**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 Fourth Meeting of the ExMC held Remotely on

**8th and 9th September 2022**

Confirmed Formal Minutes

Following on from the issuing of the list of Confirmed Decisions from the 2022 meeting, document ExMC/1894/DL, **issued September 2022,** and ExMC/1903/RM as the draft Formal Minutes, which were issued for confirmation via correspondence,this document now serves as the Confirmed Formal Minutes of the 2022 Meeting of the IECEx Management Committee.

Two requests for minor editorial changes to the draft formal minutes were received and these editorial changes have been accepted and incorporated into the formal minutes that is now being reissued as ExMC/1903A/RM.

Please be reminded that the Decisions shown in these minutes were confirmed during the meeting and hence are not subject to any changes.

These confirmed 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 2022 IECEx Meeting webpage <https://www.iecex.com/meeting-and-events/2022-remote-annual-meeting-of-the-iecex-system-2/>

**IECEx Secretariat**

|  |  |
| --- | --- |
| **Visiting address:**IECEx Secretariat Level 33, Australia Square264 George StreetSydney NSW 2000Australia | **Contact Details:**Tel: +61 2 4628 4690Fax: +61 2 4627 5285E-mail: info@iecex.com<http://www.iecex.com> |

**Minutes of Meeting**

1. **OPENING AND WELCOME – Meeting Commenced at 12 Noon UTC Time zone on Thursday 8th September 2022 and continued from 12 Noon UTC Time Zone on Friday 8th September 2022.**
	1. **Introduction and Address by IECEx Chair – Mr Paul Meanwell**

**Mr Paul Meanwell as IECEx Chair opened the meeting at 1200 UTC on 8th September 2022 welcoming delegates to this remote meeting of the ExMC noting that this was the third consecutive meeting to be held remote and that the next meeting in 2023 is planned to be held face to face in Edinburgh UK.**

**The Chair noted that the last two annual meetings have been successful as technologies have improved and the global community has certainly got better at adapting to electronic meetings. He further elaborated that the last two to three years have shown that while remote operations have enabled the rapid organisation and execution of meetings to accelerate the progress of work, in other areas, particularly in the assessment and audit space, there are gaps that are difficult fill using remote technologies.**

**The Chair then acknowledged the presence of key personnel at the meeting including;**

* **IEC Vice President and Chair of the IEC Conformity Assessment Board – Mr Shawn Paulsen**
* **Members of the IEC Conformity Assessment Board and also Members of the IECEx Executive**
	+ **Marty Cole, CAB Member + IECEx Vice Chair**
	+ **Thorsten Arnhold - CAB Member + Member of the IECEx Executive (as Immediate Past IECEx Chair)**
	+ **Tim Duffy - CAB Member and Member of the IECEx Executive (as ExMarkCo Chair).**
	+ **Simon Barrowcliff – CAB Member.**

**The Chair also extended a special warm welcome to:**

* **All the other Members of our IECEx Executive present.**
* **IEC TC 31 Chair – Martin Thedens ( also acting IEC TC31 Liaison following retirement of Mark Coppler)**
* **The Members of the IECEx Secretariat team, noting new member Geoff Slater who will be looking after compliance matters.**
* **All IECEx Members and Delegates**

**The Chair also noted that the very first meeting of the IECEx was in May 1996 and gave special mention to four people present today who were also at that meeting;**

* **Ralph Wigg – AO from Australia**
* **Michel Brenon from France**
* **Peter Bremer from Sweden**
* **Chris Agius – Secretary.**

**The Chair noted the continued successful operation of the scheme and its positive financial result, along with the growth of the scheme with new applicant ExCB’s and ExTL’s being processed.**

**The Chair listed the number of meetings held by various committees and working groups over the past year, thanking the Conveners and members for their work in ensuring the IECEx business continues. He gave special mention to the WG19 and its Task Teams working on hydrogen technologies.**

**He also recalled the various promotional events including development and launch of new IECEx animated videos (there are now three) and on-going work to promote the IECEx activities.**

**Other marketing and promotional actives included:**

* **Various Bi-Lateral Zoom meetings with Countries and Regions**
* **IECEx Secretariat Participation in Conferences such as**
	+ **Vision Zero Summit 2022 hosted by Japan**
	+ **OECD (**Organisation for Economic Cooperation and Development**)**
	+ **IRENA (International Renewable Energy Association)**

**The Chair noted the work of the Conformity Assessment Board and their work with aspects of the IB (IEC Board) drive towards United Nations Sustainable Development Goals (SDG’s), corporate governance and transparency.**

**The Chair thanked the IECEx Secretariat for their work over the past year and the preparation for this 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 giving an update on IEC initiatives and CAB activities.**

**Mr Paulsen gave a ppt presentation highlighting the vision of the IEC, its strategic objectives, organisation chart, initiatives, the Global Impact Fund, strategic plan with nine strategic goals.**

**He outlined the Role of CAB including its oversight of conformity assessment, and its Seven Strategic Actions. He also discussed the Major CAB activities.**

**He then outlined the IEC Conformity Assessment Systems Principals and discussed the Future Challenges of conformity assessments with the development of new technologies and methods through digital transformation.**

**He expressed his congratulations to the IECEx for its work and the time and effort of the members in supporting the system and its schemes.**

**He appreciated the work of the IECEx chair and secretariat and pledged his full support.**

**He wished everyone a good meeting.**

**The meeting appreciated the address by the IEC Vice President and recorded the following decision.**

**Decision 2022/01**

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.

**APPROVAL OF THE AGENDA**

**2.1 Approval of Draft Agenda**

**Document considered:**

* **ExMC/1849A/DA** - RevisedDraft Agenda, 2022 ExMC Meeting

**The Chair called on the meeting to accept the draft agenda and following a brief discussion the agenda was approved with a slight re-arrangement of timing on agenda items with the meeting recording the following decision.**

**Decision 2022/02**

The meeting approved the draft agenda as circulated as ExMC/1849A/DA with the following additions:

* IEC TC31 Report
* IEC TC31/ IECEx Liaison Report
* ISO Technical Expert Group

**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 decision.**

**Decision 2022/03**

The meeting approved all items listed in the Consent Agenda circulated as Annex A to ExMC/1849A/DA however the USNC requested an opportunity to comment on Item 5.2.2

**3 MINUTES OF THE LAST ExMC MEETING**

**3.1\*** **Confirmed Minutes of the last meeting held remotely in 2021.**

**The Chair noted the meeting’s agreement to the consent agenda and referred to Decision 2022/03.**

**3.2 Matters arising from these minutes**

**3.2.1** **Report on Actions arising from the 2021 ExMC Meeting**

**Document noted:**

* **ExMC/1877/R** – Status of Action Items from the 2021 ExMC Meeting

**The report (ExMC/1877/R) was presented by the IECEx Executive Secretary Chris Agius. He conveyed the appreciation of the IEC Secretary General and CEO Mr. Philippe Metzger for all the work that is done by the leadership and membership of the IECEx.**

**In reviewing the action list the following items were noted;**

* **Item 4 – stocktake of IECEx TC31 publications – this to be carried forward**
* **Item 11 – editorial correction, IEC 60069-19 should read IEC 60079-19**
* **Item 18 – release of the third IECEx animated video to assist in promoting the CoPC Scheme along with the opportunity for CBs to brand the video. This can be arranged by the Secretariat.**
* **Item 22 – update by Dr Munro – reported also to ExTAG. This is the collaboration between WG15 and MT 80079-38 (non-electrical standard for mining use). This work is ongoing.**

**The Secretary further noted the various 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 2022/04**

The meeting appreciated and endorsed a report (ExMC/1877/R) from the Secretariat and Dr Munro (ExMC WG15 Convenor) with highlighting of various items on the list of actions arising from the 2021 Meeting as circulated as ExMC/1826A/RM*.*

**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**

Nil – no decision recorded.

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

**4.1 Annual Report Card**

**Documents Noted/Discussed:**

* **ExMC/1852/R** – 2022 IECEx Annual Report Card

**The Secretary presented the annual report card as ExMC/1852/R noting that the 22 page report was tabled in advance of the meeting and therefore drew members attention to some of the highlights of the report, noting specifically:**

* **The total number of countries in the IECEx Management Committee is now 36.**
* **Business continuity with the use of OD 060.**
* **Noting that 52 CBs (out of 62 in the equipment scheme) now have non electrical standards in their scope.**
* **The number of Registered Training Providers (RTPs) has increased.**
* **Statistics of issued certificates and reports that show an overall growth of around 11.3% compared to same time in 2021**
* **A breakdown of the new certificates versus certificates being up issued**
* **Continued growth in the service facilities and personnel schemes.**
* **Monitoring and review of the On-Line Certificate system by the Secretariat**
* **Surveillance activities of the schemes.**
* **The improvement in management of certificates and out of date QARs.**
* **Monitoring the use of the IECEx Trademark and Brand.**
* **Continuing with the process of international registrations of the IECEx Trademark**
* **The Secretariat thanked all the work done by the IECEx assessors in particular with remote assessments.**

**The Chair invited questions or comments and noting supporting comments from the members with the US referring to audits of the Secretariat office records by the Chair according to OD 003-2, as has been done in the past, with the Secretary advising that while this was last conducted in 2017 by the previous IECEx Chair, and noting that meetings of the IECEx Executive, does provide for reporting on Secretariat activities including the peer assessment process, that such an audit of the process would now be appropriate, noting the impact of COVID-19 over the past few years preventing such.**

**With comments from the meeting taken into account the meeting agreed to record the following decision.**

**Decision 2022/05**

The meeting accepted the Secretariat’s report that emphasised a number of aspects detailed in ExMC/1852/R as an overview of IECEx System activities.

The meeting noted the USNC request for audits of the Secretariat by the IECEx Chair in accordance with IECEx OD 003-2 with a report to be provided to the 2023 ExMC meeting.

**4.2\* Appointment of IECEx Executive Secretary**

**The Chair requested Members to note the CAB appointment of Mr Agius for a further five-year term as IECEx Executive Secretary commencing 1st January 2022. This was included in the consent agenda.**

Refer Decision 2022/03 regarding the Consent Agenda items.

**4.3 Nomination of IECEx Chair**

**Documents Considered:**

* **ExMC/1825/Inf**– IECEx Chair term of Office

**This discussion was led by the Secretary who commenced by advising the meeting that Mr Meanwell will complete his first term as IECEx Chair at end of 2022 and that we appreciate his availability to serve a second term along with the support from his employer, KOMATSU to enable him to continue.**

**He noted that Mr Meanwell started attending IECEx Meetings around 2006 and therefore has a long history with IECEx. He thanked Mr Meanwell for his leadership role in securing and hosting the 2016 meetings in South Africa.**

**The Secretary informed the meeting that all other nominations received and comments have been in support for the re-appointment of Mr Meanwell for a second term and individual emails supporting re-appointment with members appreciation for his strong dedication and that of his employer KOMATSU which is greatly appreciated.**

**No other nominations have been received.**

**The Secretary then invited questions or comments and noting supporting comments from the members the meeting agreeing to record the following decisions.**

**Decision 2022/06**

The meeting noted at time of closing of call for nominations circulated as ExMC/1825/Inf, all nominations received were for the re-appointment of Mr Paul Meanwell for a second term as IECEx Chair. The meeting then unanimously agreed on submitting Mr Meanwell for IEC CAB approval as IECEx Chair to commence a second term of three years on 1st January 2023.

**Decision 2022/07**

The meeting agreed to record a note of thanks for the work of Mr Paul Meanwell’s first term and the appreciation of the support from his employer KOMATSU.

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

**5.1\*** **Review of Conformity Assessment Board (CAB) Decisions** **from CAB Meetings since the 2021 ExMC Meeting**

 **Documents noted:**

* **CAB/2146/DL** -Decision list of CAB meeting #50
* **CAB/2224/DL** - Decision List of CAB Meeting #51

**The Chair noted the meeting’s agreement to the consent agenda and referred to Decision 2022/03.**

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

**5.2.1\* Noting of Specific Decisions, relating to IECEx from CAB 2021 Meeting #50 (CAB/2146/DL)**

**Specific Decisions noted:**

 Decision 50/05 –Consent Agenda, endorsement of 2020 audited accounts

 Decision 50/07 –Ethically questionable products

 Decision 50/08 –Guidance on hosting CA System MC Meetings

 Decision 50/12 –Data privacy

 Decision 50/20 –IECEx Report

 Decision 50/21 – IECEx Executive Secretary re-appointment

 Decision 50/28 – Approval of IEC CA 01 Edition 2.5

**The Chair noted the meeting’s agreement to the consent agenda and referred to Decision 2022/03.**

**5.2.2\* Noting of Specific Decisions, relating to IECEx from CAB 2022 Meeting #51 (CAB/2224/DL)**

**Specific Decisions noted:**

 Decision 51/03 – IECEx Budget 2023

 Decision 51/07 – Consent Agenda, IECEx 2year financial outlook

 Decision 51/15 – Report from WG14 Promotion

 Decision 51/26 – IECEx Report

**The Chair noted the meeting’s agreement to the consent agenda and referred to Decision 2022/03.**

**The Chair opened the floor to any questions re CAB or CAB decisions**

**US raised questions on Decision 51/17 as it relates to conditions applied to the use of draft of ISO and IEC Standards and permissions for deliverables to show compliance with the draft Standard from this use.**

**Mr Paulsen explained that there are conditions in using draft standards and the requirements of IEC CA 01 clause 11.1 must be met. Mr Duffy added that the business case would have to be made and that details of the use of the draft standards would be required pre and post their issue.**

**The Secretary explained that the decision related to the use of the standards in producing deliverables, deliverables being a certificate or a report or a draft standard not using the draft within a system.**

**The US confirmed that these explanations were satisfactory.**

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

Members to noted that since 1 January 2018 all four IEC Conformity Assessment Systems, IECEE, IECEx, IECQ, IECRE have been operating according to the new IEC CA 01 – Harmonised Basic Rules, noting that Edition 2.5 is the current edition. In addition to note Edition 2.2 of IECEx 01-S as the current edition of the IECEx Supplement.

**Documents noted:**

* **IEC CA 01 Ed 2.5 –** IEC Harmonised Basic Rules Ed 2.5
* **IECEx 01–S Ed 2.2** – IECEx Supplement to IEC CA 01 Ed 2.5

**The Chair noted the meeting’s agreement to the consent agenda and referred to Decision 2022/03.**

* 1. **Any other CAB Matters**

**No other matters were raised.**

6 IECEx MEMBERSHIP

**6.1\* Current Membership**

Members noted current IECEx membership.

 **Document noted:**

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

**The Chair noted this item contained in the consent agenda and referred to Decision 2022/03.**

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

Members to receive an update from the Secretariat on the latest countries submitting an application to join as a participating Member Country of the IECEx, along with possible new Countries interested in joining the IECEx and status of membership since the 2021 meeting.

**The Secretary informed the meeting of past and recent communication and discussions with the following countries**

* **Vietnam**
* **Ireland**
* **Austria**
* **Nigeria**
* **Slovakia**

**He further informed that the Secretariat intends to connect with National Committees from various countries during the 2022 San Francisco IEC General Meeting.**

**The Secretary requested that if any member knows of any other country that should be approached to please inform the Secretariat.**

**6.3\* Acceptance of New ExCBs / ExTLs accepted, via correspondence, since the 2021 ExMC Meeting.**

Since the 2021 ExMC Meeting, various bodies have been accepted to join the IECEx Schemes using the voting via correspondence provisions of the IEC Harmonised Basic Rules, IEC CA 01. Members are asked to endorse a report listing those bodies that have been accepted via this voting process.

 **Document endorsed:**

* **ExMC/1879/R –** Report listing of new ExCBs/ExTLs accepted since the 2021 ExMC Meeting

**The Chair noted this item contained in the consent agenda and referred to Decision 2022/03.**

### 6.4IECEx Executive

**Documents noted/discussed:**

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

**The Chair gave a presentation that contained an overview of the IECEx Executive’s activities covering**

* **IEC CA 01 clause 8.2**
* **IECEx 01-S**
* **IECEX 0D 002 – Overview of the Executive’s responsibilities**
* **Items dealt with by the Executive since the 2021 IECEx Meetings.**
* **Continuing activities of the committee.**
* **Formal meetings of the Executive.**

**The Chair invited questions or comments with the meeting expressing appreciation for the Chair’s report and agreed to record the following decision.**

**Decision 2022/08**

The meeting accepted the report presentation from the IECEx Chair 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.

### 6.5IECEx Operational Document OD 060 – Extraordinary Circumstances

Members noted Edition 2.1 of OD 060 with an update report of implementation timetables and provisions from the Secretariat.

**Document noted/discussed:**

**OD 060** – IECEx Guide for Business Continuity – Management of Extraordinary Circumstances or Events Affecting IECEx Certification Schemes and Activities (Ed 2.1

**The Chair reported on discussions held earlier in the week in the Executive meeting, noting that while the remote provisions of OD 060 has served the IECEx well the Executive feel that it is time to resume face to face engagement for**

* **Peer assessments**
* **Auditing of manufacturers / service providers**
* **Committee Meetings (accepting that remote meetings of WGs may be appropriate as being cost effective and time efficient)**

**Therefore the Chair conveyed the recommendation from the Executive that physical face to face activities should start to resume from 1 January 2023 except where there are extraordinary circumstances.**

**The meeting undertook a detailed and lengthy discussion on the recommendation from the Executive regarding continued application of OD 060 noting that while the large portion of the world governments are removing travel restrictions companies and corporations may still impose their own restrictions or limitations.**

**The meeting also noted that some parts of the world are still imposing travel restrictions which need to be taken into account.**

**The meeting also considered the various issues that may prevent a physical presence that may be due to issues beyond the COVID-19 such as government travel advice and restrictions, eg sanctions, safety alerts etc.**

**The meeting also noted the previous “lessons learned” exercise undertaken by ExAG and the possibility of incorporating remote assessment as an element of the overall peer assessment process which is already provided for in OD 032, via Video and teleconference provisions, subject to set criteria.**

**The meeting then formulated a policy on this transition back to face to face engagement and agreed to record the following decision.**

**Decision 2022/09**

The meeting agreed the following policy text prepared during the meeting:

*After 1 January 2023, the planning of Peer Assessments shall ensure that the Assessment Team assigned by the IECEx Secretariat conducts the audit in person unless otherwise provided for (for example, in an IECEx OD) or where the IECEx Lead Assessor determines that there are governmental sanctions, restrictions, advice or requirements that impinge such travel and informs the IECEx Secretariat of this determination.*

*After 1 January 2023, the planning of manufacturer/service facility audits shall ensure that the ExCB conducts the audits in person unless otherwise provided for (for example, in an IECEx OD) or if there are governmental sanctions, restrictions, advice or requirements that impinge such travel, in which case the ExCB shall record such situations for review at the next IECEx peer assessment. In case of doubt, the ExCB shall consult with the IECEx Secretariat.*

*The IECEx Secretariat shall monitor the issue of equity among the System (for example, to ensure that audit planning into the longer term is consistent with the spirit and intent of the above requirements.*

*Additionally, the ExAG and ExSFC are tasked to work on proposing additional guidelines for use of remote assessments of bodies and service facilities respectively and ExMC WG5 to work on updating OD 025 for the use of remote auditing of manufacturers. These proposals are to be first submitted for consideration by the Executive and then voting for approval to publish by correspondence by the ExMC.*

**6.6 Any other membership or general matters**

**None were raised.**

*[Secretariat Note: At this point in the meeting, Agenda Items 10 and 8.6 were dealt with prior to Agenda item 7]*

### 7 IECEx ASSESSMENTS OF ExCBs AND ExTLs

**7.1\* IECEx Assessment of ExCBs and ExTLs since 2021 ExMC Meeting**

**Document endorsed:**

**ExMC/1878/R** – Listing of ExCBs/ExTLs scope extension and assessment reports issued since the 2021 ExMC Meeting

**The Chair noted this item contained in the consent agenda and referred to Decision 2022/03.**

**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 Convener**

  **Documents considered/Approved:**

* **ExMC/1870/R** - Report from ExAG
* [**ExMC/1863/DV**](https://www.iecex.com/dmsdocument/4010) **–** Revision of IECEx OD 204
* **ExMC/1864/DV –** Revision of IECEx OD 205

**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 highlighting the recommendations and activities. These included:**

* **Examination of documents used for midterm assessment – reports and checklists. These were previously ODs but now reformatted and changed to F (form) documents.**
* **Processed one application for assessor (Hong Zhao – P R China) . This is now approved by ExAG.**
* **OD 003-2 now to be revised- related to the assessments and change of documents above. Will include some matters raised in ExTAG related to contracting.**
* **OD 032 – Assessment Guide to be revised to address on-line assessments and experience gained – also reflecting changes with remote assessment as discussed earlier in the meeting.**
* **Looking into provision of additional assessor training online.**

**The US raised Action 2022/5 from the report (ExMC/1870/R) and that this item is still to be addressed:**

**Action 2022/5**

IECEx Secretariat to investigate option of issuing the form for declaring national differences as an F form.

**The Secretary agreed that this would be recorded in the minutes, noting current work at the Secretariat on reactivating the project relating to National differences and the desire to move to an electronic/on-line solution for the IECEx Bulletin.**

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

**Decision 2022/13**

The meeting accepted a report from the ExAG Convenor, Dr Munro as circulated as ExMC/1870/R, supported the ExAG Recommendation #2 regarding the appointment of Hong Zhao as an Assessor and, via

**Decision 2022/14**

The meeting approved the revision of IECEx OD 204 as circulated as ExMC/1863/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, SG, SI, TR, UAE, USA, ZA

**Objections:** Nil

**Absent:** GR, NZ

**Abstaining:** Nil

**Decision 2022/15**

The meeting approved the revision of IECEx OD 205 as circulated as ExMC/1864/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, SG, SI, TR, UAE, USA, ZA

**Objections:** Nil

**Absent:** GR, NZ

**Abstaining:** Nil

**7.3** **Other Matters related to IECEx Peer Assessment Program**

No Decision recorded.

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 this item contained in the consent agenda and referred to Decision 2022/03.**

**8.2 ExTAG MATTERS**

**8.2.1 Report from 2022 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 (2022 Remote/ExTAG Chair Report) 01* **noting in particular the following**

* **ExTAG received a verbal report from the Secretary on the overview of the IECEx equipment scheme activities since the last meeting including the new promotional videos, training videos and the growth of the scheme.**
* **Dr Jim Munro gave a status report on the progress of ISO/IEC 80079-38 ed 2.0**
* **Bodies were reminded of obligations under Section 10.1 of IECEx 02 of cooperation. The Secretariat and ExTAG officers were requested to develop and maintain procedure on how to record and exchange feedback.**

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

* **The convenor of WG01 Mr Scott Kiddle presented his report which was discussed.**
* **Members approved of USNC proposal ExMC/1880/CD for the next ExMC meeting.**
* **ExTR proformas need not be implemented until the next project.**
* **WG03 – convenor representative Mr Ajay Maira introduced a discussion paper regarding electronic files and ExTAG WG03 to progress this matter with next revision of IECEx OD 017**
* **WG06 – convenor Mr Chris Agius reported on revision of IECEx OD 024**
* **WG10 - convenor Mr Tim Krause reported on status of recent proficiency testing program. WG10 shall conduct survey of ExTLs regarding upcoming programs on motor testing and terminal box testing. IECEx OD 202 Edn 4.0 was presented.**
* **WG12 – convenor Mr Jasmin Omerovic gave a verbal report and members noted publication of IECEx OD 207 Edn. 2.0**
* **WG14 – on behalf of convenor Paul Kelly, Kay Holdredge informed members on activities of WG14 regarding application of IEC TS 60079-46.**

**Dr Lienesch reported that IEC TC31 Chair Martin Thedens gave a report on standards development and maintenance matters with in TC31. ExTAG thanked last IEC TC 31 Liaison Mr Mark Coppler for his work over the years.**

**ExTAG supported a recommendation to ExMC to explore cooperation with IRENA (International Renewable Energy Agency) given the work associated with Hydrogen Technologies.**

**.**

**Dr Lienesch, then reported of the ExTAG work on ExTAG Decision Sheets;**

* **Four new published decision sheets published since 2021 meeting.**
* **Decision sheets now up for 5 year review were introduced.**
* **Deputy Chair Jasmin Omerovic introduced draft version A of IECEx OD 035 for further work prior to submission to ExMC for approval.**
* **ExTAG decision sheets in progress and it was agreed to**
	+ **Publish draft DS on IEC TS 60079-46 Equipment Assemblies**
	+ **Withdraw draft DS on impact tests (ExTAG/674/CD)**
	+ **Publish draft DS on Dielectric strength test (ExTAG/678/CD)**
	+ **Withdraw draft DS on independent types of protection (ExTAG/678/CD)**
	+ **Publish draft DS on Disapplication of Clause 7 of IEC 60079-0**

**Dr Lienesch also advised ExTAG recommended to ExMC that ExTAG continue previous work with OIML and that IEC CAB to be advised of IECEx’s interest in participation in CASCO activities on remote audit guidance via Mr Jasmin Omerovic as representative.**

**ExTAG members agreed on the preference to convene the next meeting of ExTAG in conjunction with the next ExMC meeting.**

**The Chair thanked Dr Lienesch for his report and invited the meeting to raise any questions or comments.**

**Dr Jim Munro suggested some changes to the ExTAG chair report – concerning clarification of a statement about proficiency testing, IECEx OD 202 Ed 4.0 and subcontracting. This was emailed to Dr Frank Liensch, he accepted it and incorporated into the ExTAG chair report.**

**With support for his report the meeting agreed to record the following decision.**

**Decision 2022/16**

The meeting noted the report from Dr Frank Lienesch, ExTAG Chair on the September 2022 ExTAG (Ex Testing and Assessment Group) Meeting. The meeting then endorsed the work of the ExTAG and agreed to the ExTAG’s Recommendations summarised as follows:

1. that the Secretariat investigate a mechanism for automatic notifications to stakeholders of revisions to IECEx publications
2. that the ExMC formalise the ExTAG’s appreciation of the excellent work and support of ExTAG by the now retired IEC TC 31 IECEx Liaison, Mr. Mark Coppler and extend our wishes to him for all the best for his retirement.
3. that the ExMC explore cooperation with IRENA regarding the hydrogen economy.
4. that the ExMC continue the previous work with OIML on metrology
5. promotion of IECEx’s interest in CASCO activities on remote audit guidance via participation by Mr. Jasmin Omerovic as representing all IEC Conformity Assessment Systems.

*[Secretariat Note: Report from the ExTAG Chair presented to ExMC, is issued as ExTAG (2022 Remote/ExTAG Chair Report) 01 on the IECEx 2022 Meeting website under Green Papers]*

**8.2.2 Any other ExTAG Matters**

**None raised.**

**8.2.2.1 Updating of Decision Sheet Hyperlinks to issued ExTR Blanks – Comment from US.**

**Document considered:**

* **ExMC/1880/CD** – Matter raised by US

**The Chair checked with the USNC that the matters raised in the above document were covered during the recent ExTAG meeting, with the US confirming this and the meeting agreeing to record the following decision.**

**Decision 2022/17**

The meeting noted that the outcome of ExTAG discussions on ExMC/1880/CD have satisfied the USNC/IECEx.

*[Secretariat Note: At this point in the meeting Agenda Item 13.1 was dealt with prior to Agenda item 8.3]*

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

**Documents considered/Approved:**

* **ExMC/1857/RM** – Report on 2022 ExMC WG1 Meeting
* **ExMC/1858/DV** – Draft Revision of IECEx 02
* **ExMC/1859/DV** – Draft Revision of IECEx OD 009
* **ExMC/1860/INF** – Background to Revisions to IECEx 02 and OD 009
* **ExMC/1861/DV** – Draft Revision of IECEx OD 209
* **ExMC/1888/CD** – USNC/IECEx Comments to ExMC/1858/DV

**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.**

* **IECEx02 Edn 8.0 had been approved.**
* **Further revisions and amendments to address comments from DK, IR & US outlined in ExMC/1799/RV – this was voted on.**
* **US NC invited to submit proposals for further changes to IECEx 02 given their negative vote for above.**
* **Adhoc group formed for review of Clause 8.3.7 of IECEx 02**
* **Report and proposed revisions from Dr Munro convenor of ExMC WG18.**

**In regards to OD 009, Mr Cole said that Mr Amos was charged with preparing a draft revision Ed 4.4 to include suggestions by Dr Munro. This ed is yet to be voted on.**

**Mr Cole noted the work done on revising OD 209, including considerations of suggestions from TestSafe AU and Mr Brenon FR and outcomes of ExMC WG1 discussions as well as proposed revisions from Dr Munro. He requested the meeting approve the latest revision.**

**The Chair opened the meeting for discussion and FR highlighted their proposal for the application of Decision 2021/05 from the WG regarding listing of ATF scopes, with the meeting determining that additional information was required to consider the rationale for this inclusion and discuss within WG1.**

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

**Decision 2022/19**

The meeting accepted a report from Mr Marty Cole, ExMC WG1 Convener contained in Document ExMC/1857/RM, assigned the following Actions arising from discussions on the report:

ACTION: ExMC WG1 to reconsider the FRNC proposal for the application of Decision 2021/05 (and FRNC to also provide details of the problem to be solved by the proposal) regarding the publication of ATFs scopes (perhaps via a register similar to that used in accordance with IECEx OD 024).

and, via:

**Decision 2022/20**

The meeting approved the revision of IECEx 02 as circulated as ExMC/1858/DV and agreed that the revisions requested by the USNC as ExMC/1888/CD shall be considered by ExMC WG1 for a further revision at a later date.

**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, SG, SI, TR, UAE, USA, ZA

**Objections:** Nil

**Absent:** GR, NZ

**Abstaining:** Nil

**Decision 2022/21**

The meeting approved the revision of IECEx OD 009 as circulated as ExMC/1859/DV.

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

**Objections:** Nil

**Absent:** GR, NZ

**Abstaining:** NL

**Decision 2022/22**

The meeting approved the revision of IECEx OD 209 as circulated as ExMC/1861/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, SG, SI, TR, UAE, USA, ZA

**Objections:** Nil

**Absent:** GR, NZ

**Abstaining:** Nil

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

**The Chair invited ExMC WG2 Convenor Ms Katy Holdredge to give a verbal report on WG2.**

**Ms Holdredge reported;**

* **WG2 has not met since the last ExMC meeting but plan to meet remotely in mid October 2022**
* **This planned Meeting will discuss the following;**
	+ **IEC 60079-5 Edn 4.1**
	+ **IEC 60079-31 Edn 3.0**
	+ **Changes in the number of mandatory test capabilities – DEKRA proposal**
	+ **Possibly an update to the TCD depending the outcome of the work on Hydrogen – OD 290**

**Decision 2022/23**

The meeting accepted a verbal report on the current and planned work of ExMC WG2 from the Convener, Ms Katy Holdredge in which it was advised that ExMC WG2 will next meet on 20th October 2022.

#### **8.5 ExMC WG13 – IECEx Business Development**

**Documents discussed/considered:**

* **ExMC/1862/RM** – Report on 2022 ExMC WG13 Meeting

**The Chair asked ExMC WG13 convenor Mr Marty Cole to present his report.**

**Mr Cole gave a summary of items discussed at the last WG13 meeting that included**

* **Confirmation of the terms of reference for the working group and representation membership requirements.**
* **Adjustments for the business plan**
* **Discussion on performance indicators and what was applicable and suitable.**
* **Additional information to be included in the IECEx Annual Report Section 2.**

**The meeting appreciated the report from Mr Cole and agreed to record the following decision.**

**Decision 2022/24**

The meeting accepted a report from Mr Marty Cole, ExMC WG13 Convener contained in Document ExMC/1862/RM and supported the Recommendation to ExMC in the report. In response to the request to the ExMC members for input to ExMC WG13 on KPIs, the meeting agreed that this can be provided to ExMC WG13 via the Secretariat.

*[Secretariat Note: Agenda Item 8.6 was dealt with earlier in the meeting, prior to Agenda item 7]*

**8.6 IECEx application to the Hydrogen economy**

Members received a report from Dr Arnhold on the activities of ExMC Working Group WG 19, Application of IECEx to the Hydrogen Economy. Members will also be asked to approve new OD 290 *Harmonised procedures for IECEx Certification of Equipment, Components and Systems associated with the production, dispensing and use of gaseous Hydrogen*

**Documents Considered/Approved:**

* **ExMC/1868/R –** Report from WG19 Convener
* **ExMC/1842/CD –** Draft new IECEx OD 290
* **ExMC/1851/CC –** Compilation of Comments
* **ExMC/1842A/DV –** Revised Draft IECEx OD 290 for approval
* **ExMC/1875/Inf –** ExTR Blank “Addendum\_1A for H2 Dispensers”
* **ExMC/1885/CD –** US Comments

**The Chair invited Dr Thorsten Arnhold (DE) to present his report, explaining the formulation of OD 290. He noted that OD 290 is intended to be used purely as an interim measure until the respective standard ISO 19880-2 is published.**

**Dr Thorsten advised that the working group commenced just after the 2021 ExMC meeting. Three on-line meetings were held since September 2021. Additional meetings were held between WG19, Chairs of IECEx & IEC TC31 with experts from ISO TC 197 “Hydrogen Technologies” & IEC TC105 “Fuel Cells”.**

**Dr Thorsten informed about the survey conducted by WG19 of the ExCBs as part of the business case proposal and discussions that were held with the CAB.**

**Three Task teams were created and their work described;**

* **Task Group 1 – for the additional IECEx Unit of Competence**
* **Task Group 2 – integration of ISO TC 197 standards**
* **Task Group 3 - Integration of IEC TC 105 standards**

**He also spoke about the recent workshop hosted by IRENA (International Renewable Energy Agency) where the IECEx Secretary was a panelist.**

**He concluded with the list of recommendations that ExMC WG wished to put to the meeting.**

**The Chair then called on Ms Katy Holdredge to present the USNC comments as per ExMC/1885/CD. There were four items raised;**

1. **A recommendation to referencing the draft ISO 19880-2 standard rather than embedding requirements in Annex A of OD 290**
2. **That comment US-3 in ExMC/1851/CC was not fully addressed but this could be rectified by adoption of item 1.**
3. **That comment US-11 in ExMC/1851/CC not fully addressed. USNC proposed that draft ISO 19880-2 ExTR be completed for specific component parts and an additional sentence be added to clause 7.1**
4. **USNC proposes that future standards be approved by ExMC on a case by case basis.**

**The Chair then asked the Secretary to give an initial response to the USNC comments. The Secretary advised;**

* **The process followed in the ExCB survey, raising of the business case and discussions in CAB and the support for this work in IECEx.**
* **The initial focus of WG19 being on dispensing equipment.**
* **Discussions with the drafting group of ISO 19880-2, (ISO TC 197 Experts) whom advised that the current ISO DIS 19880-2 is to be replaced and that the tests listed in OD 290 are the proposals from the ISO TC 197 WG responsible for a future version of ISO DIS 19880-2**
* **Noting that IECEx certificates are already being issued covering H2 Dispensers using IEC 60079-46 standard on Assemblies where the dispensers are being treated as an assembly according to the scope of IEC 60079-46 but that a scheme document was necessary to ensure harmonisation among the ExCBs, with the draft OD 290 serving as this scheme document.**
* **There are presently about 16 certificates currently covering dispensing equipment already using IEC 60079-46.**
* **Discussions with the ISO TC197 group preparing ISO 19880-2 revealed that the draft ISO standard is to be replaced with a completely different edition and they requested that the current version of ISO DIS 19880-2 not be used.**
* **OD 290 has then been intended as a scheme document to be used by CBs & TLs when issuing certificates to IEC 60079-46. This is not a new approach and assists in providing consistency.**
* **It is also the intent of WG19 that once ISO 19880-2 is published that OD 290 be amended to replace the listed tests with a reference to ISO 19880-2**
* **It is expected that after publication of OD 290 that WG19 would continue their work to address further issues as they arise, including those raised from the US.**

**The Secretary emphasized that certificates would not be issued to show compliance with OD 290, However IECEx certificates would continue to be issued to show compliance with IEC 60079-46 BUT that ExCBs and ExTLs would be required to do so according to the process detailed in OD 290.**

**The Secretary further added that this is an identical approach used for issuing IECEx certificates to ISO 80079 series where OD 280 details how this is to be done including the details for conducting an ignition hazard assessment.**

**Indications from ISO TC197 indicate that the publication of ISO 19880-2 is still some time away. At that time OD 290 would be revised to refer to the ISO standard.**

**The Secretary then reminded the meeting of the consultation process used within IECEx to arrive at this final draft for voting;**

* **Document ExMC/1842/CD was initially issued for comment by ExMC members with a closing date of 24 June 2022**
* **Comments from 9 Countries received was compiled in ExMC/1851/CC**
* **WG19 then considered each of the comments received and prepared an updated version as ExMC/1842A/DV issued 26 July 2022**

**US also raised the concern of document distribution timeline according to IEC 01 Basic rules advising that the issuing of this document for approval at this meeting fell short of the 8 week requirement and felt they needed more time to consider the final document.**

**While the Chair presented a number of options to progress this matter, it was agreed to allow the additional time requested to forward the draft for voting via correspondence to allow the additional 45 days of voting, with the meeting agreeing to record the following decision.**

**Decision 2022/11**

The meeting accepted a report (as circulated as ExMC/1868/R) from Dr Arnhold, ExMC WG19 Convenor on the activities of *ExMC Working Group WG 19, Application of IECEx to the Hydrogen Economy* and after further discussion on the USNC comments (as circulated as ExMC/1885/CD) took the following Decision:

**Decision 2022/12**

The meeting noted the comments submitted by the USNC as ExMC/1885/CD and then agreed that the USNC be provided time for additional consideration via an ExMC vote by correspondence for approval of publication as Edition 1.0 of IECEx OD 290.

ACTION: IECEx Secretariat to work with ExTAG WG01 to update ExMC/1875/INF to make appropriate reference to the forthcoming ISO DIS 19880-2.

ACTION: IECEx ExMC WG19 to consider the need for any retrospectivity of IECEx OD 209 to equipment previously certified to IEC TS 60079-46

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

**The Chair asked the meeting if there were any matters the members wished to raise here.**

**US Ms Holdredge asked if a new ExTL or ExCB wished to use OD 290 once published would an assessment of them be required.**

**The Chair asked the Secretary to respond.**

**The Secretary responded that OD 290 included guidance for new bodies and for scope extensions. Also WG 19 would also monitor the ongoing use of OD 290.**

**The Chair also mentioned the work being done in competency assessment for hydrogen.**

**Dr Jim Munro suggested that when Form F003 was revised it should include some reference to OD 290.**

No Decision recorded.

1. IECEx CONFORMITY MARK LICENSE SYSTEM, 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 2022/25**

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

**Document noted/discussed:**

* **ExMarkCo/01R/Inf –** ExMarkCo membership

**Mr Duffy as ExMarkCo Chair said that the committee had not met since the last ExMC meeting but had done significant work both in monitoring misuse of the trademark and the IECEx brand and taking appropriate action as well as continued work in International Registrations of the IECEx Trademark.**

**He then presented the report from the IECEx Marks Committee via a power point presentation, available from the IECEx 2022 meeting website, detailing the following items:**

* **List of ExCB Mark License issuing Bodies**
* **Current list of IECEx Mark Licenses**
* **Draft Mark licences**
* **Reminder of the Dubai 2019 ExMC Decision**
* **Progress with the new approach for the IECEx Mark Licensing Scheme**
* **Status of the worldwide registration of the IECEx TradeMark – single logo.**
* **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**
* **Membership vacancies.**
* **Notifications of Misuse**
* **Progress in IECEx Trademark Protection.**

**The Chair thanked Mr Duffy for his report and invited comments or questions, with none raised the meeting agreed to record the following decision.**

**Decision 2022/26**

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

ACTION: ExMC members to nominate representatives for the vacant positions on the ExMarkCo

ACTION: Secretariat and *ExMC WG17, Marketing* to communicate to members and other stakeholders on the new provisions and requirements of the IECEx Conformity Mark System.

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

No matters were raised.

No Decision recorded.

*[Secretariat Note: Agenda Item 10 was dealt with earlier in the meeting prior to Agenda item 7]*

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 this item contained in the consent agenda and referred to Decision 2022/03.**

**10.2 Report from the ExSFC Chair**

Members to receive a report from the ExSFC Chair, Mr Peter Thurnherr, concerning the work of ExSFC since the 2021 ExMC Meeting.

**Document noted/discussed:**

* **ExMC/1853/RM** – Report on the 2022 IECEx ExSFC meeting

**The Chair invited Mr Peter Thurnherr, ExSFC Chair to give a presentation on their 2022 meeting.**

**The presentation focused on the highlights of the report. These included**

* **Publication of OD 314-4**
* **The adoption of IEC 60079-19 Edition 4.0 for issue 0 certificates**
* **ExSFC Convenor John Allen to prepare a draft revision of OD 316-5**
* **Draft ExSFC decision sheets**
* **The new Service Facility Animation now available**
* **Preparing Specification for IECEx Online Certificate Scheme improvements**
* **Guidance notes for ExAG on audit requirements of certified service facilities.**

**The Chair thanked Mr Thurnherr for his report and invited comments or questions with none raised and the meeting agreeing to record the following decision.**

**Decision 2022/10**

The meeting accepted a presentation from Mr Peter Thurnherr, ExSFC Chair that highlighted a number of items in the report on the 2022 ExSFC meeting as circulated as ExMC/1853/RM.

11 IECEx CERTIFICATE OF PERSONNEL COMPETENCE SCHEME, IECEx 05

**11.1 Report from the ExPCC Chair**

**Document considered/approved:**

* **ExMC/1854/RM** – Report on the 2022 IECEx ExPCC meeting
* **ExMC/1855/DV** – IECEx OD 503, Edition 5.0, *IECEx Scheme for Certification of Personnel Competence for Explosive Atmospheres - ExCB Procedures for issuing and maintaining IECEx Certificates of Personnel Competencies*
* **ExMC/1856/DV** – IECEx OD 504, Edition 5.0, *IECEx Scheme for Certification of Personnel Competence for Explosive Atmospheres – Specification for Units of Competence Assessment Outcomes*

**The Chair asked the ExPCC Chair Mr John Allen to present his report. Mr Allen gave the following report highlighting;**

* **The primary objective of the last committee meeting was the updating and alignment of our operating documents OD 503 & OD 504 which has been a long term objective. I would like to thank the members of WG 2 for their support completing this work.**
* **One change was to clarification the name and intent of Unit 001 (Principles of protection in explosive atmospheres knowledge) and to make it clear that this is a unit of knowledge and does not include any assessment of a competence to conduct practical work.**
* **Part of this work was to clarify the requirement in OD 503 to have a common methodology for how the practical demonstration of competence is conducted and assessed.**

**With support from IECEx WG19 a new unit of competence Unit Ex 011- Basic knowledge of safety of hydrogen systems was added to OD 504 and OD 503 amended to include this Unit of competence.**

**Following the ExPCC WG 2 meeting in June the final clarifications discussed during the ExPCC meeting were completed. The requirement for specific units of competence for responsible person would be maintained in this edition of OD 504 and OD 503, if the requirements in IEC 60079-14 and -17 change such changes can be addressed when these documents are published.**

**For Unit 005 (Overhaul and repair of explosion protected equipment) the requirements for responsible person is clearly defined within IEC 60079-19 however it was agreed that the certification system shall be amended, such that separate certificates of competence for Unit 005 as an operative and as a responsible person shall be produced to clarify the level of certification granted.**

**The move to a software selection of questions from the question bank progresses slowly however the final review and fix of the question bank has been delayed but should be completed this year.**

**The translation of the question bank into languages other than English was discussed as detailed in ExMC/1854/RM.**

**No register of assessment centres was recommended as this falls under the responsibility of the IECEx ExCB’s and will be assessed during audits.**

**The establishment of an online training record was not supported by ExPCC.**

**In conclusion Mr Allen thanked the members of the ExPCC and its WGs and invited any questions or comments.**

**In conclusion the meeting agreed to record the following decisions**

**Decision 2022/27**

The meeting accepted a report from Mr John Allen, ExPCC Chair on the 2022 ExPCC meeting as circulated as ExMC/1854/RM and, via:

**Decision 2022/28**

The meeting approved the revision of IECEx OD 503 as circulated as ExMC/1855/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, SG, SI, TR, UAE, USA, ZA

**Objections:** Nil

**Absent:** GR, NZ

**Abstaining:** Nil

**Decision 2022/29**

The meeting approved the revision of IECEx OD 504 as circulated as ExMC/1856/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, SG, SI, TR, UAE, ZA

**Objections:** Nil

**Absent:** GR, NZ

**Abstaining:** USA

11.2 Any Other Matters relating to IECEx CoPC Scheme

No other matters were raised.

No Decision recorded

12 IECEx SYSTEM – GENERAL MATTERS

12.1 IEC / ILAC / IAF Cooperation

**Document noted/discussed:**

* **ExMC/1606/Inf** – IEC Admin Circular AC 23/2020

The Chair noted this document was discussed during the ExTAG meeting and no matters were raised.

**Decision 2022/30**

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 Chair noted the request from ExTAG to re-activate the JWG between IECEx and OIML along with the request to explore cooperation with IRENA International Renewable Energy Association.

No Decision recorded other than previous Decision 2022/16 in which ExMC agreed with the ExTAG proposal to re-activate cooperation with OIML.

12.3 Any other General Matters

No general matters were raised.

No Decision recorded.

12.3.1 Request for ExCB Area of IECEx Website

**Document considered:**

* **ExMC/1881/INF –** US Proposal

The Chair invited Ms Katy Holdredge to present the US proposal.

The proposal was for an additional field in the IECEx website in the ExCBs area to contain certification requirements. This would be a hyperlinked document similar to that in the IECEE scheme. It could also contain information on national rules.

UK supported the idea – but wondered if the Secretariat should have some vetting power to control the content.

The Chair passed the meeting to the Secretary who said he had Mr Geoff Slater, Compliance Manager to review the proposal.

Mr Slater showed the meeting the IECEE website and the location of the information there, noting that about 60% of the bodies there used the facility.

The Secretary proposed an alternative whereby the IECEx webpage would contain a link to ExCBs websites where they could maintain their own information.

FR asked questions about the content, US said it primarily about local certification requirements.

AU supported the idea of CBs managing the content through a link to their own website.

The US said an important reason for having the national rules information on the IECEx website is for meet the requirements of Clause 10.2 of IEC CA 01.

The US supported the Secretariat to examine the legal issues associated with this proposal and the following decision and action were agreed.

**Decision 2022/31**

The Meeting supported the objectives of the USNC proposal (ExMC/1881/CD) for additional information and felt that this could be made available on the IECEx website via a simple link to this information on the ExCB’s own website (noting the need for ExCBs to provide and maintain the currency of information, the need to ensure correct use of this tool for the intended objectives, and the need to respect any IEC legal restrictions on the publication of national laws information by IECEx).

ACTION: Secretariat to research IEC legal issues and to report this as input to further discussions on the USNC proposal at the next IECEx Executive meeting in Feb 2023.

12.3.2 Request for Modifications to Standards List on IECEx Website

**Document considered:**

* **ExMC/1889/INF –** US Proposal

The US presented the proposal and the following decision and action were agreed.

**Decision 2022/32**

The Meeting noted that the items in the USNC proposal (ExMC/1889/CD) for amendments to the IECEx website have been completed however there remains a need to revise the title of the page to “Standards Operated by the IECEx”. The meeting also noted and supported the current work underway on an online version of the IECEx Bulletin

13 WORKING GROUP REPORTS (not covered elsewhere in the Agenda)

[Secretariat Note: Agenda Item 13.1 was dealt with earlier in the meeting prior to Agenda item 8.3]

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

**The Chair invited Dr Lienesch to give a report on ExMC WG8. He reported that they had not had a meeting in the last 12 months – the main reason being the UNECE Working Party 6 has been on hold for almost 2 years. In June that group had a restart. Dr Liensesh said the discussions with UNECE Working Party 6 included the following:**

* **That the UN Sustainable development goals 7,8,9 were the most applicable to the IECEx scheme.**
* **The UNECE appreciated the work presently being done by the working Group**
* **Issues with the adoption of Hydrogen technologies and present lack of regulations and standards in this area.**
* **Promotion of the IECEx as an important scheme with the UNECE for Hydrogen Technologies.**

**The Secretary noted that there was a lot of work being done in CAB to map IECEx conformity activities against each of the SDGs. He suggested that he and Dr Lienesch discuss these matters further.**

**The Chair thanked Dr Leinesch for his report and invited questions or remarks with the meeting agreeing to record the following decision.**

**Decision 2022/18**

The Meeting accepted a verbal report from ExMC WG8 Convener, Dr Lienesch on the current status work of ExMC WG8 regarding UNECE initiatives and the UN Sustainable Development Goals (SDGs).

13.2 ExMC WG 17, Marketing

**Document noted/discussed:**

 **ExMC/1866/R** – ExMC WG17 Meeting Report

The Chair asked the ExMC WG17 Convenor Dr Thorsten Arnold to present his report.

**Dr Arnold said there had been no meeting since the last ExMC meeting but there had been many marketing activities initiated by the group from the previous meeting. Some these included**

* **The three animated videos for each of the three Schemes, Equipment / Services and CoPC have all now been recently completed and released.**
* **Articles in E-Tech magazine**
* **Articles in HAZARDEX magazine.**

**The Secretary noted the good feed back received about the videos produced and reminded ExCBs that they could get their own logos on the videos for use on their websites.**

**The Chair thanked Dr Arnhold and the WG17 for their work calling on ExMC members to consider membership of the marketing WG17. In conclusion the meeting agreed to record the following decision.**

**Decision 2022/33**

The Meeting accepted a report from ExMC WG17 Convener, Dr Arnhold on the work of ExMC WG17 as circulated as ExMC/1866/R and appreciated the work of ExMC WG17 especially in regard to the animated videos.

13.3 ExMC WG 18, Technical Revision of OD 233

**Documents considered/Approved:**

* **ExMC/1871/R** – ExMC WG18 Meeting Report
* **ExMC/1867/DV –** Revision of IECEx OD 233

The Chair asked ExMC WG Convenor Dr Jim Munro to present his report.

Dr Munro reported that

* The working group had produced a new revision of OD 233
* A key discussion point was the definition of an independent verifier and how that role is applied for the purposes of the IECEx. These are defined in the report.
* **Recommendations were made for revision to the ExTR blank for IEC 60079-33. These may need some further discussion when the OD is approved.**
* **Recommendations were made to the convenor of IEC TC 31 MT 60079-33 for the next edition of that standard.**
* Recommendations were made to ExMCWG1 for revisions to IECEx02 & OD 009

The Chair thanked Dr Munro for the report and invited comments and questions with none raised the meeting agreed to record the following decisions.

**Decision 2022/34**

The Meeting accepted a report from ExMC WG18 Convener, Dr Munro on the work of ExMC WG17 as circulated as ExMC/1871/R and, via:e

**Decision 2022/35**

The meeting approved the revision of IECEx OD 233 as circulated as ExMC/1867/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, SG, SI, TR, UAE, USA, ZA

**Objections:** Nil

**Absent:** GR, NZ

**Abstaining:** Nil

13.4 ExMC WG 05 – Assessment and Auditing of Manufacture’s Quality System – Update

**Document considered:**

* **ExMC/1884/CD** – AU Proposal

The Chair handed over to the Secretary who noted that the current Convenor of the ExMC WG 05, Mr Roy Teather of US is retiring this year and is stepping down as Convener of WG5.

The Chair noted that Mr Teather started attending IECEx meetings back in 2012 and took over as Convener of WG5 in 2017 and since then has been instrumental in the WG5’s maintenance of the ODs associated with auditing of manufacturers quality systems.

The meeting noted that the AU Proposal was for the reactivation of the working group and the proposal to appoint of Mr Geoff Barnier as Convenor.

The Chair invited comments or questions with the meeting indicating their support for the AU proposal along with expressing their appreciation for the work done by Mr Teather as WG5 Convener and agreed to record the following decisions.

**Decision 2022/36**

The Meeting supported a proposal from AU (as circulated as ExMC/1884/CD) regarding the re-activation of ExMC WG05 and the appointment of Mr Geoff Barnier (AU) as Convener.

Mr Colin Cameron volunteered and was accepted as a new member of ExMC WG5.

**Decision 2022/37**

The Meeting recorded their thanks and appreciation for the leadership and efforts of Mr Roy Teather as the ExMC WG5 Convenor since 2017.

14 IEC TC31 MATTERS

**14.1 Report from IEC TC31**

**Documents considered/Approved:**

* **ExMC/1890/R**– **TC31 Report**

**The Chair invited Dr Martin Thedens to present his report as TC 31 Chair.**

**Dr Thedens summarised the number of meetings recently held and highlighting the following TC 31 Decisions**

* **Decision 18 – TC 31 decided to circulate a Q document asking NCs if the draft of IEC TS 60079-44 (31/1573/CD) satisfies the intent of the new work item proposal (31/1304/NP), and whether it should proceed in this form**
* **Decision 19 -** **TC 31 supports the recommendations of the TC 31 CAG to create a “general requirements document” as IEC 60079-29-0 for detection and measurement of flammable, toxic, and oxygen gases.**
* **Decision 20 - TC 31 supports the recommendation of the TC 31 CAG to include requirements for the safety monitor aspects of oxygen and toxic gas detectors within the IEC 60079-29 series. Health monitor aspects should remain within the IEC 62990 series**.
* **Decision 23** - **TC 31 recommends that the next edition of IEC 60079-0 should promote higher ambient temperature requirements due to the impact of climate change.TC 31 recommends that the ambient temperature range should always be identified and that the option to not identify the ambient temperature range for -20°C to +40°C be removed.**

**He outlined some of the resolutions made including**

* **Thanking Mark Coppler for his role as IECEx / TC 31 Liasion**
* **Limitations in the requirements and guidance in IEC TS 60079-44**
* **Acceptance of AG55 recommendations to remove specificate conditions of use from iEC 60079-0in documentation without ‘X’ warning.**
* **Supporting recommendation from MT 60079-7 & MT 60079-14 to establish an ahG for ‘ec’ Ex Equipment Enclosures.**
* **Inclusion of additional guidance material in the GWP.**

**He noted the dates for future TC31 meetings.**

**He also invited IECEx to make presentations at the TC 31 meetings.**

**He also summarised some other matters of interest to the IECEx including the new secretary of TC 31 Tom Stack.**

**The Chair thanked Dr Thedens for his report and invited comments or questions and the following decision was recorded.**

**Decision 2022/38**

The Meeting accepted, with thanks, a report submitted as ExMC/1890/R by the IEC TC31 Chair, Dr Martin Thedens on IEC TC 31 activities and work since the 2021 ExMC

meeting.

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

**Documents considered/Approved:**

* **ExMC/1891/R** – **IEC T31 Liaison Report**

**The Chair invited Dr Martin Thedens to give the above report on the behalf of Mr Mark Coppler who has now retired.**

**Dr Thedens presented the report with the meeting noting specifically:**

**That the last meeting was held in 2019 before COVID-19.**

**Since that time ten ExTAG Decision Sheets have been run through the liaison process according to OD 035.**

**AG55 Specific Conditions of use group will be submitting a report to TC 31 in October 2022.**

**The Chair thanked Dr Thedens for the report with the meeting agreeing to the following decision being recorded.**

**Decision 2022/39**

The Meeting accepted, with thanks, a report submitted as ExMC/1891/R by the IEC TC31/IECEx Liaison and JWG 50 Convener, Mr Mark Coppler and presented by Martin Thedens as the interim Liaison*.* The meeting also appreciated the long standing work of Mr Coppler as the IEC TC31 / IECEx Liaison.

**15 REGIONAL REPORTS**

**15.1 Reports**

**Documents for noting/consideration:**

* **ExMC/1882/INF** – BR Report
* **ExMC/1886/Inf** – US Report

**The Chair invited reports from the members with the meeting receiving the following reports:**

**Brazil Report**

**BR presented their report that highlighted three main areas**

1. **Changes in Regulation and Ordinance and discussions with INMETRO – the Brazilian Regulator and Accreditation body.**
2. **Advertising and Marketing – with the creation of material to publicize the IECEx system**
3. **IECEx certificates evolution – noting growth in the personnel scheme.**

**Decision 2022/40**

The Meeting accepted a report from Mr Giovanni Hummel Borges on behalf of the Brazilian NC as circulated as ExMC/1882/INF.

**US Report**

**The US presented their report with the following items noted:**

* **Changes in the OSHA NRTL program will now be effective from 1st October that allow increased acceptance of inspections and test data from organisations that are IECEx CBs and TLs**
* **Marketing work of the USNC with the US Regulators – US Coast Guard, Bureau of Safety and Environmental Enforcement as well as the Mine Safety and Health Administration.**
* **A US Office of Foreign Assets Control Disclaimer that will be put on IECEx Test Reports.**
* **The US NC congratulates the 2022 recipients of the IEC 1906 Award as IEC CA SYSTEMS EXPERTS, nominated by the IECEx, Mr. Paul Kelly (US) and Mr. Ajay Maira (AU).**
* **US NC expressed sincere gratitude for the work of Mark Coppler as noted earlier in the meeting**
* **USTAG has recently circulated a national differences document for IEC TS 60079-46.**

**Decision 2022/41**

The Meeting accepted a report presented by Mr Scott Kiddle on behalf of USA as circulated as ExMC/1886/INF.

**UK Report**

**Mr Cameron presented the UK report detailing the latest changes with BREXIT particularly with dates for compliance being put back. He noted that**

* **The UKCA marking is now up and running.**
* **CE marking still permitted until end December**
* **EU-Type examination certificates obtained before 31 December 2022 will be valid until 31st December 2027**
* **UK designated standards are currently the EN Standards – not BS EN**
* **Spares for repair, replacement and maintenance will continue to be permitted**
* **Rules for Northern Ireland are different.**

**The report also contains some useful UK government links for further information.**

**The US asked if this report would be published as a green paper and the Secretary replied in the affirmative.**

**Decision 2022/42**

The Meeting accepted a report (to be published as a Green Paper) from Mr Cameron on behalf of GB regarding BREXIT and the impact of this on certification activities and requirements in the UK.

*[Secretariat Note: Report published as ExMC (2022 Remote/UK Report)01 on the 2022 IECEx Meeting Website]*

**EU ExNB Group For ATEX**

**Mr Omerovic, ExNB Chair, presented a report (to be published as a green paper)**

**Items noted:**

* **Clarification sheets published**
* **Applicability of IECEx TAG Decision sheets as EXNBG Clarification Sheets**

**Decision 2022/43**

The Meeting accepted a report (to be published as a Green Paper) from Mr Jasmin Omerovic (ExNBG Chair) on behalf of ExNBG.

*[Secretariat Note: Report published as ExMC (2022 Remote/ExNB Report) 02 on the 2022 IECEx Meeting Website]*

16 FINANCE

**16.1 Accounts and Budgets**

**16.1.1****Approval of the 2021 Audited Accounts**

**Document for consideration:**

**ExMC/1833/DV** – 2021 Audited accounts

**The IECEx Treasurer, Professor Xu Jianping gave a detailed Presentation of the Financial situation of the IECEx including the 2021 Audited accounts as detailed in ExMC/1833/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 1.88 x annual expenses. He also noted that for 2022 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 2021 accounts highlighting the following key points:**

**Total System Income = CHF 1’655’651 , (≈3.7% below budget)**

* **Annual dues in line with budget**
* **Certificate fees - CoPC - 13% above budget,**
* **Certificate fees – Equip. - 12% below budget, 1.4% below 2020**
* **Certificate Fees – Services – 23% above budget, 29% above 2020**
* **RTP Fees – 80% above budget, due to new bodies joining**
* **Conference deferred for 2021 but not this year due to COVID-19**
* **Assessment Fees – Invoicing of ExCBs + ExTLs**

**Total Operating Expenses = CHF 1’307’941 (≈ 16.8% Below Budget)**

* **Costs of Miscellaneous legal and audit increase (mostly trademark applications)**
* **All items in line or below budget**
* **No Conference/ No Travel – so no expenditure**
* **Special Projects includes IECEx website enhancements**
* **Corresponding expense for assessments to Assessor Organisations**

**A total of CHF 2’575’047 as general reserve at end 2021, which includes the CHF 300K designated reserve for innovation and promotion.**

**He then reported on the expected forecast for remainder of 2022 taking into account the covid-19 pandemic, which continues to show IECEx in a strong financial position.**

**Professor Xu Jianping then detailed the 2024 – 2025 Financial Outlook (ExMC/1830/CD) as a proposed setting for the draft 2024 Budget preparations. It assumes there are no major COVID-19 issues arising.**

**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 recommended that the 2021 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.**

**Some questions were raised about the IEC Global Impact Fund but the Chair suggested that they would be answered by the presentation during agenda item 16.4**

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

**Decision 2022/44**

The meeting, in noting the 2021 Audited Accounts in Document ExMC/1833/DV, approved that they be referred to the 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, SG, SI, TR, UAE, USA, ZA

**Objections:** Nil

**Absent:** GR, NZ

**Abstaining:** Nil

**16.1.2\* Approved 2023 Budget**

**Document noted**

* **CAB/2175A/DV -** IECEx Budget for 2023, as previously approved by CAB

**The Chair noted the meeting’s agreement to the consent agenda and referred to Decision 2022/03.**

Refer Decision 2022/03 regarding the Consent Agenda items.

**16.2 IECEx 2025 Forecasted Draft Budget Guide**

**Document noted/consideration:**

* [**ExMC/1830/CD**](https://www.iecex.com/dmsdocument/3968) **–** Financial Outlook Guide to 2025
* [**CAB/2194/DC**](https://www.iecex.com/dmsdocument/3990) **–** Financial Outlook Guide to 2025 as presented to CAB

**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 2022/45**

The meeting considered a financial outlook to 2025 prepared by the IECEx Executive (as circulated as ExMC/1830/CD) in accordance with the new Swiss GAAP accounting principles and noted that this document has been prepared taking into account the 2021 audited accounts and 2022 and 2023 Approved Budgets. It is intended that this will be used as guidance when preparing the draft formal budget for 2024.

**16.3\* IECEx System Participation Fees**

**Document noted**

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

**The Chair noted the meeting’s agreement to the consent agenda and referred to Decision 2022/03.**

Refer Decision 2022/03 regarding the Consent Agenda items.

###  16.4 IEC Global Impact Fund

**Document Noted/considered**

* [**ExMC/1869/CD**](https://www.iecex.com/dmsdocument/4036) **–** IEC Global Impact Fund

**The Chair invited Ms Katherine Fraga to give the presentation on the IEC Global Impact Fund.**

**The presentation included information on**

* **What the fund was and its purpose**
* **The importance of the fund**
* **How it will work and funding model**
* **Focus of the fund**
* **Documentation for implementation**
* **The first project**
* **How IECEx will benefit from it**
* **IECEx contributions to the fund as well as other IEC entities.**
* **Details on the launch video**

**The meeting also noted that the introduction of the Global Impact Fund was an initiative of the IEC Board.**

**During discussion, it was noted that some members had concerns about the IEC funding model and agreed to submit any concerns to the IECEx Secretary for him to raise at the next IEC Treasurers meeting in Geneva at the end of the year.**

**The Chair highlighted that this GIF could provide some promotional benefits to the IECEx and called on WG17 ”Marketing WG” to consider opportunities for IECEx.**

**The Chair thanked Ms Fraga for the presentation and the following decision was recorded**

###  Decision 2022/46

The members expressed thanks to representatives from IEC Secretariat for their presentation to this meeting on the IEC Global Impact Fund and noted the IEC Board’s Decision to launch the IEC Global Impact Fund as an IEC initiative that provides grants for the implementation of solutions that address specific global environmental, governance and societal challenges based upon IEC International Standards and Conformity Assessment Systems (refer ExMC/1869/CD)

ACTION: ExMC WG17 to identify and exploit opportunities for positive outcomes for IECEx

from the IEC GIF

**16.5 IEC Statutory Financial Statement**

**Document noted**

* [**ExMC/1887/Inf**](https://www.iecex.com/dmsdocument/4085) **–** Auditors report of the IEC Statutory Financial Statements 2021

**The Chair noted that the IEC Treasurer, Mr Jo Cops requested that the consolidated accounts of the IEC, known as the IEC Statutory Financial Statements, as to be presented to the IEC 2022 General Assembly, also be made available to Members of the IEC CA Systems for their information.**

The Chair stated this document was for information only and no decision was needed.

### 17 OTHER BUSINESS

**The Secretariat reported that ISO CASCO has created a technical group and is calling for nominations of individuals for this group. This will be made available as a green paper**.

**This was discussed at the ExTAG meeting. Any interested Members can request further information from the Secretariat.**

No Decision recorded.

## 18 REPORT TO CAB

No Decision recorded.

**19 NEXT MEETING**

**UK gave a presentation on next year’s meeting in Edinburgh. This presentation is available.**

**The Chair thanked Colin for his presentation and the work of the UK organising committee, He emphasised that that next year’s meeting will be face to face and there will be no virtual platform.**

**The meeting also noted future meetings and agreed to record the following decision.**

**Decision 2022/47**

The meeting noted that the future meeting schedule is as follows:

* 18th – 22nd September 2023: Edinburgh, Scotland, UK
* 2024: Brazil
* 2025: Japan

and appreciated the presentation by Mr Cameron regarding details of the 2023 IECEx Meetings

### 20 CLOSE OF MEETING

**Meeting closed at 14:05 UTC on 9th September 2021, with the Chair thanking all delegates, members of the Executive and WG Conveners for their excellent contributions.**

**The Secretariat also thanked the Chair for his work and members for their attendance and contributions and declared the meeting closed at 14.05 UTC.**

### Annex A

**Consent Agenda Items**

**A1 Introduction**

The Table under A2 is a list of those Agenda items that were considered by the 2022 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**

|  |
| --- |
| **2022 ExMC Remote Meeting Consent Agenda** |
| **Agenda** | **Title** | **Documents** |
| 3 | **MINUTES OF THE LAST ExMC MEETING** |  |
| 3.1 | To note the Confirmed Minutes of the 2021 ExMC Online meeting | ExMC/1826A/RM |
| 4 | **OVERVIEW OF IECEx SYSTEM ACTIVITIES** |  |
| 4.2 | Appointment of IECEx Executive Secretary |  |
| 5 | **REPORT ON IEC CAB Matters** |  |
| 5.1 | To note CAB Decision Lists |  |
| 5.2.1 | Specific CAB Decisions from 50th Meeting | CAB/2146/DL |
| 5.2.2 | Specific CAB Decisions from 51st Meeting | CAB/2224/DL |
|  |  |  |
| 5.3 | IEC Conformity Assessment System’s Harmonised Basic Rules | IEC CA 01 Ed 2.5IECEx 01-S Ed 2.2 |
|  |  |  |
| 6 | IECEx MEMBERSHIP |  |
| 6.1 | Current Membership |  |
| 6.3 | New ExCBs and ExTLs accepted, via correspondence, since the 2021 ExMC Meeting | ExMC/1879/R |
|  |  |  |
| 7 | **IECEx ASSESSMENTS OF ExCBs AND ExTLs** |  |
| 7.1 | IECEx Assessment of ExCBs and ExTLs since 2021 ExMC meeting | ExMC/1878/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 2023 Budget | CAB/2175A/DV  |
| 16.3 | IECEx System Participating Fees | OD 019 Ed 7.3 |

**ANNEX B**

**Action Items from the 24thd Meeting of the IECEx ExMC 2022**

| **Item** | **Agenda Item** | **Actions Arising from the Meeting** | **By Whom** | **When** |
| --- | --- | --- | --- | --- |
| 1 | 3.2.1 | Actions from last meeting (ExMC/1877/R) Item 4 carries forward | Secretariat | Following the meeting |
| 2 | 4.1 | Routine audit of Secretariat by IECEx Chair as per IECEx OD 003-2 to be carried out and reported to next ExMC meeting | IECEx Chair | Prior to 2023 ExMC meeting |
| 3 | 4.3 | Report to CAB on the ExMC Nomination of Mr Paul Meanwell to serve a further term as IECEx Chair and seek CAB Approval | Secretariat | Following the meeting |
| 4  | 6.5 | Return to face to face engagements according to decision 2022/09 allowing for special conditions according to Decision 2022/09 | Secretariat to implement |  From 1 January 2023 |
| 5 | 7.2.1 | Formal appointment of Hong Zhao as an IECEx assessor | Secretariat to implement | Following the meeting |
| 6 | 7.2.1 | Document ExMC/1863/DV proceed to publication as revised edition OD 204 | Secretariat | Following the meeting |
| 7 | 7.2.1 | Document ExMC/1864/DV proceed to publication as revised edition OD 205 | Secretariat | Following the meeting |
| 8 | 7.2.1 | Investigating option for an F Form for Declaring National Differences as part of the consideration of an electronic/on-line solution to the IECEx Bulletin | Secretariat | Following the meeting |
| 9 | 8.2.1 | Implement action items arising from the ExTAG Chair report | Secretariat | Following the meeting |
| 10 | 8.3 | ExMC WG1 to reconsider the FRNC proposal for the application of Decision 2021/05 (and FRNC to also provide details of the problem to be solved by the proposal) regarding the publication of ATFs scopes (perhaps via a register similar to that used in accordance with IECEx OD 024). | EMC WG1 | At the next WG1 meeting |
| 11 | 8.3 | Document ExMC/1858/DV proceed to publication as revised edition IECEx 02 | Secretariat | Following the meeting |
| 12 | 8.3 | Document ExMC/1859/DV proceed to publication as revised edition OD009 | Secretariat | Following the meeting |
| 13 | 8.3 | Document ExMC/1861/DV proceed to publication as revised edition OD209 | Secretariat | Following the meeting |
| 14 | 8.5 | ExMC Members invited to submit proposals for WG13 consideration of KPIs for inclusion in the IECEx Business Plan | Member Bodies of the IECEx | Following the meeting |
| 15 | 8.6 | Document ExMC/1842A/DV to be re-presented for voting via correspondence to allow additional time.  | Secretariat | Following the meeting |
| 16 | 8.6 | IECEx Secretariat to work with ExTAG WG01 to update ExMC/1875/INF to make appropriate reference to the forthcoming ISO DIS 19880-2. | Secretariat | Following the meeting |
| 17 | 8.6 | IECEx ExMC WG19 to consider the need for any retrospectivity of IECEx OD 209 to equipment previously certified to IEC TS 60079-46 | ExMC WG19 | At next WG19 meeting |
| 18 | 8.7 | Depending on outcome of future OD 290, Secretary to consider the need for updating of Form F003 to include OD 290 | Secretary | Prior to next meeting |
| 19 | 9.2 | ExMC members to nominate representatives for the vacant positions on the ExMarkCo | Members | Prior to next meeting |
| 20 | 9.2 | Secretariat and *ExMC WG17, Marketing* to communicate to members and other stakeholders on the new provisions and requirements of the IECEx Conformity Mark System. | Secretariat, ExMC WG17 | Prior to next meeting |
| 21 | 11.1 | Document ExMC/1855/DV proceed to publication as revised edition OD503 | Secretariat | Following the meeting |
| 22 | 11.1 | Document ExMC/1856/DV proceed to publication as revised edition OD504 | Secretariat | Following the meeting |
| 23 | 12.3.1 | Secretariat to research IEC legal issues re publication of national laws and to report this as input to further discussions on the USNC proposal ExMC/1881/CD at the next IECEx Executive meeting in Feb 2023 | Secretariat | IECEx Executive meeting in Feb 2023 |
| 24 | 12.3.2 | Change name of standards page on web page to ‘Standards Operated by the IECEx | Secretariat | By end Oct 2022 |
| 25 | 13.1 | Secretary to inform WG8 of the CAB work on mapping of United Nations Sustainable Development Goals, SDGs  | Secretariat  | Following the meeting |
| 26 | 13.3 | Document ExMC/1867/DV proceed to publication as revised edition OD233 | Secretariat | Following the meeting |
| 27 | 13.4 | Reactivation of WG5 under the new Convener Mr Geoff Barnier with the inclusion of Mr Colin Cameron with WG 5 to meet and report at the 2023 ExMC meeting | WG5 / Secretariat | Following the meeting |
| 28 | 16.1.1 | 2021 audited accounts presented as ExMC/1833/DV be presented to CAB | Secretary and Treasurer | Following the meeting |
| 29 | 16.2 | Treasurer and Secretary to prepare the 2024 Draft IECEx budget using ExMC/1830/CD and the 2022 end of year results as a guide | Treasurer/Secretary | Early in 2023 |
| 30 | 16.4 | ExMC WG17 to identify and exploit opportunities for positive outcomes for IECEx from the IEC GIF | ExMC WG17 | Following the meeting in consultation with the IEC Geneva Secretariat |
| 31 | 16.4 | Members with concerns regarding funding for the IEC Global Impact Fund should contact the Secretary so they can be raised at the next Treasurers meeting | Members | Following the meeting. Secretariat and Treasurer will raise during the December 2022 IEC Treasurers meeting in Geneva |

**ANNEX C**

**ATTENDANCE LIST Days 1 + 2**

**C1 Attendance List Day 1**

| **Country** | **Name** | **Organisation** | **Body** |
| --- | --- | --- | --- |
| ZA | Paul Meanwell | Komatsu Mining Corporation | Exec |
| Sect | Chris Agius | IECEx Secretariat | Sect / Exec |
| IEC | Shawn Paulsen | CAB Chair / IEC Vice President | CAB |
| DE | Martin Thedens | PTB | IEC TC31 Chair |
| AU | Ajay Maira | Ex Testing and Certification | Body |
| AU | Geoff Barnier | Simtars | Body |
| AU | Jim Munro | JMIC | Exec |
| AU | Justin Gavranich | Ex Testing and Certification | Body |
| AU | Ralph Wigg | E-x Solutions International Pty Ltd | Consultant |
| AU | Ujen Singh |  TestSafe Australia | Body |
| BR | André Di Monte | Siemens | Mfr |
| BR | Caroline Pontes Campos Corrêa | SENAI |   |
| BR | Christian Pinto Duarte  | WEG | Mfr |
| BR | Eduardo Galera  | UL do | Body |
| BR | Giovanni Hummel Borges  | HG INSPEÇÃO E ANÁLISE | Consultant |
| BR | Guilherme Ribeiro Loos | Atmosphera do Brasil Ltda. | Mfr |
| BR | Henrique Burd |   | Consultant |
| BR | Roberval Bulgarelli | SmartGrid Engenharia Ltda.  | Consultant |
| BR | Rüdiger Röpke  |   | Consultant |
| BR | Wilson Bonato  | NCC | Body |
| CA | Dave Adams | QPS | Body |
| CA | Dorin Stochitoiu | CSA | Body |
| CA | Kavinder Dhillon | LabTest Certification Inc. | Body |
| CA | Marco Erdhuizen | QPS | Body |
| CA | Marty Cole | Hubbell | Exec |
| CH | Mario Schleider | Electrosuisse | Body |
| CH | Peter Thurnherr | thuba | Exec |
| CN | Wei Chen |   |   |
| CN | Alice Kou | CNEx | Body |
| CN | Changqing Ru | SQI | Body |
| CN | Chen Huang | CCCMT | Body |
| CN | Eeti Xu | Suzhou Electrical Apparatus Science Research Institute Co., Ltd | Body |
| CN | Guoyan Zhang | CHEM | Body |
| CN | Hong Yin | PCEC | Body |
| CN | Hong Zhao | NEPSI | Body |
| CN | Jianping Xu | NEPSI | IECEx Treasurer - Exec |
| CN | Jun Wang | CNEX/CQST | Body |
| CN | Lei Qiu | State Administration for Market Regulation | NMB |
| CN | Liu Yang | NEPSI | Body |
| CN | Merlin Bai | EETI | Body |
| CN | Qiao Lu | CQM | Body |
| CN | Qin Qiao | PCEC (Tianjin) Certification Services Co., Ltd.  | Body |
| CN | Qiu Lei | SAMR | ??? |
| CN | Weiyue Wang  | CHEM/JEXM | Body |
| CN | Xiaoguang Kou | CNEX/CQST | Body |
| CN | Xin Hao | State Administration for Market Regulation | NMB |
| CN | Yang Liu | NEPSI | Body |
| CN | Yitao Zhang | CQST | Body |
| CN | Zhenyu Ma | CQM | Body |
| CN | Zhongqiang Li | CMExC | Body |
| CZ | Lukas Martinak | FTZU | Body |
| DE | Christian Roder | TÜV NORD CERT GmbH | Body |
| DE | Frank Lienesch | PTB | Exec |
| DE | Gregor Huber | Bureau Veritas CPS Germany GmbH | Body |
| DE | Guenter Gabriel | Pepperl+Fuchs SE | Mfr |
| DE | Klauspeter Graffi | TUVR  | Body |
| DE | Maria Brodel | PTB | Body |
| DE | Michael Wittler | DEKRA / BVS | Body |
| DE | Nils Bleshoy | Pepperl+Fuchs SE | Mfr |
| DE | Raymond Puppan | DKE / VIN / VDE | NMB |
| DE | Thorsten Arnhold | R-Stahl | Exec |
| DK | Jasmin Omerovic | UL International Demko A/S | Exec |
| ESP | Angel Vega Remesal | Laboratorio Oficial Madariaga LOM | Body |
| ESP | Juan Carlos Sancho | Laboratorio Oficial Madariaga LOM | Body |
| ESP | Yohan Echeverri | LOM | Body |
| FI | Jenni Hirvelä | Eurofins Expert Services Oy | Body |
| FR | Merlin Tayo | Dover Fueling Solutions | Mfr |
| FR | Julien Gauthier | LCIE - Bureau Veritas | Body |
| FR | Michel Brenon | E and E GCE | Consultant |
| FR | Olivier Cottin | INERIS | Body |
| FR | Thierry Houeix | INERIS | Exec |
| FR  | Amel Meddour | Schlumberger | Mfr |
| GB | Adrian Smart | Intertek | Body |
| GB | Colin Cameron | Mutech | Mfr |
| GB | John Allen | Sheppard Engineering | Exec |
| GB | Nicholas Ludlam | FM Approvals | Body |
| GB | Roger Jones | NOV | Mfr |
| GB | Ron Sinclair |  SGS Baseefa Ltd. | Body |
| GB | Ron Webb |   | Consultant |
| GB | Simon Barrowcliff | Element Materials Technology | Body |
| GB & CA | Wayne Thomas | CSA Group | Body |
| HR | Marino Kelava | Fiditas Ltd | Body |
| HR | Stipo Derek | Fiditas Ltd | Body |
| HU | Arpad Veress | ExNB | ATEX NB |
| IL | Ilan Cohen | ITL | Body |
| IN | Ajit Karandikar | Karandikar Labs | Body |
| IN | Mohit Janoiya | Bureau of Indian Standards | NMB |
| IN | Ravindra Paranjpe | Karandikar Labs  | Body |
| IN | Vikram Paranjpe | Karandikar Labs | Body |
| Iran | Aghil Ahmadi | National Iraninan Oil Engineering Company  | End-user |
| Iran | Ali Mozafari Sedati | National Iranian Oil Company  | End-user |
| Iran | Elaheh Baratchi | EPIL | Body |
| Iran | Mohammad Reza Ashrafi  |   | End-user |
| Iran | Seyed Mohsen Mirsadri | EPIL | Body |
| Iran | Zahra Shadravanan | ISIRI | NMB |
| IT | Alessandro Fedato | CESI | Body |
| IT | Dionisio Bucchieri | Eurofins Product Testing Italy  | Body  |
| IT | Francesco Esposito | IMQ Spa | Body |
| IT | Mauro Casari | IMQ Spa | Body |
| IT | Paolo Luigi Paraboschi | IMQ Spa | Body |
| JP | Hiroshi Takahashi | Fuji Electric co,Ltd. | Mfr |
| JP | Minari Kogane | TIIS | Body |
| JP | Sungmi Jung | TIIS | Body |
| JP | Takuro Kubo | TIIS | Body |
| JP | Yuuki Muto | Endress+Hauser Yamanashi Co., Ltd. | Mfr |
| KR | Dongjin Kim | KTL | Body |
| KR | Giho Shin | KGS | Body |
| KR | Gyeong-Jin Oh | KOSHA | Body |
| KR | Haesong Park | KGS | Body |
| KR | Jeong Il Kang | KOSHA | Body |
| KR | Jonghyun Kim | KGS | Body |
| KR | Ki Ho Lee | KOSHA | Body |
| KR | Sang-Cheol Lee | KTL | Body |
| KR | Yong-Won Choi | KTL | Body |
| KSA | Bader Alshammary | Saudi standards(SASO) | NMB |
| KSA | Hussain Alghamdi | SASO | NMB |
| MY | Ariza Mohd Yusof | SIRIM | Body |
| MY | Chee Kin Loo | The Institution of Engineers, Malaysia |   |
| MY | Muhamad Kamal Bin Sabran | SIRIM | Body |
| MY | Muhammad Nazif Zakaria | SIRIM | Body |
| MY | Villalan Ramasamy | Emerald Windfall Sdn Bhd | Consultant |
| NL | Fred Lankamp | CNEX-Global BV | Body |
| NL | Gert Hofs | PBNA | Body |
| NL | Karel Neleman | BARTEC  | Mfr |
| NL | Richard Schuller | DEKRA Certification B.V. | Body |
| NO | Arild Roed | NEK | NMB |
| NO | Asle Kaastad |  DNV Product Assurance AS | Body |
| PL | Rafal Kalinowski | ICR Polska | Body |
| PL | Robert Gil | UDT | NMB |
| RO | Marius Darie | INCD- INSEMEX Petrosani | Body |
| RU | Alexander Zalogin | NANIO CCVE | Body |
| RU | Anna Timofeeva | Russian Standartization Institute | Body |
| RU | Yulia Tikhonenko | NANIO CCVE | Body |
| SA | Nasser Almuslat |  |  |
| SE | Hussni Al Farra | RISE | Body |
| SE | Ingvar Eriksson | SEK Svensk Elstandard | NMB |
| SE | Peter Bremer | RISE | Body |
| Sect | Christine Kane | IECEx Secretariat | Sect |
| Sect | Geoff Slater | IECEx Secretariat | Sect |
| Sect | Mark Amos | IECEx Secretariat | Sect |
| SG | Christopher Hee | SGS Singapore Pte Ltd | Body |
| SI | Matej Debenc | SIQ Ljubljana | Body |
| TR | H Mehmet Akyar | TURKISH STANDARDS INSTITUTION | NMB |
| TR | Merve Ozyuksel | TURKISH STANDARDS INSTITUTION | NMB |
| TR | Ozgur Mandaoglu | TSE | NMB |
| TR | Sezai Dogan | Turkish Standards Institution | NMB |
| TR | Ümit Sevim | Turkish Standards Institution | NMB |
| UAE | Hana Al Kokhardi | Ministry of Industry and Advanced Technology | NMB |
| UAE | Marco Intalan | Ministry of Industry and Advanced Technology | NMB |
| UAE | Salha Al Hashmi | Ministry of Industry and Advanced Technology | NMB |
| UAE | Yousef Al Saadi | Ministry of Industry and Advanced Technology | NMB |
| UK | Bryn Spencer | CSA Group | Body |
| UK | Neil Sulem | Element Materials Technology | Body |
| USA | Bonnie Saxinger  | Honeywell | Mfr |
| USA | Brad Zimmermann | R. STAHL, Inc. | Mfr |
| USA | David Anderson | FM Approvals | Body |
| USA | Evans Massey |   |   |
| USA | Igor Rakonjac | Eurofins E&E North America (Metlabs) | Body |
| USA | Jeremy Maxwell | Eurofins E&E NA, Inc. | Body |
| USA | Katy Holdredge | UL LLC | Exec |
| USA | Kevin Wolf | Intertek Testing Services NA | Body |
| USA | Michael Slowinske | UL LLC | Body |
| USA | Mike Leibowitz | NEMA | NMB |
| USA | Olha Zvarych | UL LLC | Body |
| USA | Scott Kiddle | ABB | Mfr |
| USA | Timothy Duffy | Rockwell Automation | Exec |
| ZA | Mark Sadler | Mining And Surface Certification | Body |
| ZA | Regardt Zeelie | Mining And Surface Certification | Body |
| ZA | Roelof Viljoen | Mining And Surface Certification | Body |
| ZA | Terine Orsmond | Mining And Surface Certification | Body |
|   | Tom Stack | BSI Group | TC31 Sec |

**C2 Attendance List Day 2**

| **Country** | **Name** | **Organisation** | **Body** |
| --- | --- | --- | --- |
| ZA | Paul Meanwell | Komatsu Mining Corporation | IECEx Chair |
| Sect | Chris Agius | IECEx Secretariat | Sect / Exec |
| IEC | Shawn Paulsen | CAB Chair / IEC Vice President | CAB |
| DE | Martin Thedens | PTB | IEC TC31 Chair |
| AU | Ajay Maira | Ex Testing and Certification | Body |
| AU | Geoff Barnier | Simtars | Body |
| AU | Jim Munro | JMIC | Exec |
| AU | Justin Gavranich | Ex Testing and Certification | Body |
| AU | Ralph Wigg | E-x Solutions International Pty Ltd | Consultant |
| AU | Ujen Singh |  TestSafe Australia | Body |
| AU | Lei Cai | TechSkills | Body |
| BR | André Di Monte | Siemens | Mfr |
| BR | Eduardo Galera  | UL do | Body |
| BR | Giovanni Hummel Borges  | HG INSPEÇÃO E ANÁLISE | Consultant |
| BR | Henrique Burd |   | Consultant |
| BR | Roberval Bulgarelli | SmartGrid Engenharia Ltda.  | Consultant |
| BR | Rüdiger Röpke  |   | Consultant |
| BR | Wilson Bonato  | NCC | Body |
| CA | Dave Adams | QPS | Body |
| CA | Dorin Stochitoiu | CSA | Body |
| CA | Kavinder Dhillon | LabTest Certification Inc. | Body |
| CA | Marco Erdhuizen | QPS | Body |
| CA | Marty Cole | Hubbell | IECEx Vice Chair - Exec |
| CH | Mario Schleider | Electrosuisse | Body |
| CN | Alice Kou | CNEx | Body |
| CN | Changqing Ru | SQI | Body |
| CN | Chen Huang | CCCMT | Body |
| CN | Hong Yin | PCEC | Body |
| CN | Hong Zhao | NEPSI | Body |
| CN | Jianping Xu | NEPSI | Exec |
| CN | Jun Wang | CNEX/CQST | Body |
| CN | Merlin Bai | EETI | Body |
| CN | Qiao Lu | CQM | Body |
| CN | Qin Qiao | PCEC (Tianjin) Certification Services Co., Ltd.  | Body |
| CN | Qiu Lei | SAMR |  |
| CN | Weiyue Wang  | CHEM/JEXM | Body |
| CN | Xiaoguang Kou | CNEX/CQST | Body |
| CN | Xin Hao | State Administration for Market Regulation | NMB |
| CN | Zhongqiang Li | CMExC | Body |
| CZ | Lukas Martinak | FTZU | Body |
| DE | Christian Roder | TÜV NORD CERT GmbH | Body |
| DE | Frank Lienesch | PTB | Exec |
| DE | Gregor Huber | Bureau Veritas CPS Germany GmbH | Body |
| DE | Guenter Gabriel | Pepperl+Fuchs SE | Mfr |
| DE | Klauspeter Graffi | TUVR  | Body |
| DE | Maria Brodel | PTB | Body |
| DE | Michael Wittler | DEKRA / BVS | Body |
| DE | Nils Bleshoy | Pepperl+Fuchs SE | Mfr |
| DE | Raymond Puppan | DKE / VIN / VDE | NMB |
| DE | Thorsten Arnhold | R-Stahl | Exec |
| DK | Jasmin Omerovic | UL International Demko A/S | Exec |
| ESP | Angel Vega Remesal | Laboratorio Oficial Madariaga LOM | Body |
| ESP | Juan Carlos Sancho | Laboratorio Oficial Madariaga LOM | Body |
| ESP | Yohan Echeverri | LOM | Body |
| FI | Jenni Hirvelä | Eurofins Expert Services Oy | Body |
| FR | Merlin Tayo | Dover Fueling Solutions | Mfr |
| FR | Julien Gauthier | LCIE - Bureau Veritas | Body |
| FR | Michel Brenon | E and E GCE | Consultant |
| FR | Olivier Cottin | INERIS | Body |
| FR | Thierry Houeix | INERIS | Exec |
| FR  | Amel Meddour | Schlumberger | Mfr |
| GB | Adrian Smart | Intertek | Body |
| GB | Colin Cameron | Mutech | Mfr |
| GB | John Allen | Sheppard Engineering | Exec |
| GB | Nicholas Ludlam | FM Approvals | Body |
| GB | Roger Jones | NOV | Mfr |
| GB | Ron Sinclair |  SGS Baseefa Ltd. | Body |
| GB | Simon Barrowcliff | Element Materials Technology | Body |
| GB & CA | Wayne Thomas | CSA Group | Body |
| HR | Marino Kelava | Fiditas Ltd | Body |
| HR | Stipo Derek | Fiditas Ltd | Body |
| HU | Arpad Veress | ExNB | ATEX NB |
| IL | Ilan Cohen | ITL | Body |
| IN | Ajit Karandikar | Karandikar Labs | Body |
| IN | Mohit Janoiya | Bureau of Indian Standards | NMB |
| IN | Ravindra Paranjpe | Karandikar Labs  | Body |
| Iran | Aghil Ahmadi | National Iraninan Oil Engineering Company  | End-user |
| Iran | Ali Mozafari Sedati | National Iranian Oil Company  | End-user |
| Iran | Elaheh Baratchi | EPIL | Body |
| Iran | Mohammad Reza Ashrafi  |   | End-user |
| Iran | Seyed Mohsen Mirsadri | EPIL | Body |
| Iran | Zahra Shadravanan | ISIRI | NMB |
| Iran | Saman Jamshidi | EPIL | Body |
| IT | Alessandro Fedato | CESI | Body |
| IT | Dionisio Bucchieri | Eurofins Product Testing Italy  | Body  |
| IT | Francesco Esposito | IMQ Spa | Body |
| IT | Mauro Casari | IMQ Spa | Body |
| IT | Paolo Luigi Paraboschi | IMQ Spa | Body |
| JP | Hiroshi Takahashi | Fuji Electric co,Ltd. | Mfr |
| JP | Minari Kogane | TIIS | Body |
| JP | Sungmi Jung | TIIS | Body |
| JP | Takuro Kubo | TIIS | Body |
| JP | Yuuki Muto | Endress+Hauser Yamanashi Co., Ltd. | Mfr |
| KR | Dongjin Kim | KTL | Body |
| KR | Giho Shin | KGS | Body |
| KR | Gyeong-Jin Oh | KOSHA | Body |
| KR | Jeong Il Kang | KOSHA | Body |
| KR | Jonghyun Kim | KGS | Body |
| KR | Ki Ho Lee | KOSHA | Body |
| KR | Yong-Won Choi | KTL | Body |
| KSA | Bader Alshammary | Saudi standards(SASO) | NMB |
| KSA | Hussain Alghamdi | SASO | NMB |
| MY | Ariza Mohd Yusof | SIRIM | Body |
| MY | Chee Kin Loo | The Institution of Engineers, Malaysia |   |
| MY | Muhammad Nazif Zakaria | SIRIM | Body |
| MY | Villalan Ramasamy | Emerald Windfall Sdn Bhd | Consultant |
| NL | Fred Lankamp | CNEX-Global BV | Body |
| NL | Gert Hofs | PBNA | Body |
| NL | Karel Neleman | BARTEC  | Mfr |
| NL | Richard Schuller | DEKRA Certification B.V. | Body |
| NO | Arild Roed | NEK | NMB |
| NO | Asle Kaastad |  DNV Product Assurance AS | Body |
| PL | Rafal Kalinowski | ICR Polska | Body |
| PL | Robert Gil | UDT | NMB |
| RU | Alexander Zalogin | NANIO CCVE | Body |
| RU | Anna Timofeeva | Russian Standartization Institute | Body |
| RU | Yulia Tikhonenko | NANIO CCVE | Body |
| SA | Nasser Almuslat |  |  |
| SE | Hussni Al Farra | RISE | Body |
| SE | Peter Bremer | RISE | Body |
| Sect | Geoff Slater | IECEx Secretariat | Sect |
| Sect | Mark Amos | IECEx Secretariat | Sect |
| SG | Christopher Hee | SGS Singapore Pte Ltd | Body |
| SI | Matej Debenc | SIQ Ljubljana | Body |
| TR | H Mehmet Akyar | TURKISH STANDARDS INSTITUTION | NMB |
| TR | Ozgur Mandaoglu | TSE | NMB |
| TR | Sezai Dogan | Turkish Standards Institution | NMB |
| TR | Ümit Sevim | Turkish Standards Institution | NMB |
| UAE | Hana Al Kokhardi | Ministry of Industry and Advanced Technology | NMB |
| UAE | Marco Intalan | Ministry of Industry and Advanced Technology | NMB |
| UAE | Salha Al Hashmi | Ministry of Industry and Advanced Technology | NMB |
| UK | Bryn Spencer | CSA Group | Body |
| USA | Bonnie Saxinger  | Honeywell | Mfr |
| USA | Brad Zimmermann | R. STAHL, Inc. | Mfr |
| USA | Evans Massey |   |   |
| USA | Igor Rakonjac | Eurofins E&E North America (Metlabs) | Body |
| USA | Jeremy Maxwell | Eurofins E&E NA, Inc. | Body |
| USA | Katy Holdredge | UL LLC | Exec |
| USA | Kevin Wolf | Intertek Testing Services NA | Body |
| USA | Mike Leibowitz | NEMA | NMB |
| USA | Scott Kiddle | ABB | Mfr |
| USA | Timothy Duffy | Rockwell Automation | Exec |
| ZA | Mark Sadler | Mining And Surface Certification | Body |
| ZA | Terine Orsmond | Mining And Surface Certification | Body |
|   | Tom Stack | BSI Group | TC31 Sec |

\*NMB = National Member Body, Body = ExCB or ExTL, Mfr = Manufacturer, Exec = IECEx Executive