**INTERNATIONAL ELECTROTECHNICAL COMMISSION (IEC) SYSTEM**

**FOR CERTIFICATION TO STANDARDS RELATING TO EQUIPMENT FOR**

**USE IN EXPLOSIVE ATMOSPHERES (IECEx SYSTEM)**

**Circulated to: ExTAG – IECEx Testing and Assessment Group**

**TITLE: Report of the Twenty First Meeting of the ExTAG held in Dubai, UAE,**

**On 24th September 2019**

**Report of the Twenty First Meeting of the ExTAG**

held in Dubai, UAE

This document contains a Report of the 2019 ExTAG Dubai Meeting, as well as an Annex A, “Action List”.

This document has been issued for information to ExTAG Members with a request that members please note the required actions.

***ExTAG Secretariat***

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**Attendance List ExTAG Meeting Dubai 2019**

| **Country** | **Name** | **Organisation** |
| --- | --- | --- |
| **ExTAG Chair**  **ExTAG Secretary**  **IECEx Exec Secretary**  **IECEx Dep Chair**  **IEC TC31 Chair**  **IECEx Secretariat**  **IECEx Secretariat**  **IECEx Secretariat** | Professor Xu Jianping  Julien Gauthier  Chris Agius  Marty Cole  Mark Coppler  Mark Amos  Christine Kane  Mike Roy | NEPSI  LCIE Bureau Veritas  IECEx  IECEx/Hubbell Canada ULC  DNVGL  IECEx  IECEx  IECEx |
| **AU** | Geoff Barnier  Justin Gavranich  Billy Low-Wah  Jim Munro  Ralph Wigg | Simtars  Restech Pty Ltd  TestSafe Australia  Jim Munro International Compliance Pty Ltd  E-x Solutions International Pty Ltd |
| **BR** | Wilson Bonato  Giovanni Borges Hummel  Eduardo Galera  Ruediger Roepke | NCC Certificações do Brasil Ltda.  HG Inspeçoes  UL BR  Consultant |
| **CA** | Kavinder Dhillon  Jim Morrison  Dorin Stochitoiu | Lab Test Certification Inc.  QPS  CSA Group |
| **CH** | Thomas Koehntopp | Eurofins Electrosuisse Product Testing AG |
| **CN** | Du Chunjing  Ma, Zhenyu  Ma, Qiuju  Wang Jun  Yu Pingwu  Yin Hong | CNCA  SITIIAS/NEPSI  CQM  CNEx/CQST  EETI  PCEC |
| **CZ** | Lukas Martinak | FTZU |
| **DE** | Ursula Aich  Guenter Gabriel  Klauspeter Graffi  Ulrich Jacobs  Florian Koch  Tim Krause  Peter Marschall  Markus Detlev  Otto Walch  Michael Wittler | RP Darmstadt  Pepperl+Fuchs GmbH  TÜV Rheinland Industrie Service GmbH  TÜV SUD Product Service GmbH  PTB  PTB  ATEX  PTB  R.STAHL  DEKRA |
| **DK** | Jasmin Omerovic | UL International Demko A/S |
| **ES** | Yohan Echeverri  Juan Carlos Sancho | Lab. Oficial J.M. Madariaga  Lab. Oficial J.M. Madariaga |
| **FI** | Jenni Hirvelä | Eurofins Expert Services Oy |
| **FR** | Thierry Houeix  Amel Meddour  Bernard Piquette | INERIS  Schlumberger  INERIS |
| **GB** | John Allen  Simon Barrowcliff  Colin Cameron  Sean Clarke  Ewan Gadsby  Nicholas Ludlam  Phil Oates  Ronald Sinclair  Andy Smith  Wesley Van Hill  Ron Webb | Sheppard Engineering  EMT  Mutech Ltd  Ex Veritas  EMT  FM Approvals  SGS Baseefa Ltd  SGS Baseefa Ltd  Certification Management Limited  Intertek  Consultant |
| **GR** | Nikos Katiforis | KR Hellas Ltd |
| **HR** | Marino Kelava | Fiditas Ltd. |
| **HU** | Edit Molnár | ExVÁ Ltd. (BKI) |
| **IN** | Ajit Karandikar  Ravi Paranjpe | Karandikar Laboratories Pvt Ltd.  Karandikar Laboratories Pvt Ltd. |
| **IT** | Mirko Balaz  Dioniso Bucchieri  Francesco Esposito  Alessandro Fedato  Paolo Paraboschi | CESI S.p.A  Eurofins  Engineering & Compliance S.r.I  CESI S.p.A  IMQ S.p.A |
| **JP** | Minari Kogane  Takuro Kubo  Sungmi Jung | TIIS  TIIS  TIIS |
| **KR** | Weondon Joo  Gyuhong Kang  Dongjin Kim  Yong Tae Kim  Sunkwon Lee  Yeongseung Min  Inchoon Park  Donghyuk Son | KGS  Korea Marine Equipment Research Institute  KTL (Korea Testing Lab.)  KOSHA  Korea Marine Equipment Research Institute  KTL (Korea Testing Lab.)  KGS  KOSHA |
| **MY** | Basori Selamat  Nur Hidayab Ayub Kamaruddin  Siti Marian Mohd Din | SIRIM QAS International  Department of Standards Malaysia  Department of Standards Malaysia |
| **NL** | Marco Erdhuizen  Fred Lankamp  Karel Neleman  Richard Schuller | Royal PBNA  CNEX-Global B.V  BARTEC  DEKRA Certification B.V |
| **NO** | Manojkumar Panchal | DNV GL Presafe AS |
| **RO** | Magyari, Mihai | INCD-INSEMEX Petrosani |
| **RU** | Alexander Zalogin | NANIO CCVE |
| **SI** | Matej Debenc | Slovenian Institute of Quality and Metrology |
| **TR** | Efari Bahcevan  Kocuklu Emre  Uwe Klausmeyer  Fatma Vogel Klausmeyer  Ozgur Mandaglu  Ismail Oglakcioglu  Umit Sevim | SEYIR AKADEMI  SCA BELGELENDIRME  SCA BELGELENDIRME  Ex Proof TEKNO Turkey Ltd  Turkish Standards Institution  SCA BELGELENDIRME  Turkish Standards Institution |
| **US** | Al Engler  Katy Holdredge  Scott Kiddle  Michael Slowinske  Roy Teather  Kevin Wolf | DNVGL  UL LLC  ABB Inc  UL  DNV-GL  Intertek |
| **ZA** | Paul Meanwell  Regardt Zeelie | Komatsu  MASC |

**ExTAG Dubai, UAE, 2019 Meeting Report**

# Opening and Welcome

The Chair**,** Professor Xu Jianping**,** opened the 21st Annual ExTAG meeting at 9.00 a.m. on Tuesday 24th September, 2019. He commenced by first thanking the host, ESMA of the United Arab Emirates and their sponsors for the excellent preparation that they have put in place. He commented that such pleasant surrounds should ensure good outcomes. He then welcomed all members and observers and especially those who are attending the meeting for the first time. He welcomed the two new countries the Kingdom of Saudi Arabia and Greece to the meeting.

He then welcomed special guests, Members of the IEC Conformity Assessment Board David Breer of CA and Member of the CAB, Mr Simon Barrowcliff and former CAB Member Ms DU from China. He also greeted IECEx Vice Chair Mr Marty Cole also a member of CAB, IECEx Treasurer Mr Thierry Houeix, Members of the IECEx Executive. IEC TC 31 Chair Mr. Mark Coppler and extended a further welcome to former IECEx Chair Dr Uwe Klausmeyer. He advised that unfortunately Tim Duffy, a member of the IECEx Executive and a CAB Member is not able to be with us today and has sent his apology. He also extended a welcome to all our ExTAG Members and Observers.

He acknowledged the IECEx Executive secretariat team extending thanks on behalf of the members for the meeting preparations. He then advised that all documents are available on the IECEx web site Dubai Meeting page as well as some already published Green Papers.

ESMA then provided a very warm welcome to the members to Dubai commenting on the importance of all IEC Schemes to the UAE particularly IECEx. He wished the delegates a most successful meeting.

The Chair again thanked ESMA for their welcome and for hosting this 2019 series of meetings.

The Chair reminded the meeting of the composition of the membership of ExTAG, as being Accepted ExCBs, Accepted ExTLs and Applicant ExCBs and ExTLs advising that although Observers are most welcome there are some matters which would be discussed only within the ExTAG’s membership. He reminded the members that as usual a Closed Session of the meeting would be held just for ExCBs and ExTLs to enable open and frank discussion in support of one of the IECEx principles, being Mutual Recognition, so we would appreciate Observers leaving the room at that time. We plan for this closed session to occur between the morning tea break and lunch break.

He then informed the members that as part of the taking of minutes for this meeting, the meeting would be recorded purely for the purpose of assisting the Secretariat in accurately recording the minutes. The recordings themselves not being made available and that Decisions would be displayed similar to what is now practise in ExMC. He called for any objections or concerns regarding the recoding of the meeting. None were raised.

# Approval of the Agenda

**Document noted:**

**ExTAG/572C/DA** Draft Agendathe Twenty First Meeting of the ExTAG to be held in Dubai 24th September, 2019.(Revised Draft Agenda)

The Chair sought approval of the latest version of the Draft Agenda ExTAG/572C/DA, stating that this is a full agenda. He then asked the members to note the additional documents which have been submitted commenting that these documents do not raise any new items but rather inform of the various positions, and recommended the documents be included when discussing the respective items.

Agenda Item 5.2 - ExTAG(Dubai/UL)04 – IECEE CTL Provisional Decision Sheet

Agenda Item 7.3 - ExMC(Dubai/CN)02 – CN comments on a register for ATFs

Agenda Item 7.4 – ExMC/1542/CD – US Comments on the revision of OD 202

Agenda Item 9.1 - Note ExMC/592A/CC as updated version when we discuss Agenda item 9.1

He then asked for approval of the Draft Agenda. Draft Agenda. The Agenda was approved with the meeting recording the following decision.

**Decision 2019/01**

Members approved the Draft Agenda of the 21st ExTAG Meeting as circulated as ExTAG/572C/DA.

# Report of the last ExTAG meeting held in ExTAG Cannes Meeting 18th and 19th September 2018

***3.1*** To note the Report of the last meeting held in Cannes, France 18th and 19th September 2018, and subsequent action items from the meeting.

**Documents noted:**

**ExTAG/537/DL –** Decision List from ExTAG 2018 Cannes France meeting

**ExTAG/575/R** - Report of the Twentieth Meeting of the ExTAG held in Cannes France on 18th + 19th September 2018

The Chair asked the meeting to note documents ExTAG/537/DL – *Decision List from ExTAG 2018 Cannes France meeting* and ExTAG/575/R - *Report of the Twentieth Meeting of the ExTAG held in Cannes France on 18th + 19th September 2018.* As there were no comments on the Report during the session, or received after circulation, the Chairman noted confirmation of the report and moved to the next item, with the meeting recording the following decision.

**Decision 2019/02**

Members accepted the report from the last ExTAG 2018 Meeting held in Cannes as circulated as ExTAG/575/R and ExTAG/537/DL

## Report of the action items by the ExTAG Chair on the ExTAG 2018 Cannes Meeting.

**Document noted:**

**ExTAG/578/R** Status Report on Action Items From the 2018 ExTAG Cannes Meeting

The Chair provided a status report on the actions arising from the Cannes 2018 Meeting. He advised that there had been 35 actions in total to be followed-up. He suggested that, as the report had previously been circulated, there was no need to go through each item separately, but that should anyone have any items needing to be clarified or commented on to please do so.

Ms Katy Holdredge, UL, asked a question relating to Action Item 12, (7.1 of the mins) where the IECEx Executive was asked to consider the proposal from ExTAG WG01 regarding the definition or clarification of document ownership as part of their development of an OD. Mr. Agius, ExMC Secretary, advised that the Item was discussed by the Executive during the Operational Meetings to be held in Singapore May 2019 and to be included as work of the Secretariat and overseen by the Executive. In conclusion the meeting recorded the following decision

**Decision 2019/03**

Members accepted the report from the ExTAG Chairman on the Action Items from the 2018 ExTAG Meeting as circulated as ExTAG/578/R.

## Report on 2019 ExTAG Dubai Training Workshop held Monday 23rd September 2019.

The Chair invited the ExTAG Secretary to give a brief summary of the ExTAG Training Workshop, held on the previous day, highlighting the main points.

Mr. Julien Gauthier, ExTAG Secretary, commenced by advising that the ExTAG training session was held on the Monday morning. He then provided some details about the presentations:

Mr. Amos (IECEx Secretariat, Business Manager) gave an update on the IECEx system which includes reporting on CoC monitoring by the IECEx Secretariat on past period, reminders, useful readings and updated information about the new IEC platform.

Mr. Roy (IECEx Secretariat, Compliance Manager) introduced the new role of the Compliance Manager of the Secretariat. He then came back in more details about past period activity, noting the improvement (-45%) of number of out of date QAR between 2018 and 2019. The next focus will be on management of suspended certificate.

Mr. Gauthier (LCIE, ExTAG Secretary) gave a presentation about participation to Proficiency Testing programs. This includes the objectives, the overview of the process and also the expected feedback from the provider and actions from ExTLs.

Mr. Ludlam (FM Approvals, Secretary of SC31G) presented the current status about battery testing and also gave an overview of the recent work and future improvements under consideration for next edition of the standard.

He concluded that it had been a very successful training workshop and was much appreciated with the active participation of members during discussions.

He reminded the meeting that all presentations are available on the dedicated meeting [website.](https://www.iecex.com/meeting-and-events/2019-annual-meetings-of-the-iecex-system-general-information-dubai-united-arab-emirates/meeting-documents/presentations/)

The Chair asked for comment and no comment was raised with the meeting agreeing to the record the following decision.

**Decision 2019/04**

Members accepted the summary report from the ExTAG Chairman and ExTAG Secretary on the main points from the 2019 ExTAG Training Workshop and noted that copies of the workshop presentations are available at [Presentations Dubai.](https://www.iecex.com/meeting-and-events/2019-annual-meetings-of-the-iecex-system-general-information-dubai-united-arab-emirates/meeting-documents/presentations/)

* 1. **Officer Positions – ExTAG Secre*tary***

The Chair opened this item noting that Mr.Julien Gauthier, LCIE, the current ExTAG Secretary, will complete his first 5 year term at the end of 2019, and, although eligible for a second term, Mr Gauthier has advised that he is no longer able to continue in this role. The Chair then reminded the members, that as a result Mr Gauthier’ s advice, a call for nominations (ExTAG/542/Inf had been issued. As no nominations were received a discussion began regarding the position of the ExTAG Secretary. The ExMC Secretary, Mr. Agius, advised that the IECEx Executive had considered that it may now be time for the position of ExTAG Secretary to be replaced with “ExTAG Deputy Chair” to align with that of the other IECEx Committees, e.g. ExSFC and ExPCC. After some discussion it was agreed to recommend to the ExMC that this proposal, regarding the modification from ExTAG Secretary to ExTAG Deputy Chair position, be approved and then a required review of the rules, to amend IECEx 01-S (namely Clause 7.7, 8.2) and IECEx 02 be completed. It was also agreed s that until this has been completed it is suggested that the IECEx Secretariat handle the position. In agreeing to this approach the meeting agreed to record the following decision

**Decision 2019/05**

Members noted the advice that the current ExTAG Secretary, Mr Julien Gauthier from LCIE, FR, will complete his current 5 year term at end of 2019. Mr Gauthier has advised that he is not available to serve a further term. Members also noted that, following a call for nominations (ExTAG/542/Inf), no nominations were received.

Members supported the view of the IECEx Executive that this may be the time for the position of ExTAG Secretary, in order to align with the other IECEx Committees, e.g. ExSFC and ExPCC, be replaced with “ExTAG Deputy Chair”.

The Meeting then requested that the 2019 ExMC meeting consider this

# IECEx Equipment Scheme – Overview

The Chair invited the IECEx Secretary, Mr Chris Agius, to report on this agenda item, while noting that the secretary would provide more detailed information when going through the 2019 IECEx Report card in detail (ExMC/1499/R) during the ExMC meeting later in the week. He continued that the report at this time simply provides an opportunity to learn the growth details.

***4.1*** *Membership*

* Countries 35
* ExCBs and ExTLs 57 ExCBs + 68 ExTLs
* Applicants 5 ExCBs + 5 ExTLs
* ATFs 9

***4.2*** *Statistics*

The secretary reported that as at the 30th June 2019 there were **92,513** Issued IECEx Reports, Certificates and Licenses across all the four IECEx Schemes compared with **75,701** for the same time last year (30th June 2018)– this represents an overall growth of **22.2%.** He once again reminded the meeting that a further detailed report is to be presented during the ExMC meeting (under document reference ExMC/1499/R)**.**

***4.3*** *IECEx Website*

Mr Mark Amos, IECEx Business manager advised the meeting of the introduction of the of the second generation IECEx Internet based “On-Line” Certificate of Conformity System (OCS),

He highlighted the following improvements –

• Improved ExCB Profiles and access management

• Links between IEC CA Systems data

• Builds an image of the final Certificate as data is entered in required fields

• Automatic PDF creation and validation

• View Certificate “image” OR Details (as metadata)

• Includes ‘auto-complete’ of known content eg. manufacturer name

• Improved search tools

• Improved Export to Excel reporting capability

Mr. Mark Amos then reminded the members of the timelines, previously advised, as well as the requirements relating to access to the IECEx OCS (On-Line Certificate System) which is that a user has to have a unique ID that includes a Login name, a password and a valid personal email address. He suggested that if bodies have not done this by now then they need to do so as soon as possible in order ensure that those who need to have access do so. He concluded saying that the improvements to the site will be significant and will also include enhanced security. He advised it is anticipated that the IECEx New OCS will be available for use by all ExCBs in late 2019 however this is dependent upon the outcomes of the trials.

The Chair thanked the secretary and Mr Amos for the report as well as the update relating to the new OCS site. He commented that it is good to see all improvements in the IECEx System.

He then asked if there were any questions. There were no questions raised with the meeting agreeing to record the following decision.

**Decision 2019/06**

Members accepted the report from the IECEx Secretariat on an overview of the IECEx Equipment Scheme activities since the last meeting in 2018.

# Technical Items for general discussion within ExTAG

The Chair explained that the purpose of this agenda item was to discuss technical items arising from feedback since the previous ExTAG meeting with the aim of ensuring a consistent approach by all ExCBs and ExTLs.

**5.1 Intrinsic Safety – Spark Assessment for the combination of resistive, capacitive and inductive Parameters.**

The Chair opened this topic by emphasising the need to finalise this document which, he commented, has been around a long time pointing out that it is now at Version C. He then asked Mr. Billy Low-Wah from TestSafe, the originator, to open discussion. Mr Low-Wah referred to the documents listed for consideration, in particular the revised Draft DS. After some discussion, and as consensus could not be reached, the Chair advised that the topic be transferred to TC 31 MT 60079-11 for consideration for the next edition of the Standard. Mr Colin Cameron, MT 60079-11 Convenor, suggested that the Draft DS be suspended with the MT to discuss again, in Shanghai, and then to report back to the ExTAG. There was a general view that the Draft DS not go forward to publication. The Chair agreed however that all documents be forwarded to the MT and then to wait on their recommendation. In conclusion the meeting agreed to record the following decision.

**Decision 2019/07**

Members considered:

* the updated Draft Decision sheet presented by TestSafe as ExTAG/522C/CD and
* the accompanying Compilation of Comments (ExTAG/576A/CC) on ExTAG/522C/CD and
* the discussion paper circulated as ExTAG(Dubai/Testsafe)03

and agreed that

1. the draft Decision Sheet does not proceed to publication, and
2. this matter be referred to MT60079-11 for consideration in a future revision of IEC 60079-11 (noting the comments and questions to this ExTAG Meeting from Mr Cameron as MT60079-11 Convenor).

**5.2 Calibration of Humidity Chambers and ExTAG Questionnaire.**

**Documents Considered:**

[**ExTAG/588/CD**](https://www.iecex.com/dmsdocument/3087)Draft ExTAG Decision Sheet - Calibration and Operation of Climatic Chambers

[**ExTAG (Dubai/UL)04**](https://www.iecex.com/dmsdocument/3131) – IECEE Provisional Decision Sheet

The Chair in opening this item reminded the members that during the Cannes 2018 meeting Mr. Sinclair and Ms. Holdredge had given a presentation about verification and calibration of climatic chambers as well as reporting on ExTAG/510/Q. It was agreed during the meeting to support the drafting of an ExTAG Decision Sheet by Mr Sinclair as an interim measure until the work in IECEE is finalised. The Chair invited Mr Sinclair to speak to the ExTAG document with Ms Holdredge to report on the work within IECEE on ExTAG(Dubai/UL)04 as a draft IECEE Decision Sheet). Mr Sinclair began that the IECEE draft document does not specify details for IEC 60079-0 and more generalises where the Draft Decision Sheet is more specific. He suggested therefore that support be given to Draft DS ExTAG/588/CD saying that the intent is to produce a document that all can easily use. The Chair commented that the IECEE document is a very good general document but agreed that it is of a more general nature and that IECEx have, as advised by Mr. Sinclair, specific needs. After discussion the Chair asked Mr. Sinclair to edit the Draft DS to incorporate the IECEE Decision Sheet. Mr Sinclair agreed to do so saying he would appreciate Ms Holdredge’s input. It was decided that the final document be forwarded to the ExTAG Chair for review. The meeting then agreed to record the following decision.

**Decision 2019/08**

Members accepted the report from Ms Holdredge on the work within IECEE on this matter (refer ExTAG(Dubai/UL)04 as a draft IECEE Decision Sheet) and considered a draft ExTAG Decision Sheet circulated as ExTAG/588/CD with the outcome that there is agreement that there is a need for an IECEx Decision Sheet to reflect the specific needs of IECEx and that this IECEx Decision Sheet be linked to the proposed IECEE Decision Sheet. Members then agreed to publish the proposed ExTAG Decision Sheet subject to the inclusion (by Mr Sinclair and Ms Holdredge) of recognition of the relevant content of ExTAG(Dubai/UL)04. The ExTAG Chairman to conduct a final review of the work of Mr Sinclair and Ms Holdredge prior to publication.

**5.3 Use of new IEC Standard IEC 62784 - *Vacuum cleaners and dust extractors providing equipment protection level Dc for the collection of combustible dusts – Particular requirements***

**Document Noted:**

[**ExTAG/552/Inf**](https://www.iecex.com/dmsdocument/2868) **–** Notification on use of IEC 62784 within the IECEx 02 Certified Equipment Scheme

The Chair advised that this item is just for noting as during the 2018 Cannes meeting the ExMC agreed to assign the task, on how to determine to integrate this new Standard into the IECEx, to the Executive. The ExTAG document is the conclusion of this consideration by ExMC. He asked if there were any comments or questions. There were none received with the meeting agreeing to record the following decision.

**Decision 2019/09**

Members accepted the report circulated as ExTAG/552/Inf as an update on the application of IEC 62784 in IECEx.

**5.4** **US proposal calling for a Revision to IECEx Operational Document OD 012 – Measurement Uncertainty**

**Document noted/Considered:**

[**ExMC/1515/CD**](https://www.iecex.com/dmsdocument/3055) – US proposal

The Chair asked Ms Holdredge, US, to speak. Ms Holdredge advised the meeting that the USNC/IECEx is concerned as to how IECEx assessors are to interpret the new wording for Measurement of Uncertainty in Clause 7.6.3 of ISO/IEC 17025:2017: The US proposed that Operational Document 012 ExTAG Guide for Application of Uncertainty of Measurement to conformity for laboratory tests carried out under the IECEx System, be revised. Ms Holdredge said that should there be approval for a revision of the document there will be the need to reconvene ExTAG WG04 ExTAG Guide for Application of Uncertainty of Measurement Mr Sinclair, GB, supported the US proposal commenting that it is essential that we have an Ex document. The Chair asked the members if they would support the revision of the Operational Document. The members agreed to recommend the revision of OD 012 to the ExMC with the meeting agreeing to record the following decision.

**Decision 2019/10**

Members considered a request as circulated as ExMC/1515/CD regarding a revision of IECEx OD 012 and agreed to recommend to ExMC that a revision of OD 012 commence.

**5.5 Arrangements for processing scope applications for IEC 62990-1 “Workplace atmospheres – Part 1: Gas detectors – Performance requirements of detectors for toxic gases**

**Document noted/Considered:**

[**ExTAG/595/INF**](https://www.iecex.com/dmsdocument/3112) – Arrangements as Determined by the IECEx Executive

The Chair opened this item by asking the members if they supported the suggested arrangements for the processing of applications for scope extensions from ExCBs and ExTLs to include IEC 62990-1 included in ExTAG/595/Inf. The members supported this approach with the meeting agreeing to record the following decision..

**Decision 2019/11**

Members noted arrangements for the processing of applications for scope extensions from ExCBs and ExTLs to include IEC 62990-1 and supported the proposal in ExTAG/595/INF.

**6 Performance feedback from ExCBs and ExTLs (Restricted participation)**

***(Agenda Item 6- Restricted participation will be timed to be most convenient to Delegates attending the meeting)***

The Chair introduced this closed session for ExCBs and ExTLs explaining that it was an opportunity to discuss their working experiences. The meeting arriving at the following decisions.

**6.1 Co-operation between IECEx Bodies**

The Chair introduced this closed session item for ExCBs and ExTLs explaining that this item is a standing agenda item and was an opportunity for members to discuss their working experiences between bodies. He reiterated that bodies have an obligation, according to IECEx Scheme Rules, to co-operate closely and effectively. He asked Mr Agius if he wished to add. Mr Agius advised that the Secretariat receives an enormous number of e-mails from industry some from manufacturers and end user as well as regulators relating to their experiences in dealing with IECEx. The Secretariat advised that it has, and continues to receive, requests for assistance from manufacturers when approaching an ExCB for their national certificate when presenting an ExTR/QAR and CoC issued by another ExCB. The Secretariat’s view is to direct the manufacturer back to the ExCB that issued the IECEX Reports and CoC and ask them to contact the other ExCB on their behalf. He continued that another item which does stand out relates to the description of what is being certified needs to be clear on the certificate, commenting that there is a real need to ensure that those who do not have the detailed knowledge of the product need be able to read the product description and make sense of it. This is true for all stakeholders, that rely on the certificate.

No decision recorded.

**6.2 Response to and assistance to be provided by ExCBs to the market when IECEx CoCs they issue are questioned**

The Chair explained again that this item is a standing agenda item. He invited Mr. Agius to discuss. Mr Agius advised that just because you, as an ExCB, may receive an enquiry asking a question about a certificate it is not helpful, or correct, to say that it is confidential and you need to speak to the manufacturer. In some instances it might be a simple enquiry, It may be as simple as “I have received a product covered by your certificate it is not clear about the number of items….”, please bear in mind there is nothing wrong with answering this simple enquiry. Mr Agius continued “This will make things easier for all involved.”

The meeting noted the concerns expressed by Mr Agius and did not raise any objections or comments.

No decision recorded.

**6.3 Operating to IECEx Rules and Operational Documents**

The Chair advised that this is another standing item and that under this item IECEx Bodies are given the opportunity to discuss their working experiences in using the IECEx Rules and Operational Documents. He then asked if there are there any issues concerning the current rules that are not listed on the agenda for discussion that members wish to raise. Mr Agius commented that as the Chair advised this is an opportunity for you, as ExCBs and ExTLs, to please let us know if you have any burning issues We at the Secretariat have not received any questions/comments so we presume that you are happy with everything. Some nods indicating all is well.

No decision recorded.

**6.4 Maintenance of QARs**

**Documents Noted/Considered:**

[**OD 025**](https://www.iecex.com/dmsdocument/3114) **–** Guidelines for the Management of Quality System Audits by ExCBs

[**OD 026**](https://www.iecex.com/dmsdocument/3115) **-** Guidelines for qualifying Auditors

The Chair commented that this is a reminder of the ExCB’s responsibilities regarding the need to maintain surveillance audit schedule within the requirements of IECEx 02 rules and OD 009, OD 250 (note: OD 250 replaces ExTAG/164/Inf and ExTAG/254/Inf**).** Also an opportunity to discuss co-operation and use of ExCBs, using QARs issued by ExCBs, other than the CoC issuing ExCB. Mr Agius referred members to the presentations given by Mr Roy from the IECEx Secretariat covering *Compliance Issues regarding the IECEx 02 Certified Equipment Scheme*, ExTAG Training Session and *Compliance Review*, during the IECEx Assessor Training Session. He advised that for those who had not heard or seen these presentations that they are available on the IECEx web site. He asked Mr Roy if he had any comment. Mr Roy said that the key message is the need for CBs to co-operate with CBs in order to clean up the On-Line Certificate system. He also commented that it is essential that ExCB staff familiarise themselves with the Operational Documents OD 209, 250, 009 and the OD011 Series. He also reminded the members of the Desk Top Reviews, DTRs, which lists out of date QARs and which serve as an important tool for assessments as assessors are now being asked to focus on these. The meeting noted the remarks from the Secretariat and agreed to record the following decision.

**Decision 2019/12**

Members noted their ExCB responsibilities regarding the need to maintain surveillance audit schedule within the requirements of IECEx 02, OD 009, OD 025 and OD 026 and also the recent publication of IECEx OD 250 to replace ExTAG/164/Inf and ExTAG/245A/Inf.

**6.5 Application of Clause 10.5.3 of IEC 60079-11 to Battery Packs comprising multiple Batteries as defined in IEC 60079-0.**

**Document Noted/Considered:**

[**DS 2019/001**](https://www.iecex.com/dmsdocument/2705) **– Decision Sheet**

The Chair opened this item by reminding the meeting that Mr. Nick Ludlam had given a presentation on Battery Testing and the current work of SC31G.yesterday during the ExTAG Training Session. He invited Mr. Ludlam to provide an update on the work of 31G. Mr Ludlam thanked the Chair and advised that the DS had been reviewed during the last MT and as a result the MT have created 2 ISH which are currently going through the IEC process and will hopefully be available for ballot maybe by the end of October. He continued that the 2 ISH essentially clarify the issue of cell or battery. He advised that he hadn’t circulated the particular draft DS for information purpose as it will be published by the IEC in the next three to four weeks. Mr Agius asked that in light of the work of ISH what is the recommendation? Mr Ludlam suggested that the Decision Sheet be suspended once the ISH have been published. Mr Agius then requested that Mr. Ludlam alert the Secretariat once the ISH are available. The Secretariat will then issue a recommendation that DS 209/001 be removed and replaced with the publication of the ISH. In conclusion the meeting agreed to record the following decision.

**Decision 2019/13**

Members noted the publication of DS 2019/001 and that there is current work within IEC SC 31G to prepare an ISH as reported by Mr Ludlam. The Meeting agreed that DS 2019/001 will be withdrawn upon publication of the ISH.

**6.6 Document requests from Issuing ExCBs by Receiving ExCBs**

The Chair opened this item inviting Ms Holdredge to speak on behalf of UL on the scope of documents that are to be requested from an Issuing ExCB by a receiving ExCB when reviewing an issued ExTR package. There was considerable discussion on this topic with a number of ExCBs believing that in some instances documents are created that are not official documents and it would be wrong that such documents be supplied, this would be unreasonable. The Chair suggested that this should be treated on a case by case basis. There was discussion on when information is not provided as to what avenues are available to the ExCBs. Mr Agius referred to Clause 10.1 in the Rues 02 There was then discussion relating to drawings. Mr Agius suggested that as we have just published an updated version of OD 017 O*perational Document - Drawing and documentation Guidance for IEC Ex Certification – for use by Manufacturers and ExTLs* that in the next revision we could add additional information that addresses document exchange between ExCBs and ExTLs, such as a list of the documents that are expected to be transferred between bodies. The meeting indicated support for the suggestion from Mr Agius and then asked Mr Webb as Convenor of ExTAG WG03 to take this on. Mr Webb agreed to consider the aspect of the transferring of documents between CBs for the purpose of achieving National Certification.

While not recording a formal decision, the meeting did consider the comments of Mr Kelly as ExTAG WG01 Convenor) following a discussion led by UL LLC and noted the comments from Mr Sinclair and the ExTAG Chairman that it should not be necessary to provide all documents.

**Decision 2019/14**

The meeting agreed that there is a need for the preparation of an IECEx publication that clarifies the expectations, requirements and processes for the sharing of documents between ExCBs

**6.7 Identification of Ancillary Devices and Marking Identification**

The Chair opened this by advising that there has been discussions about differing views between some ExCBs when approaching the issue of identifying ancillary equipment and the associated marking code identification on IECEx Certificates. whether any guidance is required. The Chair invited Ms Holdredge to lead discussion, whom outlined a recent example relating to certification of a motor and its ancilliary devices.

The Chair invited the meeting to discuss this aspect with the TC 31 Chair commenting on the various options that may exist in some products but that the certification drawings detail all options but that the certificate indicate all Ex protections that may be used.

The meeting discussed this matter in detail noting that there are some variations in approach by different ExCBs and that there should be some guidance to provide greater harmonisation. In conclusion, the meeting agreed to form a n AdHoc WG to consider either an ExTAG Decision Sheet or other guidance. As a result the meeting agreed to record the following decision.

**Decision 2019/15**

Members considered the points raised during the discussion led by Ms Holdredge and agreed the need for a new or updated ExTAG Decision Sheet on this matter. Mr Lankamp agreed to convene an AdHoc Working Group to prepare a draft Decision Sheet with the assistance of Ms Holdredge, Mr Houeix, Mr Coppler, Mr Sinclair, Mr Balaz and Ms Lu

**6.8 Results from the IECEx Proficiency Testing Scheme – Outliers**

The Chair invited Mr Julien Gauthier, ExTAG Secretary to lead the discussion. Mr Gauthier informed the members that a question regarding the situation when outliers of an IECEx PTP program has been identified. Mr Gauthier commented that ExCBs should be notified in case they accept ExTRs that may have been impacted by the individual ExTL(s) having been notified by the Ex PTP Provider regarding PTP outliers. Mr. Gauthier asked should we, in each programme, have unsatisfactory results? He stated that we require a clear view of what is an unsatisfactory result in each programme. Mr Krause referred Mr. Gauthier to Clause 12 of OD 202 regarding this issue. Mr Agius reminded the members that participation in the PTP is mandatory, refer IECEx 02 Rules. He advised that secretariat has become more involved in working with our provider PTB. He informed the members that as all bodies are required to participate the secretariat is monitoring participation to ensure that this is being done. If they haven’t participated Mr Mike Roy, IECEx Secretariat, is contacting ExTLs. As stated earlier participation is mandatory, and bodies need to be aware that non participation is a breach of rules and may lead to suspension by the Executive. Mr Krause informed the members that PTB feed the results back to the ExTLs and that it would then be expected, as a requirement of ISO/IEC 17025, and as part of the management process that this information be fed back through the management review process. Also Assessors are asked to check as to how and what management do the with results when they receive them, and what actions are taken. Mr Agius commented that it is incumbent on an ExTL to be doing something when you get the results back. The Chair asked for comments, There were none raised.

No decision recorded.

**6.9 Proposed Amendment to IECEx 02**

**Document Considered:**

[**ExMC/1517/DV**](https://www.iecex.com/dmsdocument/3078) **-**  Draft new Amendment to IECEx 02 as Edition

7.1

The Chair advised the members that although this is an ExMC matter the question is being asked as to whether ExTAG support the proposed draft amendment change to the rules contained in ExMC/1571/DV. After some discussion it was agreed to support the changes concerning contents of IECEx Certificates and the listing of manufacturers versus production sites in light of new definitions included in IECEx 02. The Chair advised that he will recommend ExTAG’s support for the amendment in his report to the ExMC. The meeting agreed to record the following decision.

**Decision 2019/16**

Members considered ExMC WG1’s proposed amendments to IECEx 02 (as circulated as ExMC/1517/DV) that are intended to clarify the aspect of recording manufacturers and production sites and supported the proposed changes for 2019 ExMC meeting consideration (subject to correction to page 7 use of ‘any’).

**6.10 Industry Feedback/Request regarding Assemblies - Wellas**

The Chair advised that under this item we are to discuss the approach for Certification of Assemblies when applying IEC/TS 60079-46 and suitability of individually certified items in terms of requirements of IEC/TS 60079-46, e.g. Ambient Temperatures. He informed the members that a complaint had been received on what appears to be approaches by some ExCBs when dealing with Assemblies. He continued that the main issue was a concern that a common approach to ambient temperature ratings may not have been applied. Mr Agius further advised that upon investigation the issuing ExCB had, when requested by the secretariat, supplied additional information which explained their approach and which closed the matter however it was still thought to be beneficial to discuss the fundamental issues during this meeting. The meeting undertook a discussion. At the end of discussion two main issues were identified –

1. That the wording was insufficient - There was little information on the certificate – it needs to be emphasised that information should be clear and provide enough information for those needing to use the certificate.

1. The need for ExCB to provide assistance when clarification of their certificates is being sought.,

On an additional point Mr Agius advised that the secretariat had taken up the issue of non-attendance at ExTAG meetings with various ExCBs.

On the basis of additional information provided by the ExCB concerned, No decision was recorded

**6.11 IEC 60079-15 Topic raised by UL**

**Document Considered**

[**ExTAG/594/CD**](https://www.iecex.com/dmsdocument/3111) **-**  Discussion paper from UL

The Chair referred the members to the discussion paper and the matter raised by UL concerning the application of Clause 9.1 of IEC 60079-15: 2017. He invited Mr Slowinske to speak. Mr Slowinske explained that the issue had come as a result of discussions with a manufacturer regarding UL’s application of the Standard on sealing devices. The manufacturer in discussion with UL advised UL of various interpretations. Mr Slowinske continued that UL felt that it would be good to have some discussion during the ExTAG Meeting advising that UL is seeking consistency on the application of this Clause. He then went on to discuss UL’s understanding of the Clause. The Chair then asked the members if they had any questions relating to UL’s understanding/ interpretation. As there were no questions the Chair then suggested, that in order to achieve consistency, we should consider generating a Draft Decision Sheet. He asked Mr. Slowinske if he would take on the task Mr. Slowinske agreed. The meeting agreed to record the following decision.

**Decision 2019/17**

Members considered the points raised during the discussion on the discussion paper prepared by UL LLC (and circulated at ExTAG/594/CD) and agreed that there is a need to prepare a draft ExTAG Decision Sheet. This work to be carried out by Mr Slowinske, UL LLC

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**6.12 Other Items**

The Chair explained that this item is an opportunity to discuss other items not included in the agenda. Mr. Agius advised that Mr. Sinclair of SGS BASEEFA wished to discuss the new QAR Form. The Chair invited him to speak. Mr. Sinclair began by saying that there had been mutterings among the staff at BASEEFA regarding their experience in using the new QAR form. He continued that some parts of the form are more extensive while other parts seem to be missing, He advised that this had been discussed at the recent GB shadow committee meeting and that other ExCBs in attendance had expressed the same difficulties with the form. He informed the meeting that he had been in discussion with the Convenor of ExMC WG 05 (Assessment and Audit of Manufacturer’s Quality systems) asking that the WG take on board comments from other ExCBs as well. The question was then asked if other ExCBs were experiencing the same issues.-

LCIE had experienced difficulties suggesting revision of the form

CML same feedback

EMT suggested that the sheer size of the form, instructions to fill clauses should be a summary requirement and that it is taking considerably more time to complete.

Mr Teather, WG05 Convenor, agreed that the form is long, suggesting that there are things that can be done. He advised that he will be reporting on Friday during the ExMC Meeting and will take the comments into account, Mr Coppler, TC31 Chair, agreed to reviewing the current form suggesting that a macro, that would hide unrelated clauses in the Annex, would be helpful. The meeting agreed to record the following decision.

**Decision 2019/18**

Members considered the points raised by Mr Sinclair regarding the use of the new QAR Form and ExTAG asks ExMC to task ExMC WG5 to conduct a review of the form.

As there were no other items within the closed session the Chair thanked the members for a very fruitful meeting

**End of Restricted Session**

# ExTAG Working Group Status - Review

The Chair introduced this item of the meeting dedicated to review of the status of ExTAG Working Groups and current activities

## ExTAG WG01, Preparation and maintenance of ExTRs

**Document discussed:**

**ExTAG/579/R** Report from ExTAG Working Group 01 (WG01):

Preparation of assessment and test report forms (ExTRs). The Chair commenced this item by advising that the Convenor of ExTAG WG01, Mr. Paul Kelly, US, was unable to attend the meeting. He informed the members that Mr. Scott Kiddle, US, a member of WG01 would present the report. The Chair also advised that Mr. Kelly, who had previously issued a revised document, ExTAG/579A/R, had yesterday provided a further update which was issued as a green paper document ExTAG(Dubai/UL)05.

The Chair commented that the report raises a number of questions and items that are currently being dealt with by ExTAG WG01. He suggested that we wait for WG01 to continue its deliberations and come back with clear proposals for ExTAG to consider. The members agreed. The members then discussed Item 6 relating to ISO/IEC 17025 and IECEx ExTRs. The report advised that several IECEx NC representatives had received National audit findings indicating that the IECEx ExTRs, issued by them, do not comply with ISO/IEC 17025. The Convenor asked that as there are different opinions within WG01, they are seeking guidance/clarification from the ExTAG, concerning the issue of recording “Dates that tests were conducted” when compiling ExTRs. After discussion, it was agreed, to consider the inclusion of date of tests performed within the ExTRs in order to comply with requirements of ISO/IEC 17025 as well as the expectations of accreditation bodies.

The ExTAG WG01Convenor requested that the ordering of all ExTR Blanks on the IECEx website to be from most recent Edition number first to least recent Edition number last under each Standard’s heading. The Executive Secretary, Mr. Agius, advised that this is underway.

The Chair thanked ExTAG WG01 for their continuous fruitful contribution. The meeting agreed to record the following decision.

**Decision 2019/19**

Members accepted the report (circulated as ExTAG(Dubai/UL)05) from ExTAG WG 01 prepared by the Convenor, Mr Paul Kelly, regarding the creation, revision and update of Ex Test Report templates to be used in the IECEx System. It was agreed that ExTAG WG01 be asked to continue work and provide an updated proposal on their Items 1 to 5 inclusive. ExTAG also supported ExTAG WG01’s Item 6 to consider the inclusion of date of tests performance within the ExTRs in order to comply with requirements of IEC/ISO 17025 and expectations of some accreditation bodies

**7.2 ExTAG WG 03 Documentation and Drawing Requirements**

**Documents noted:**

[**ExTAG/581/R**](https://www.iecex.com/dmsdocument/3093)Report from ExTAG WG 03 – Documentation and Drawing Requirements

[**OD 017**](https://www.iecex.com/dmsdocument/1784)**– Revised New Edition: -** Drawing and documentation Guidance for IECEx Certification – for use by Manufacturers and ExTLs

[**DS 2015/017**](https://www.iecex.com/dmsdocument/49) **–** Decision Sheet regarding manufacturer’s instructions

The Chair invited the convenor of the ExTAG Working Group 03, Mr. Ron Webb, to give a report. Mr. Webb advised that, although the WG had not met for some time, an updated document had been prepared and published taking into account comments received from the circulation of earlier drafts. He also advised that WG03 will prepare a further revision of OD017 taking into account technical comments contained in ExMC/1442A/DV which had not been included in this edition. The members then, after some discussion, agreed that as a revised version of OD 017 has now been published, DS 2015/017 – Decision Sheet regarding manufacturer’s instructions, can now be withdrawn. The Chair thanked Mr Webb and the WG03 members for their work, also, reminding Mr Webb of the earlier meeting decision, to consider the aspect of the transferring of documents between ExCBs for the purpose of achieving National Certification, in their next revision of OD017. The meeting agreed to record the following decision.

**Decision 2019/20**

Members accepted the report from ExTAG WG 03 Convenor, Mr Ron Webb circulated as ExTAG/581/R regarding the publication of a revision IECEx OD 017. It was agreed that ExTAG Decision Sheet DS 2015/017 should be withdrawn. The WG agreed to prepare a further revision taking into account technical comments from ExMC/1442A/DV that were not included in Edition

**7.3** **ExTAG WG 06 Rules of procedures for Testing at Other Locations**

**Documents considered:**

[**ExTAG/554/R**](https://www.iecex.com/dmsdocument/2890) **–** Report from the ExTAG WG6 2019 Singapore Meeting

[**ExTAG/553/CD**](https://www.iecex.com/dmsdocument/3058)– Update/Revision to IECEx OD 024

[**IECEE OD 2048**](https://www.iecex.com/dmsdocument/3079)– Latest draft IECEE OD 2048 for testing at client locations

[**ExTAG/556/CD**](https://www.iecex.com/dmsdocument/3059) **–** Draft Amendment to OD 033, Unit Verification, to enable use of OD 024 for Unit Verification  
 [**ExMC(Dubai/CN)02**](file:///C:\Users\christine.kane\AppData\Local\Microsoft\Windows\Temporary%20Internet%20Files\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\Action%20Items%20from%20Meetings\2019%20Dubai\Docs_Posted\ExMC_Dubai_CN_02.pdf) - CN comments regarding supporting an open Register of OD 024 Test Facilities

The Chair invited Mr. Agius as the Acting Convenor of ExTAG WG06, to give a report. Before reporting Mr Agius advised that a proposal had recently been received from China, received after the ExMC linked agenda had been published, and is available on the meeting web site as Green Paper ExMC(Dubai/CN)02. He continued, that while it is for ExMC to consider the proposal it is suggested that this be considered, initially, by ExTAG as it affects the work of the ExTAG WG06. He then continued, informing the members that a meeting had been held in May 2019 during the Operational Meetings held in Singapore. Mr Agius referred the meeting to the meeting report, ExTAG/554/R, advising that 4 main recommendations had come out of the meeting-

Recommendation 1

That Updated draft for Edition 3.1 of IECEx OD 024 be accepted.

Recommendation 2

That OD 034 be reviewed to ensure consistent use of terms Product versus Equipment.

Recommendation 3: That ExTAG and ExMC support the provision of an On-Line OD 024 Register with public access that displays (noting the IECEE –CB Scheme example:

* Test Facility {Name + Address}
* Name of ExTL with whom holds the agreement
* Standard and Clause numbers covered by Agreement with ExTL
* Programs {eg Partial Witness Testing etc}

Recommendation 4: That OD 033 be revised in light of the application of OD 024 regarding witness testing.

Mr. Agius suggested that ExTAG recommend, to the 2019 ExMC Meeting, that ExTAG/553/CD, revision of OD 024 proceed to publication, that OD 034 be revised and also that ExTAG/556/CD, a proposed revision of IECEx OD 033, proceed to publication.

The Chair then asked members for any questions/comments. After some discussion the members agreed that the proposed revision of OD 024, after suggested amendments to permit publication of the register via an ‘opt in’ approach for existing agreements, has been completed, be recommended to the ExMC for publication. Also discussed, and agreed under the proposed revision of OD 024, was the creation of a specific register to be available on the IECEx website. The members also agreed to recommend to the ExMC that the revision to ExMC of OD033 proceed to publication and that OD034 be revised. The Chair suggested that the revision OD 033 and OD 024 include ATF references.

The Chair thanked Mr. Agius and the WG for their very productive work. Before concluding however Mr. Agius advised the members that he was, at present, the acting convenor and therefore a new convenor is now required. As there were no volunteers it was agreed for him to continue in this role. The meeting agreed to record the following decisions.

**Decision 2019/21**

Members accepted the report from Mr Agius as the Acting Convenor of ExTAG WG06 following their 2019 Singapore meeting (refer ExTAG/554/R).

**Decision 2019/22**

Members considered a proposed revision of IECEx OD 024 circulated as ExTAG/553/CD, and agreed to recommend to the 2019 ExMC Meeting that this proceed to publication (subject to an amendment to the proposed revision of OD 024 to permit publication of the register via an ‘opt in’ approach for existing agreements).

**Decision 2019/23**

Members agreed to recommend to the 2019 ExMC Meeting that OD 034 be revised.

**Decision 2019/24**

Members considered a proposed revision of IECEx OD 033 as circulated as ExTAG/556/CD, agreed to recommend to the 2019 ExMC Meeting that this proceed to publication.

**7.4** **ExTAG WG 10 Proficiency Testing**

**Documents noted:**

[**ExTAG/580/R**](https://www.iecex.com/dmsdocument/3073)Report from Tim Krause, Convenor ExTAG WG 10, Proficiency Testing.

[**IECEx OD 202**](https://www.iecex.com/dmsdocument/3061)IECEx Operational Document - IECEx Proficiency Testing Program

[**ExTAG/574/CD**](https://www.iecex.com/dmsdocument/3060) **–** Draft Revision to OD 202 Tim Krause, Convenor ExTAG WG 10, Proficiency Testing

[**ExMC/1542/CD**](file:///C:\Users\christine.kane\AppData\Local\Microsoft\Windows\Temporary%20Internet%20Files\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\Action%20Items%20from%20Meetings\2019%20Dubai\Docs_Posted\ExMC_1542_CD_US_CommentOD_202.pdf) – US remarks on OD 202 Revision

The Chair opened this item by reminding the meeting that it is mandatory for both Accepted and Applicant ExTLs to participate in the Proficiency Testing Programme. The Chair then invited Mr. Tim Krause, as Convenor of WG10, to report. Mr Krause gave a presentation on the progress and results of the recent proficiency testing programs and the current work for new programs being run as well as the older programs such as the 2010 Spark ignition test which has now been closed. He then advised that the following programs which are currently available:

• Flame Transmission –Test Round 2013

• Temperature Classification –Test Round 2013

• Electrostatic Charge –Test Round 2015

• Intrinsic Safety –Test Round 2015

• Explosion Pressure –Test Round 2017

• Pressurized Enclosure –Test Round 2017

• Tests of Enclosures –Test Round 2019

• Battery Testing –Test Round 2019

He also discussed the proposed revision of OD 202 which he advised had undergone an extensive revision. He asked that members consider the document as drafted. After some discussion, the members agreed that, once the changes, as suggested by the US were incorporated, the ExTAG recommend to the ExMC that the document go forward for publication. The Chair thanked Mr. Krause and his WG, and PTB, for their ongoing work which is so important to the IECEx. The meeting agreed to record the following decision.

**Decision 2019/25**

Members accepted the ExTAG WG10 report from the convenor, Mr. Tim Krause of PTB as circulated as ExTAG/580/R and also supported the proposed revision of IECEx OD 202 as circulated as ExTAG/574/CD with inclusion of the revision proposed by the US. The final version to be submitted to the ExMC for approval to publish.

**7.5 ExTAG WG 14 Certification of Ex Equipment Assemblies, IEC TS 60079-46**

**Document noted:**

[**ExTAG/582/R**](https://www.iecex.com/dmsdocument/3101) Report from ExTAG Working Group 14 (WG14): Certification of Ex Equipment assemblies

The Chair introduced this item advising that the Convenor, Mr Paul Kelly, had been unable to attend the meeting. Mr Mark Coppler, TC31 Chair, and member of WG14, would speak on the report. Mr. Coppler advised that a joint meeting between IEC/TC 31 PT 60079-46 and IECEx ExTAG WG14 had been held at PTB in Braunschweig (Germany) in June 2019, with another meeting possibly planned for April 2020. Mr. Coppler acknowledged that, although the decision taken in Cannes to withdraw DS 2015/001A on 2020-01-01 maybe considered as the WG completing its task, the WG is seeking direction from the ExTAG regarding its potential future options, either to make the WG inactive, or, for it to continue in its role as a WG but with the suggested wider terms of reference as follows-

“This Working Group was re-convened to monitor and support the work of PT 60079-46 in maintaining IEC TS 60079-46, and to provide feedback to ExTAG regarding any issues needing ExTAG consideration”

After some discussion it was agreed for the WG to continue its work with the wider terms of reference. The Chair thanked Mr. Kelly, Mr. Coppler and the WG for their past work and for their ongoing commitment to the work. The meeting agreed to record the following decision.

**Decision 2019/26**

Members accepted a report from Mr Coppler on ExTAG WG 14 work as circulated as ExTAG/582/R. It was agreed to keep the group active with an adjustment to its scope.

**7.6 ExTAG AdhocWG1** ***Modular concept for electrical Ex Equipment***

**Document noted:**

[**ExTAG/583/R**](https://www.iecex.com/dmsdocument/3072) Report from ExTAG AdhocWG1 Modular concept for electrical Ex Equipment

The Chair reminded the members that it was agreed during the 2018 Cannes Meeting that an Adhoc WG be convened to cover the topic of *Modular concept for electrical Ex Equipment.* Dr. Detlev Markus, of PTB, agreed to take on the role of convenor to develop an IECEx Operational Document. The Chair invited Dr Markus to report. Dr. Markus began by asking the members to consider/support the Draft Operational Document, ExTAG/583/R, which is to be seen as a supplementary document to OD 009 and OD 034. He continued that the purpose is to also to provide a standardised approach for the preparation of IECEx Certificates and Reports covering a Modular Combination. The Chair then asked the members if they had any questions or could the document proceed to ExMC for approval? Dr Munro suggested that the document required some tweaking/editing but that this should not stop the document going forward. Mr Ludlam commented on some definitions suggesting reference be made to TC31 WG22. The Chair then referred to the ExMC Secretary who asked if the members would agree with the proposal that the document go forward to the ExMC for comment and voting, at which time the suggested review could be carried out. He continued that the MC would then make decision as to how to handle comments. He concluded that it is important that the document move out of ExTAG and into the MC Process. The members agreed with this proposal. The Chair thanked Dr Markus for his work. The meeting agreed to record the following decision.

**Decision 2019/27**

Members accepted a report (as circulated as ExTAG/583/R) from the ExTAG ad hoc WG formed at the 2018 Cannes ExTAG meeting under the convenorship of Dr. Detlev Markus and also supported the proposed draft of a new IECEx Operational Document on the topic of Modular concept for electrical Ex Equipment (as circulated as ExTAG/583/R) to be submitted to ExMC for circulation for comment.

**7.7 Other ExTAG WGs**

**7.7.1 ExTAG WG12 Retention of Records, re OD 207**

**Document noted :**

[**OD 207**](https://www.iecex.com/dmsdocument/3118) **Retention of Records**

The Chair commenced this item by reminding the members that OD 207, Guidance on the Retention of Records, has been published for 2 years and that it is now time to consider the feedback that has been received by the WG. He invited the Convenor, Mr Jasmin Omerovic to report. Mr Omerovic reported that since the publication of the document feedback had been received from the US, on the use of the word “guidance” as well as the use of the word “should”, in multiple places. He advised that there had also been feedback from other bodies relating to some elements of Annex A. As a result of the feedback received, Mr Omerovic and the WG, thought that it was time to review and restructure the document. He reminded the members that before being able to do this that in 2017 the decision had been taken that the WG would remain on stand-by for possible future improvement and that therefore the WG would need to be reconvened. The Chair thanked Mr Omerovic and asked if there were any comments, there were no comments raised. He then advised the members that he would recommend to the ExMC, should they agree, that the WG be reconvened to revise the document. The members agreed. The Chair thanked Mr. Omerovic. The meeting agreed to record the following decision.

**Decision 2019/28**

Members considered the points raised during the discussion led by Mr Omerovic on feedback from the application of IECEx OD 207 Edition 1.0 and recommends to the ExMC that a process for the revision of OD 207 be commenced.

**8 ExTAG Decision Sheets – Current Status**

**8.1 Current Status**

***8.1.1 To note the current list of ExTAG Decision Sheets***

The Chair advised that this item is just for noting as members will be aware the Decision Sheets are available on the IECEx Web Site.

**Decision 2019/29**

Members noted the list of current ExTAG Decision Sheets available @ <https://www.iecex.com/publications/extag-decision-sheets/>

***8.1.2 Decision sheets and Draft DS not elsewhere covered on the agenda***

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**Document Noted:**

[**ExTAG/584A/Inf**](https://www.iecex.com/dmsdocument/3090) **–** Draft Decisions Sheets withdrawn by the Originator, since 2018 Cannes meeting

The Chair advised once again that this item is just for noting but is a useful document if looking for a document that has been withdrawn since the last meeting.

**Decision 2019/30**

Members noted the list (as circulated as ExTAG/584A/Inf) of Draft ExTAG Decision Sheets withdrawn by the Originator.

***8.1.3 Decision Sheet “Restricted requirements for Portable intrinsically safe equipment using Annex F***

**Documents Noted:**

[**DS 2019/006**](https://www.iecex.com/dmsdocument/3119) **–** Decision Sheet (updated version of ExTAG/549A/CD)

[**ExTAG/591/CC**](https://www.iecex.com/dmsdocument/3106) – Compilation of comments on ExTAG/549A/CD

The Chair asked the members to note that, on the basis of ExTAG/591/CC, the updated draft ExTAG/549A/CD has been published as DS 2019/006.

**Decision 2019/31**

Members noted that the updated draft ExTAG/549A/CD (ExTAG/591/CC) has been forwarded for publication as DS 2019/006

**8.2** **To re-confirm the following Decision Sheets, now falling under the**

**5 year review**

The following list of Decisions Sheets are due for re-confirmation under the 5year reconfirmation maintenance procedures. Members will be asked to re-confirm the following DS.

| **Number** | **Clause/Subject** | **Standard No.** | **Issue date** |
| --- | --- | --- | --- |
| DS 2014/005 | IEC 60079-2:2007 | Extent of Safety Devices to be specified in accordance with clause 7.3 | 2014-11-06 | |
| DS 2014/004 | IEC 60079-15:2010   (Edition 4.0)  IEC 60079-15:2005  (Third edition) | “X” conditions of certification for non-sparking low power equipment. | 2014-07-01 | |
| DS 2014/003 | IEC 60079-18:2009  (Edition 3.0)  IEC 60079-18:2004  (Second edition) | Determination of faults  This document was withdrawn and replaced by DS 2015/002 |  | |
| DS 2014/002 | IEC 60079-0:2011 | Specification of RTI. | 2014-05-01 | |
| DS 2014/001 | **All** | Treatment of Ex Components covered by Certificates issued to older editions of Standards. (This Decision Sheet has been renumbered from ExTAG DS 2014/007 to ExTAG DS 2014/001. There have been no other changes). Renumbered edition. | 2014-05-01 | |
| 2015/017 | Manufacturers Instructions | In noting publication of the new edition of OD 017 and that IECEx 02 no longer requires reference to manufacturer’s instructions in the IECEx CoC, it is proposed that DS 2015/017 be withdrawn | Withdrawal Proposed by LCIE | |

The Chair opened this 5 year review of the Decision Sheets published, in this instance in 2014 and one 2015, advising that there are six DS for consideration. Four for re-endorsement, one proposal for a DS to be withdrawn and also to note that one has already been replaced. He then asked the members to consider the list, with the meeting noting the following:

2014/005 Dr Munro suggested that this document be reviewed by the originator on the basis of the publication of IEC 60079-2 eds.5 and 6 and for a decision to then be made.

2014/004 The members agreed with UL that this DS should be retained

2014/003 DS replaced by DS 2015 /002

2014/002 The members agreed to retain this DS

2014/001 The members agreed to retain this DS as it is useful for all Standards

2015/017 The Chair reminded members of earlier discussion under Item 7.2 where the decision was agreed that with the revised edition of OD017 having been published Decision Sheet DS 2015/017 should be withdrawn.

The Chair thanked the members commenting that this 5 year re-endorsement or withdrawal of DS is a most important task in ensuring that all the relevant Decision Sheets are maintained. The meeting agreed to record the following decisions.

**Decision 2019/32**

The ExTAG request the originator to review the content of DS 2014/005 on the basis of the publication of IEC TS 60079-42 then to decide action.

[Secretariat Note: While Decision 2019/32 was agreed at the time, later in the meeting this decision was clarified by Mr Coppler that the reference should have been IEC 60079-2 eds.5 and 6.]

**Decision 2019/33**

DS 2014/004 to be retained

**Decision 2019/34**

No action on DS 2014/003 as it has already been withdrawn by DS 2015/002

**Decision 2019/35**

DS 2014/002 to be retained

**Decision 2019/36**

DS 2014/001 to be retained

**Decision 2019/37**

DS 2015/017 to be withdrawn

**8. 3 Review of process for the preparation and approval of Decision Sheets.**

**Documents Considered :**

[**IECEx OD 035**](https://www.iecex.com/dmsdocument/3063) **-** A procedure to generate, discuss, report and publish ExTAG Decision Sheets Edition 2.2

[**ExMC/1514/DV**](https://www.iecex.com/dmsdocument/3064)– Draft Revision of ExTAG OD 035 - A procedure to generate, discuss, report and publish ExTAG Decision Sheets (future Ed 2.3).

The Chair invited the ExMC Secretary, Mr Agius, to open discussion on the proposed revision of OD 035 document ExMC/1514/DV. Mr Agius asked if the members had any questions/comments on the document as circulated. Mr Mark Coppler, TC 31 Chair, asked that the following be included under Step 1 of the document “ *A copy of the correspondence to the liaison*” which he suggested would be very helpful in ensuring comment from TC31. He advised that with this addition they would agree with the document. Mr Agius asked if this would be an absolute? Mr Coppler considered the question and then suggested that it could be worded as “should be sent to the liaison” and that this inclusion would be acceptable. After further discussion the following text was agreed “*A copy of the correspondence should be sent to the TC 31 IECEx liaison*”. Dr Munro commented on the use of term “ExTAG secretary”, which due to an earlier decision, needs to be changed throughout the document. This was noted by other members. Mr Agius advised that this would be part of the editing process of the document before going forward to publication. Also discussed, again in Step 1, the suggestion that “The IECEx Secretariat, Chairman and IECEx TAG Secretariat” be changed to read as “The IECEx Secretariat, in consultation with the ExTAG Officers” was also agreed. Mr Coppler commented on possible instances where Standards are not covered at all, where the DS may concern only IECEx business, suggesting that a change needs to be made to take this into account. Mr Agius suggested to include in Step 1 to “*where applicable*”. This was agreed. Other minor suggestions were made to the document by Mr Agius which included in Step 1 the “Originator ~~should~~ to shall”. The members agreed to recommend that ExMC approves the publication of the OD with the minor changes proposed, and made to the document, during the meeting. The Chair thanked members for their contribution. The meeting agreed to record the following decision.

**Decision 2019/38**

The members considered, and then agreed, to recommend/support the publication of IECEx OD 035 circulated as ExMC/1514/DV, with the minor changes proposed during the ExTAG meeting, to the 2019 ExMC Meeting.

**9 ExTAG Proposed Decision Sheets in progress**

**9.1** ***Draft ExTAG Decision Sheet - Suffix “X” and “U” to the certificate.***

**Documents considered:**

[**ExTAG/536B/CD**](https://www.iecex.com/dmsdocument/3082)**-** Revised Draft ExTAG Decision Sheet ExTAG/536/CD Suffix “X” and “U” to the certificate.

[**ExTAG/571/CC**](https://www.iecex.com/dmsdocument/3081) **–** Compilation of Comments on ExTAG/.536A/CD

[**ExTAG/592/CC**](https://www.iecex.com/dmsdocument/3107) **-** Compilation of Comments on ExTAG/536B/CD

[**ExTAG/592A/CC**](file:///C:\Users\christine.kane\AppData\Local\Microsoft\Windows\Temporary%20Internet%20Files\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\Action%20Items%20from%20Meetings\2019%20Dubai\Docs_Posted\ExTAG_592A_CC-ExTAG-536B-CD.doc) - Additional Comments received from DEKRA NL

The Chair advised that following discussion in Cannes, 2018, a revised Draft ExTAG/536B/CD has been prepared by SITIIAS/NEPSI, CN, and is currently issued for consideration by ExTAG. He also advised that a revised ExTAG/592A/CC has recently been added to include additional comments from DEKRA, NL, received after the closing date. He then invited the originator Ms Lu, NEPSI, who provided a brief background regarding the Draft DS confirming that it has now been agreed to take into account TC31 MT notes as well as other comments received and then for the document to proceed to publication. The Chair reminded the members that the Draft DS has already been circulated twice and that this is the third revision. The Chair also commented that if you look at the IECEx On-Line Certificate system for many products, which are the same, there is some deviation, some add X and some bodies add U. He continued that we need this to be clarified for consistency within the scheme. The Chair suggested that the originator revise/modify ExTAG/536B/CD taking into account comments contained in ExTAG/592A/CC and then to provide a document to the Chair and secretary to review and make decision for publication. The meeting agreed to record the following decisions.

**Decision 2019/39**

Members considered

* the revised draft Decision Sheet circulated as ExTAG/536B/CD and
* the associated Compilation of Comments on ExTAG/536A/CD (refer ExTAG/571/CC)
* the associated Compilation of Comments on ExTAG/536B/CD (refer ExTAG/592/CC)
* additional comments received from DEKRA NL (refer ExTAG/592A/CC)

and agreed to request the originator, SITIIAS/NEPSI, CN, to prepare an updated draft ExTAG Decision Sheet based on the comments in ExTAG/592A/CC

The updated draft to be forwarded to the ExTAG Chairman and Secretary for consideration and approval to proceed to publication.

**9.2.1** **Smartphone or a tablet containing a LED to support a camera function**

**Documents considered:**

[**ExTAG/540B/CD**](https://www.iecex.com/dmsdocument/3091) **-** Revised Draft ExTAG Decision Sheet – Smartphone or a tablet containing and LED to support a camera function.

[**ExTAG/585/CC**](https://www.iecex.com/dmsdocument/3092) Compilation of comments and observations on Revised Draft ExTAG Decision Sheet ExTAG/540A/CD – Smartphone or a tablet containing an LED to support a camera function

The Chair asked the meeting to consider Draft DS ExTAG/540B/CD as prepared by PTB, DE along with the comments contained in ExTAG/585/CC to determine whether or not this DS should proceed to publication. The Chair then invited Dr Detlev Markus, PTB, DE, to speak. Dr Markus advised that this revised document has been prepared taking into account comments received and contained in ExTAG/585/CC. He continued that he believes that the draft can now go forward for publication as a Decision Sheet. The members were reminded that this document is now in its third round. The Chair then asked for comments/questions. There followed considerable discussion as to whether a mobile phone is a luminaire/hand light. The majority of members agreeing that a mobile phone is a phone and should not be considered a luminaire/hand light, that it’s primary design is not that of a luminaire. Mr Agius, after listening to discussion commented that he was pleased that the discussion was taking place in this forum as this issue could not possibly be finalised via correspondence. He then suggested, in the interest of arriving at a decision, that changes to the Draft DS be made as we go. He sought the assistance of TC 31 Chair, Mr. Coppler. As discussion continued it was suggested that as TC 31 WG 22 would be meeting in about 4 weeks that we refer discussion to that meeting. This suggestion was rejected as it was considered that a document needs to be made available sooner rather than later. The decision was then taken to make amendments as we go to allow the Draft DS to go forward as a DS and, then, if necessary, revise the document later. The Draft DS was then amended on the screen with the final wording being agreed by the members. The meeting agreed to record the following decision.

**Decision 2019/41**

Members considered the updated draft Decision Sheet circulated as ExTAG/540B/CD and the associated Compilation of Comments on ExTAG/540B/CD (refer ExTAG/585/CC) and agreed to proceed to publication with the amendments agreed at this ExTAG Meeting (noting that there is always an opportunity for future revisions in response to further consideration by, for example, IEC TC31 WG22).

**9.2.2 Infallible Shunt Safety Assemblies for voltage limitation of intrinsically safe equipment**

**Documents considered:**

[**ExTAG/560A/CD**](https://www.iecex.com/dmsdocument/3098)RevisedDraft ExTAG Decision Sheet – Infallible Shunt Safety Assemblies for voltage limitation of intrinsically safe equipment

[**ExTAG/589/CC**](https://www.iecex.com/dmsdocument/3099) Compilation of comments and observations on Draft Decision Sheet ExTAG/560/CD– Infallible Shunt Safety Assemblies for voltage limitation of intrinsically safe equipment

The Chair advised that this documenthas been prepared by ExTC, AU. He then asked Mr. Gavranich, ExTC, AU, to speak on the Draft DS. Mr Gavranich asked that this Draft Decision Sheet be approved as it had now been circulated for two rounds and that the document for discussion had taken into account comment received on the original draft DS. The Chair asked if there were any questions. Mr Cameron, Convenor TC 31/SC31, suggested that the reviewed red paragraph contained in the revised document was still open to interpretation, commenting that it seems to add even more confusion as it is now written. Mr. Slowinske, UL agreed that there still exist different ways of interpretation. Mr Ludlam, GB, advised that the MTs have previously discussed this at length and will take into account comments received to make it clear in the next edition of the Standard. Mr Gavranich replied that it cannot wait for the next edition that we need to assist the market today. He continued that ExTC believe that the DS as written is the mechanism to do this until the revised edition has been published. It was finally agreed that the DS not proceed to publication but discussion between the originator and the MT Convenor continue. The meeting agreed to record the following decision.

**Decision 2019/42**

Members considered the updated draft Decision Sheet circulated as ExTAG/560A/CD and the associated Compilation of Comments (circulated as ExTAG/589/CC) and agreed that the draft Decision Sheet NOT proceed to publication. Subsequently the originator agreed to consider advice from the MT Convenor in the preparation of a revised draft Decision Sheet. The meeting agreed that the revised draft Decision Sheet will then be considered by the ExTAG Chairman for approval for publication.

**9.2.3 Revision of DS 2018/006 - Creepage distances and clearances of non- sparking ballast in non-sparking luminaire**

**Documents considered:**

[**ExTAG/544/CD**](https://www.iecex.com/dmsdocument/2739) Draft Revision of DS 2018/006

[**ExTAG/593/CC**](https://www.iecex.com/dmsdocument/3108) Compilation of comments and observations on ExTAG/544/CD Revision of ExTAG Decision Sheet 2018/006 – Creepage distances and clearances of non-sparking ballast in non-sparking luminaire

The Chair introduced this item by seeking comment from Mr Coppler, Chair of TC 31, as an originator of the Draft DS along with the IECEx Secretary, Mr Agius. Mr Coppler advised the meeting that TC 31 had been in agreement with ExTAG/544/CD as published in March 2019 in response, however, to comment received, and included in ExTAG/593/CC, he advised that TC 31 can accept the proposed text from INERIS with the exception of the term “driver’ suggesting the term could be “control gear” . He also advised the meeting that TC 31 would not be accepting the TIIS comments. The decision was taken that Mr. Coppler, along with the IECEx Secretary, prepare the final Decision Sheet for publication taking into account INERIS’s comments and with the modification of the term “drivers’ in answer 2. The meeting agreed to record the following decisions.

**Decision 2019/43**

Members considered the updated draft revision of Decision Sheet 2018/006 (as circulated as ExTAG/544/CD and the associated Compilation of Comments (circulated as ExTAG/593/CC) and agreed to proceed to publication (with a revision to the INERIS comments as proposed by Mr Coppler but not incorporating the comments from TIIS).

**10** **New topics (suggestions for topics to be dealt with during the next ExTAG Meeting)**

The Chair suggested that this item provides an ideal opportunity for members to raise topics for discussion at future meetings. As there were no suggested topics, he finished by saying, that he would encourage members to provide input to the Secretariat if topics arise in the future as it is most valuable for the continuous improvement of ExTAG’s activities.

No decision recorded

**11 Contact with other International and Regional Bodies – Status review**

The IECEx Secretary to provide update of IEC/ILAC/IAF co-operation

Mr Agius reminded the meeting that IEC cooperate with ILAC (International Laboratory Accreditation Cooperation) and IAF (International Accreditation Forum) via a Memorandum of Understanding, MoU, which assists in cooperation of the IECEx peer assessment process and national accreditation.

He did outline a current issue being discussed at CAB level, that being IAF Resolution, 2018/013, concerning Non accredited certification. The meeting noted this issue and requested to be kept informed of developments with the meeting recording the following decision.

**Decision 2019/44**

Members accepted a verbal report from the IECEx Secretary as an update on ongoing IEC/ILAC/IAF cooperation.

Mr Agius then informed the meeting of cooperation between IECEx and OIML, noting that both Dr Swartz, President of OIML and Mr Dixon Assistant Director are attending these Dubai meetings for a special meeting of the Joint Working Group between OIML and IECEx, to be held this week and being reported at the ExMC meeting.

**12 Matters for proposal to ExMC**

The Chair advised that he would be preparing a report, as usual, to present during the ExMC Meeting. He then asked the meeting if, before preparing the report, there were any matters that they wished taken to the coming ExMC Meeting. There were no matters. He advised that he will be referring the following to ExMC

1. ExTAG support the alignment of the rules with others IECEx Committees by modifying the position of *ExTAG Secretary* to *ExTAG Deputy Chair*, with IECEx Secretariat handling the position until review of the rules.
2. ExTAG recommend ExMC to assign the task of revision of :
   1. OD 012 ExTAG Guide for Application of Uncertainty of Measurement to conformity for laboratory tests carried out under the IECEx System OD 012 and the reconvening of ExTAG WG04
   2. OD 033 to include OD 024 and ATF references
   3. OD 207 relative to retention of records
3. ExTAG supports the proposed revised edition of :
   1. IECEx 02 (ExMC/1517/DV)
   2. OD 024 (ExTAG/553/CD)
   3. OD 202 (ExTAG/574/CD) with consideration of US comment
   4. OD 035 (ExMC/1514/DV) with addition during ExTAG meeting
4. ExTAG recommend ExMC to proceed to the publication process for the new OD proposal relative to Modular concept for electrical Ex Equipment (ExTAG/583/R).

**13**  **Other Business**

The Chair asked if there was any other business. Mr Coppler requested that we go back to Item 8.2 DS 2014/005 and the action which recorded a reference IEC TS 60079-42. He apologised that the reference should have been IEC 60079-2 eds.5 and 6. The Chair thanked him for the clarification advising that Dr Munro had listed 60079-2 eds. 5 and 6 and that this was what had been recorded.

**14 Confirmation of next meeting, year and place**

The Chair asked that, as the ExTAG Meeting has consistently been aligned with the ExMC meeting, are the members happy for this to continue? The members agreed that the ExTAG will continue to meet in conjunction with the ExMC, noting the next meeting to be held will be in 2021 in Canada. He reminded the members that this will also be discussed later in the week during the ExMC Meeting. Before concluding this item he invited Mr. Agius to speak. Mr Agius asked the Members to note the acceptance of the kind invitation from QPS for the 2021 meetings to be held in Canada, and the kind invitation received from Japan for 2022 to be held in Tokyo. He advised that the planned dates for Niagra Falls, CA, are 28th September 2021 to 2nd October 2021, while for Tokyo the planned dates are 30th August to 3rd September 2022. Mr Agius then asked Mr. Morrison, QPS, CA, if he wished to add anything at this time. Mr Morrison advised that he will send an e-mail to the Secretariat quite soon with additional details.

Mr. Agius then informed the meeting that a proposal had been received from France requesting that future meetings be held in October, he said that this topic would be discussed during the ExMC Meeting later in the week, but just wanted members to be aware of the topic. He asked if Mr Gauthier, LCIE, FR, would like to speak on the FR proposal. Mr Gauthier said that the reason for the suggestion is that this date would allow sufficient time for National Committees to deal with matters before the timing of the IECEx annual meetings. He advised that the main issue is the document timelines and sought assistance from the Secretariat to make documents available in due time to allow meetings at the national level. Mr. Agius thanked Mr Gauthier for the explanation. The Chair thanked both Mr. Agius and Mr. Gauthier. The meeting agreed to record the following decisions.

**Decision 2019/45**

Members agreed that the ExTAG will meet in conjunction with the ExMC in 2020 in the week of 28th September to 2nd October in Canada.

**Decision 2019/46**

Members also agreed that the ExTAG will meet in conjunction with the ExMC in 2021 in Japan.

**15 Close of Meeting**

The Chair, before closing the meeting advised that, as was discussed earlier, Mr. Gauthier’s 5 year term is now up and that unfortunately he is no longer available to continue in this role. He continued that he wished to express, on his own behalf, and on behalf of the ExTAG, thanks to Mr. Gauthier for his tremendous contribution to the IECEx, adding that he hoped that Mr. Gauthier will continue to make a contribution to the IECEx as a delegate. He asked that these remarks be recorded in the ExTAG Report. Then as a small contribution for Mr. Gauthier’s work the Chair presented him with a Certificate of Appreciation and once again thanked him very much.

He then thanked ESMA and its sponsors for their superb planning of the meetings. He continued, that not only was the meeting planning carried out in an expert manner but also that the staff were not only extremely helpful, but also very friendly, which contributed to a good meeting. He then declared the meeting closed at 5.05 p.m.

| **ANNEX Action**  **No.** | **Mins**  **Item** | **Action** | **By Whom** | **Status** |
| --- | --- | --- | --- | --- |
| **1** | **3.4** | The ExTAG Chair to recommend to ExMC to change the ExTAG Secretary to the ExTAG Deputy Chair in order to align with the other IECEx Committees, e.g. ExSFC and ExPCC, | ExTAG Chair | Completed |
| **2** | **5.1** | The ExTAG secretariat to refer the draft Decision Sheet ExTAG/522C/CD to TC 31 MT 60079-11 for consideration for the next edition of the Standard (noting the comments and questions to this ExTAG Meeting to be taken into account. | ExTAG Secretariat to forward to Mr. Colin Cameron. | Completed |
| **3** | **5.2** | ExTAG/588/CD to be published as an ExTAG Decision Sheet subject to the inclusion (by Mr Sinclair and Ms Holdredge) of recognition of the relevant content of ExTAG(Dubai/UL)04. The ExTAG Chair to conduct a final review of the work of Mr Sinclair and Ms Holdredge prior to publication. | Mr Ron Sinclair and MS Katy Holdredge and then ExTAG Chair | Published as  DS 2020/003 Verification and Operation of Climate Chambers. |
| **4** | **5.4** | The ExTAG Chair to recommend to the ExMC agreement (ExMC/1515/CD) to revise IECEx OD 012 and also that ExTAG WG04 be reconvened in order to do so. | ExTAG Chair | Completed. |
| **5** | **6.5** | ExTAG Secretariat to withdraw DS 2019/001 once advice has been received from Mr. Nick Ludlam, TC 31 MT, of publication of the ISH. | ExTAG Secretariat and Mr. Ludlam | Completed. |
| **6** | **6.6** | ExTAG WG03 to include, in the next revision of OD017, a list of the documents that are expected to be transferred between bodies. | ExTAG WG03 Convenor, Mr. Ron Webb | After the meeting. |
| **7** | **6.7** | Mr Lankamp to convene an AdHoc Working Group to prepare a draft Decision Sheet on the issue of identifying ancillary equipment and the associated marking code identification on IECEx Certificates, with the assistance of Ms Holdredge, Mr Houeix, Mr Coppler, Mr Sinclair, Mr Balaz and Ms Lu. | Mr Fred Lankamp once AdHOC Group has been added to the web site. | Completed |
| **8** | **6.11** | Mr. Mike Slowinske, UL LLC, to prepare a Draft Decision Sheet concerning the application of Clause 9.1 of IEC 60079-15: 2017 for circulation and comment. | Mr Slowinske, UL LLC | After the meeting. |
| **9** | **6.12** | The ExTAG Chair will request ExMC to task ExMC WG05 to conduct a review of the new QAR form. | ExTAG Chair | Completed |
| **10** | **7.1** | ExTAG WG01 to continue to work and provide an updated proposal on their Items 1 to 5 inclusive contained in ExTAG(Dubai/UL)05).  ExTAG WG01 to consider the inclusion of date of tests performance within the ExTRs in order to comply with requirements of IEC/ISO 17025 and expectations of some accreditation bodies. (Item 6 contained in ExTAG(Dubai/UL)05). | Convenor ExTAG WG01 Mr Paul Kelly. | After the meeting |
| **11** | **7.1** | The ordering of all ExTR Blanks on the IECEx website from the most recent Edition number first to the least recent Edition number last under each Standard’s heading. | IECEx Secretariat | Completed |
| **12** | **7.2** | DS 2015/017 – Decision Sheet regarding manufacturer’s instructions to be withdrawn now that OD 017 has been newly published. | ExTAG Secretariat | Completed |
| **13** | **7.2** | ExTAG WG03 to prepare a further revision of OD017 taking into account the technical comments contained in ExMC/1442A/DV. | ExTAG WG 03  Convenor Mr. Webb | After the meeting |
| **14** | **7.3** | The ExTAG Chair to recommend to the ExMC Meeting that ExTAG/553/CD, revision of OD 024, proceed to publication. | ExTAG Chair. | Completed |
| **15** | **7.3** | The ExTAG Chair to recommend to the ExMC Meeting that OD 034 be revised. | ExTAG Chair | Completed |
| **16** | **7.3** | The ExTAG Chair to recommend to the ExMC Meeting that ExTAG/556/CD a proposed revision of IECEx OD 033 proceed to publication. | ExTAG Chair | Completed |
| **17** | **7.4** | The ExTAG Chair to recommend the publication of the revised edition of OD 202 to the ExMC. | ExTAG Chair | Completed |
| **18** | **7.5** | ExTAG WG 14 to stay active with an adjustment of its scope to be added to the web site. | ExTAG Secretariat | Completed |
| **19** | **7.6** | The ExTAG Chair to recommend to the ExMC Meeting IECEx that the Draft Operational Document on the topic of Modular concept for electrical Ex Equipment (as circulated as ExTAG/583/R) be submitted for circulation and comment. | ExTAG Chair | Completed |
| **20** | **7.7.1** | ExTAG Chair to recommends to the ExMC the revision of OD 207. | ExTAG Chair | Completed |
| **21** | **8.2** | The ExTAG Secretariat to request that the originator of DS 2014/005 to review the content on the basis of the publication of IEC 60079-2 eds.5 and then to decide action. | ExTAG Secretariat | After the meeting |
| **22** | **8.2** | DS 2015/017 to be withdrawn. | ExTAG Secretariat | Completed |
| **23** | **8.3** | The ExTAG Chair to recommend to the ExMC Meeting the publication of IECEx OD 035 circulated as ExMC/1514/DV. | ExTAG Chair | Completed |
| **24** | **9.1** | ExTAG/536B/CD to be revised by the originator, SITIIAS/NEPSI, CN, taking into account comments in ExTAG/592 /CC. The updated draft to be forwarded to the ExTAG Chairman and ExTAG Secretary for consideration and approval to proceed to publication. | SITIIAS/NEPSI, CN  /ExTAG Chair | Completed |
| **25** | **9.2.1** | ExTAG/540B/CD (refer ExTAG/585/CC) to proceed to publication with the amendments agreed at this ExTAG. | ExTAG Secretariat | Completed |
| **26** | **9.2.2** | The originator of ExTAG/560A/CD, ExTC, AU, to consider advice from the TC 31/SC31G Convenor and then to prepare a revised draft Decision Sheet. The revised document then to be considered by the ExTAG Chairman for approval for publication. | ExTC, AU, ExTAG Chair and the MT Convenor | After the meeting |
| **27** | **9.2.3** | ExTAG/544/CD to proceed to publication after taking into account comments contained in ExTAG/593/CC . | TC 31 Chair and IECEx Secretary. | After the meeting |