



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

Title: Working Group WG1 - Revision of IECEx Scheme Rules and Procedures, Singapore 2019, Meeting Agenda and Report

INTRODUCTION

This document sets out the report of the 7 May 2019 meeting of ExMC WG 1 held in Singapore as part of the 2019 IECEx series of Operational Meetings. The report includes the following 5 recommendations which will be presented for ExMC consideration during the September 2019 Dubai Meeting.

RECOMMENDATION 1: That WG1 agreed that: *“Understanding of the application of Clause 6.6.4 Laser, Luminaires and other non-divergent continuous wave optical sources and the scope of IEC 60079-28 sufficiently to know if application of IEC 60079-28 is applicable”* **by adding an additional bullet point in the TCD to address the awareness of IEC 60079-28 and how the Assessors use the TCD for IEC 60079-0**

RECOMMENDATION 2 (from 2018 ExMC WG1 meeting): That ExMC support that AdHoc WG review clause 8.1.3 of IECEx 02 regarding content of the Certificate and revise so content captures all Manufacture locations as listed on the QAR.

RECOMMENDATION 3: That ExMC approve amendment to IECEx 02 Rules to reflect changes to clauses 8.1.3 and 8.3.3 that only require manufacturing countries be shown on the certificates and that all sites audited, Manufacturing sites and production sites to be listed on the QAR summary. (refer to revision of 02 clauses.)

RECOMMENDATION 4: Accept the minor editorial changes to OD 009 Ed 4.2, Section 4, as presented

RECOMMENDATION 5: Updated document Guide to go forward for ExMC approval addressing the situation of Acquisitions/Withdrawals of ExCBs from the IECEx Schemes, following a review by ExMC WG1, via correspondence.

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

MEETING REPORT

**Held at IEC Asia – Pacific Regional Centre Singapore
on Tuesday 7th May 2019 (commencing at 9:00 a.m)**

Attendance:

Mr. Martin Cole - Convenor	IECEX Vice Chairman / Hubbell
Mr. Roy Teather	DNVGL
Mr. Michael Slowinske	UL LLC
Mr. Chris Agius	IECEX Executive Secretary
Mr. Gunter Gabriel	Pepperl+Fuchs
Mr. Thierry Houeix	IECEX Treasurer / INERIS
Mr. Ulrich Jacobs	TUV SUD
Mr. Jasmin Omerovic	UL Int. Demko A/S
Mr. Ron Sinclair	SGS Baseefa
Dr. Jim Munro	JMIC
Dr. Thorsten Arnhold	IECEX Chairman / STAHL
Mr. Heinz Berger	CERTICONSULT
Mr. Francesco Esposito	Engineering & Compliance/IMQ
Mr. Karel Neleman	BARTEC
Mr. Mike Roy	IECEX Secretariat
Dr. Frank Lienesch	PTB
Prof. Jianping Xu	NEPSI
Mr. Geoff Barnier	SIMTARs
Ms. Yulia Tikhonenko	NANIO CCVE
Mr. Mark Coppler	IEC TC31
Mr. Paul Meanwell	SANC
Mr. Giovanni Hummel Borges	Brazilian NC (HG Inspections)
Mr. Evans Massey	ABB Motors and Generators
Mr. Jukka Hannuksela	ABB Motors and Mechanical Inc.



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MEETING AGENDA + REPORT

Meeting of IECEx ExMCs

**Working Group WG1 – Revision of IECEx Scheme Rules and Procedures
*and***

Working Group WG5 – Quality System requirements of Ex Manufacturers

**To be held at IEC Asia – Pacific Regional Centre (IEC-APRC)
on Tuesday 7th May 2019
(Commencing at 9:00 a.m.)**

DRAFT AGENDA

(all documents referenced in **blue text** are in the WG1 Meeting Pack)

SUBJECT	Discussion Leader
<p>1. OPENING OF THE <u>WORKING GROUP 1 MEETING</u> Opening by the Convenor, self-introduction of the participants, and noting of apologies for absence Site safety introduction</p> <p>Apologies from M Brenon, Otto Walch, Gerold Klotz-Engman</p> <p>The Convenor opened the meeting at 0905 welcoming members and noting apologies received</p>	WG1 Convenor
<p>2. <u>WG1 Terms of Reference and Membership</u> Members to <u>confirm</u> WG1 Terms of Reference and Membership (as indicated on IECEx Website).</p> <p>The Convenor referred to the terms of reference for this WG with the meeting agreeing that they do not need changing at this time.</p> <p>The meeting then reviewed the membership noting a few of the members not attending nor participating for some time and agreed for the Secretary to contact them seeking reason why they should not be removed from the membership.</p> <p>ACTION: Secretariat to contact certain members to ask for them to show cause why they should not be removed from the membership due to lack of participation</p>	WG1 Convenor

SUBJECT	Discussion Leader
<p>3. APPROVAL OF THE AGENDA – Working Group 1 Members are asked to <u>consider</u> any other items for raising that are not listed on the agenda and then approve the agenda as presented here or as amended to include agreed additional items.</p> <p>The meeting approved the agenda without change</p>	Members
<p>4. Outcome of WG1 Report and Recommendations to the ExMC 2018 Weimar meeting Members to <u>note</u> the ExMC's acceptance (via Decision 2018/34) of all WG1 recommendations submitted to ExMC following the 2018 WG1 Weimar meeting as ExMC/1393/R.</p> <p>Members to <u>also note</u> that the 2018 ExMC Meeting approved the publication of the proposed revisions of:</p> <ul style="list-style-type: none"> • IECEX 02 Edition 7.0 • IECEX OD 010-2 (ATF requirements) • IECEX OD 009 • IECEX OD 202 <p>OD Documents were shown from IECEX website. Suggestions were put forward to review order of Schemes.</p> <p><u>ACTION: Update OD website page so Schemes are listed as suggested. Also, update Password protocol so this is required prior to searching for a document</u></p>	WG1 Convenor
<p>5. IEC Conformity Assessment Systems Harmonised Basic Rules Members to <u>receive a report</u> from the IECEX Secretary regarding the status of <i>IEC Harmonised Basic Rules</i> and <u>note</u> the publication of:</p> <ul style="list-style-type: none"> • <i>IEC CA 01 Edition 2.3 – IEC Harmonised Basic Rules</i> • <i>IECEX 01-S, Edition 2.0 – IECEX Supplement to IEC CA 01 {Pending CAB Approval}</i> <p>Chris explained that the Basic Rules have been harmonised across IEC CA Systems via IEC CA 01 and that the Supplement IECEX 01-S has been created so it addresses specific requirements that are specific to IECEX. He advised that edition 2.3 of IEC CA 01 now includes a requirement for National member Bodies that are not also IEC National Committees (NCs), to have their nomination by the NCs reconfirmed every 5 years. He also informed that the updated edition of IECEX 01-S (IECEX Supplement) covers the new IECEX Assessment Group (ExAG) who will have their first meeting this week. The meeting was reminded that the two documents, IEC CA 01 + IECEX 01-S together make up the Basic Rules.</p> <p><u>ACTION: Editorial error IECEX 01-S in clause 6 where bullet point starts as D. Secretariat to amend and post revised document on IECEX website. Note: Action Completed.</u></p>	WG1 Convenor & IECEX Secretary
<p>6. Proposed consideration by WG1 of document ExTAG/500/CD concerning Performance Standards</p>	Secretary / Convenor

SUBJECT	Discussion Leader
<p>ExTAG recommends that ExMC WG1 considers the document ExTAG/500/CD relative to CoCs for Ex Equipment against performance standards for further guidance to ExTAG on this matter, noting the ExTAG decision to refer this matter to ExMC and possibly ExMC WG1 for consideration.</p> <p>The meeting recapped over the draft ExTAG Decision Sheet and the principle of whether or performance standards should be automatically applied, noting the current statement on IECEx certificates indicating that only the Standards listed on the certificate are covered. The meeting took a discussion whether or not this current statement is adequate, noting that if a Standard is not listed on page 2 of the Certificate then it is not covered.</p> <p>The meeting further noted that those using the IEC Standards and IECEx certificates should have a working knowledge to cover their respective roles and the knowledge on what the equipment is certified for. TC31 Chair confirmed that Standards do not automatically include a reference to performance standards as part of the Standards.</p> <p>TC-31 Chair explained history of -28. A draft interpretation sheet was published.</p> <p>Outcome: The meeting did not support the draft DS but would support the Draft DS with a reduced answer noting this WG Recommendation 1 relating to the updating of the TCD for IEC 60079-0 as proposed by ExMC WG2</p>	
<p>7. WG1 to consider the AU proposal ExMC/1406/CD AU Proposal to introduce a new IECEx Operational Document (OD) to address issues surrounding use of light sources within Ex equipment.</p> <p>The meeting took a discussion on the AU proposal as requested by the ExMC with some concerns being expressed regarding the an idea of mandating -28 and posed the question why not mandate other related standards.</p> <p>Outcome: Following discussions the meeting resolved to support the outcome from ExMC WG2 to add additional competence requirements to the TCD for IEC 60079-0 to ensure that ExTL staff have competence to be able to determine whether IEC 60079-28 does exist or not</p> <p><i>ExMC WG2 Proposed additional wording to the competencde requirements of TCD for IEC 60079-0:</i></p> <p><i>Understanding of the application of Clause 6.6.4 Laser, Luminaires and other non-divergent continuous wave optical sources and the scope of IEC 60079-28 sufficiently to know if application of IEC 60079-28 is applicable”</i></p> <p>The meeting agreed that this plus a provision for recording the ExTLs findings to be included in the ExTR so we are clear that bodies have looked at this clause and understand its intent. Jim Munro as member of ExTAG WG1 will take this up with ExTAG WG1</p>	Secretary / Convener

SUBJECT	Discussion Leader
<p>RECOMMENDATION 1: That WG1 agreed that: “Understanding of the application of Clause 6.6.4 Laser, Luminaires and other non-divergent continuous wave optical sources and the scope of IEC 60079-28 sufficiently to know if application of IEC 60079-28 is applicable” by adding an additional bullet point in the TCD to address the awareness of IEC 60079-28 and how the Assessors use the TCD for IEC 60079-0</p>	
<p>8. WG1 to review Clause 8.1.3 of IECEx 02 regarding content of certificates WG1 AhG to report of their meeting held evening of 6th May Singapore</p> <p>RECOMMENDATION 2 (from 2018 ExMC WG1 meeting): That ExMC support that AdHoc WG review clause 8.1.3 of IECEx 02 regarding content of the Certificate and revise so content captures all Manufacture locations as listed on the QAR.</p> <p>This was accepted by the MC so now AdHoc WG to give a report</p> <p>AdHoc Members:- Roy Teather – Convener SGS Baseefa – to nominate Mike Roy – Secretariat Thierry Houeix . – INERIS Uli Jacobs – TUV SUD Jasmin Omerovic. – UL DEMKO</p> <p>The meeting noted that the WG1 AdHoc Group held a meeting the evening prior with Mr Teather providing the meeting with a report and the Groups suggestions that:</p> <ul style="list-style-type: none"> • All Manufacturing Countries be listed on Certificates. All Manufacturing sites and Production sites that were audited are to be shown on the QAR summary <p>The meeting discussed the report from Mr Teather and agreed with the proposed changes to IECEx 02 as proposed by the AdHoc Group and also agreed that the information of sites audited as recorded on the QAR summary is to be determined by the ExCB.</p> <p>IECEx 02 Ed7.1 to be modified to capture Additional Manufactures locations – to be Countries. The other change proposed is the 8.3.3 layout. The on-line QAR shall note all manufacturers CoCs New Comment: Manufacturing location Sites may be located in any of the following countries.</p>	<p>Secretary / Convener</p>

SUBJECT	Discussion Leader
<p>This needs to be reported to ExMC</p> <p>RECOMMENDATION 3: That ExMC approve amendment to IECEx 02 Rules to reflect changes to clauses 8.1.3 and 8.3.3 that only require manufacturing countries be shown on the certificates and that all sites audited, Manufacturing sites and production sites to be listed on the QAR summary. (refer to revision of 02 clauses.)</p>	
<p>9. Revision of IECEx OD 009</p> <p>9.1 Members to <u>consider</u> the proposed changes to IECEx 009 as circulated in the meeting pack – IECEx 009 Ed4.2, Section 4</p> <p>ACTIONS: The document was reviewed by ExMC WG01 and the following sections were updated with minor editorial changes as noted in the document. Step 2: was revised to be clear. Step 7: Revised. Step 8: Editorial change accepted Step 10:11,12: Editorial change accepted Step 13: Minor editorial change</p> <p>RECOMMENDATION 4: Accept the minor editorial changes to OD 009 Ed 4.2, Section 4, as presented</p>	WG1 Convenor
<p>10. Proposed Revision to OD 033</p> <p>Members to note the need for editorial update to OD 033 to:</p> <ul style="list-style-type: none"> • amend Item 4 of Annex A it states “Formal application to ExCB (and contract for work), including...Ex marking plate information and zone where product is going to be installed” to replace with “Equipment Protection Level (EPL)” • replace references to ISO Guide 65 with ISO/IEC 17065 <p>The meeting noted the need to inform the community of the changes even if editorial</p> <p>The meeting took a discussion on the possibility of allowing up issues of Unit verification certificates with some confusion over the use of similar approaches under ATEX. While this issue maybe discussed further the meeting reinforced that for a Unit verification Certificate a new CoC would need to be issued to address modifications to the already certified product. The meeting concluded to leave the OD 033 as is.</p>	
<p>11. Proposed Revisions to IECEx 02</p> <p>11.1 US Proposal from ExMC 2017 meeting</p>	WG1 Convenor

SUBJECT	Discussion Leader
<p>Members to receive a <u>report</u> from the Adhoc Group of Mr. Slowinske and Mr. Roy to develop a Draft Operational Document as a guide for the situation of Acquisitions/Withdrawals of ExCBs. Note report for review and comment – AcquisitionsWithdrawals of CBs_Draft02 in WG1 Meeting Pack.</p> <p>Extract from original request as raised in Weimar:-</p> <p><i>Dear Mr. Agius:</i> <i>The USNC/IECEX request that ExMC WG1, Technical Revision of IECEX scheme rules, revise the IECEX Scheme Rules 02 to address acquisitions and mergers. IECEX 02, Clause 11.1.2, Application, is limited to addressing new applicant ExCBs to the IECEX Scheme. No consideration has been given to a situation of a takeover of an existing ExCB's operations by either an existing ExCB or a new legal entity. With the closure of ExMC/1225/DV, (i.e., the IECEX Report for the acceptance of the transfer of ExCB and ExTL activities from TUV Rheinland Australia to Ex Testing and Certification Pty Ltd....), WG1 has an example for developing a proposal to revise IECEX 02 to address submission of an application from either an existing ExCB or a new certification body seeking to become an Ex Certification Body through the acquisition or merger with an existing Ex Certification Body.</i></p>	
<p>ACTION: The meeting considered the draft prepared by the AdHoc WG of Mike S and Mike R and agreed to have them consider the inclusion of information to address the situation if an unplanned shutdown of an ExCB and then for the draft to go forward for ExMC consideration.</p>	
<p>RECOMMENDATION 5: Updated document Guide to go forward for ExMC approval addressing the situation of Acquisitions/Withdrawals of ExCBs from the IECEX Schemes, following a review by ExMC WG1, via correspondence.</p>	
<p>12. Consideration of any additional work for WG1 for the immediate future.</p> <p>The opportunity to <u>discuss</u> items that relate to the IECEX Equipment Certification Scheme Rules ahead of the next ExMC meeting in Dubai in September 2019.</p> <p>Evans Massey raised the need to assist for future generations that we should have a work flow record that shows how documents are managed in terms of those coming from WG1 do they need to proceed to Executive before ExMC or not.</p> <p>The Secretary informed the group that the Secretariat does have a project to prepare an OD on Document Management – map out existing document process within IECEX and that this could form part of this.</p> <p>ACTION: Secretariat to include workflow for document management (OD, DS, etc in this new OD)</p>	WG1 Convenor

SUBJECT	Discussion Leader
<p>13. Other Business</p> <p>Mike Slowinske raised the question over whether or not manufacturer's instructions can be solely located on manufacturers websites.</p> <p>The meeting agreed with Mike S. and in noting the current ExTAG Decision sheet on this issue agreed for him to prepare a draft revised DS to DS 2012/010 to allow use of the internet for instructions and that WG1 support this approach and for this to proceed via the normal process of OD 035.</p> <p>Karel Neleman raised the issue of replacing components of Certified equipment that is in the field but not during the manufacturing? The meeting discussed this noting the responsibility of the end user versus the responsibility of the manufacturer under certification. Marty Cole reinforced that the CoC is only valid when it ships out the door, once installed it is the responsibility of the owner. The meeting took a brief discussion and concluded to maintain a watching brief on this issue.</p> <p>Karel then raised the issue of thermal overload protection devices such as covered by IEC TS 60079-42 with the Secretary advising that the Executive are considering this new standard for inclusion in IECEX with Mr Massey suggesting that the ExMC may need to be involved in this decision.</p> <p>Karel Neleman – also raised the concern of CoCs remaining on line and showing as having been Suspended for up to some 6 years. Mike Roy of the Secretariat noted this and advised the meeting that as part of his "IECEX Compliance Manager" responsibilities he is chasing ExCBs.</p> <p>ACTION: Secretariat Compliance will be addressing CoCs suspended for greater than a year requiring Cancellation as per rules with ExCBs.</p>	Secretary
<p>14. Next Working Group 1 Meeting</p> <p>Agree to the invitation from China for Shanghai and suggest to keep to 1 week of meetings and possibly ask the Executive to meet on the Saturday and have longer days.</p>	WG1 Convenor
<p>15. Close of Working Group 1 Meeting</p> <p>The Convener closed the meeting at 1250pm thanking members.</p>	WG1 Convenor