
| NL | Fred Lankamp | CNEX-Global BV | Body |
| NL | Karel Neleman | BARTEC | Mfr |
| NL | Marco Erdhuizen | QPS | Body |
| NL | Richard Schuller | DEKRA Certification B.V. | Body/HoD |
| NO | Arild Røed | NEK | NMB |
| NO | Bjørn Spongsveen | DNV GL Presafe AS | Body |
| PL | Robert Gil | UDT- Office of Technical Inspection | NMB – HoD |
| RO | Sorin Burian | INCD- INSEMEX Petrosani | NMB HoD |
| ROK | Dongjin Kim | KTL | Body |
| ROK | Jeong Il Kang | KOSHA | Body |
| ROK | Ki Ho Lee | KOSHA | Body |
| ROK | Sang-cheol Lee | KTL | Body |
| ROK | Seonghun Shim | Korea Gas Safety Corporation | Body |
| ROK | Soojin Park  |   | Observer |
| ROK | Yongwon Choi | KTL | Body |
| ROK | Yeong-Seung Min | KTL | Body |
| ROK | Yong Tea Kim | KOSHA | HoD |
| RU | Alexander Zalogin | NANIO CCVE | HoD |
| RU | Anna Timofeeva | RU IECEx MB | NMB |
| RU | Yulia Tikhonenko | NANIO CCVE | Body |
| SA | Adnan Almazmumi | SASO | NMB/HoD |
| SA | Hussain Alghamdi | SASO | NMB |
| SA | Nasser Almuslat | SASO | NMB |
| SE | Ingvar Eriksson | SEK Svensk Elstandard | HoD |
|  | Christine Kane | IECEx Secretariat | Sect |
|  | Mark Amos | IECEx Secretariat | Sect |
|  | Mike Roy | IECEx Secretariat | Sect |
| SI | Matej Debenc | SIQ | Body/HoD |
| TR | Ümit Sevim | Turkish Standards Institute | NMB |
| UK | Adrian Smart | Intertek | Body |
| UK | Colin Cameron | Mutech | Mfr/HoD |
| UK | Neil Jones | CSA UK | Body |
| UK | Nicholas Ludlam | FM Approvals | Body |
| UK | Ron Webb | Consultant | Consultant |
| UK | Ronald Sinclair | SGS Baseefa | Exec |
| UK  | Simon Barrowcliff | Element | Body |
| UK | Wayne Thomas  | CSA UK | Body |
| USA | Brad Zimmermann | R. STAHL, Inc. | Mfr |
| USA | Dave Anderson | FM Approval | Body |
| USA | Erin Larocco | UL LLC | Observer |
| USA | Evans Massey |  | Observer |
| USA | Joel Solis | NEMA/US NC | Observer |
| USA | Joseph Genre | Industrial Scientific | Mfr |
| USA | Katy Holdredge | UL LLC | Exec |
| USA | Kevin Wolf | Intertek Testing Services NA | Body |
| USA | Mark Coppler | TC 31 Liaison |  |
| USA | Michael Marrington | IndEx | Body |
| USA | Mike Slowinske | UL LLC | Body |
| USA | Paul Kelly | UL LLC | Body |
| USA | Prathamesh Panchal | SGS Nth America | Body |
| USA | Roy Teather | DNV GL Presafe AS | Body |
| USA | Scott Kiddle | ABB Inc | HoD |
| USA | Sheryl Bihler | ABB Inc | Mfr |
| ZA | Francoius Du Toit | MASC | Body |
| ZA | Mark Sadler | MASC | Observer |
| ZA | Regardt Zeelie | MASC | Body |
| ZA | Roelof Viljoen | MASC | Body |
| ZA | Terine Orsmond | MASC | Body |
| ZA | Tony Mouton | MASC | Observer |
|  |  |  |  |
|  |  |  |  |

Body = IECEx Certification Body and/or IECEx Testing Laboratory

Mfr = Manufacturer

Exec = member of the IECEx Executive

NMB= National Member Body representative

HoD= Head of Delegation