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

**Title: Compilation of Comments on ExTAG/606B/CD – ExTAG Draft Decision Sheet -Identification of Auxiliary Devices and Marking Identification**

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

**INTRODUCTION**

This document contains the Compilation of Comments and Observations from Adhoc Working Group WG02, convened by CNEX-Global B.V., NL, on ExTAG/606B/CD – Draft ExTAG Decision Sheet - Identification of Auxiliary Devices and Marking Identification

As a result of comments received, and considered, Decision Sheet ExTAG DS 2021/005 has now been published.

***Please inform the Secretariat immediately of any omissions or errors at***

***Christine Kane***

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| **ExCB/****ExTL** | **Clause/ Sub-clause** | **Paragraph Figure/****Table** | **Type of****comment****General/****technical/****editorial** | **COMMENTS** | **Proposed change** | **Observation****(to be completed by the originator)** |
| --- | --- | --- | --- | --- | --- | --- |
| **BIS****IN****In consultation with****Intertek India Private Limited, Karandikar Laboratories Pvt. Ltd., and KL Certification Services.** |  |  |  | **After a consultation with members of the National forum and ExCBs/ExTLs from India participating in ExTAG, it is hereby stated that we have 'no comments' on draft ExTAG/606B/CD and may be published as a decision sheet.** |  | **Thank you** |
| **CML****GB** |  |  |  | **CML has no further comment.** |  | **Thank you** |
| **CQM****CN** |  |  |  | **CQM Supports this DS.** |  | **Thank you** |
| **DEK****NL** | **all** | **all** | **ge** | **We think this draft DS creates more confusion than clarity.** **The DS intends to address items as specification and marking on equipment assemblies.** **These topics are addressed by IEC TS 60079-46.** **This sheet intends to clarify a different approach for a specific group of assemblies.****We are not in favour of different requirements for more or less the same issue: equipment assemblies.** | **Withdraw this draft DS and ask the maintenance team of IEC TS 60079-46 to consider the questions given in this draft DS when working on the next edition of IEC (TS) 60079-46.** | **Thank you****Not accepted. While agreeing that the MT IEC TS 60079-46 is the appropriate group to handle this issue, it was on request of IECEx that this DS is drafted.****It is the task of MT IEC TS 60079-46 to evaluate those DS that are applicable for IEC 60079-46, and to incorporate the information of those DS into the next version of the standard, as improvement of that standard, where needed.****Therefore MT IEC TS 60079-46 will in any case be involved in handling/evaluating the questions of this DS for the next edition of the standard.****Pending that new edition of the standard, this DS intends to clarify the questions raised.** |
| **DNV****NO** |  |  | **Gen** | **We have no comment to this draft decision sheet.** |  | **Thank you** |
| **ExTC****AU** |  |  |  | **The proposed DS is supported.** |  | **Thank you** |
| **FIDI** **HR** | **/** | **/** | **/** | **Fiditas supports document ExTAG/606B/CD and no further comments** |  | **Thank you** |
| **FTZU****CZ** |  |  | **G** | **We support this draft DS ExTAG/606B/CD.** |  | **Thank you** |
| **LCIE****FR** |  | **Answer** **to Q1** | **Technical** | **The incorporation of Ex Components does not limit to the full review of the Schedule of limitations and may require a supplementary assessment with respect to the editions of standards requested for the Ex Equipment.****In fact, when The Ex Component certificate is not up-to-date, the assessment of technical differences between the editions of standard is necessary.** | **We propose to add a reference to ExTAG DS 2014/001 as follows:****The technical evaluation of Ex component(s) extend(s) to a full review of the Schedule of Limitations and, if any, to the assessment of technical** **differences (see ExTAG DS 2014/001), ...** | **Thank you****Accepted and included in the text** |
| **LCIEFR** |  | **Answer** **to Q1** | **Technical** | **Based on the comment above, it will be necessary to modify the statement:****The standards listed shall only be those related to the Ex equipment and Ex components, not the Ex auxiliary equipment.** |  | **Thank you****Not accepted because the statement is still deemed to be correct as is.** |
| **NANIO CCVE (RU)** |  |  | **General** | **We support DS ExTAG/606B/CD without any comments.** |  | **Thank you** |
| **NEPSI****CN** |  |  | **G** | **We support the draft decision sheet ExTAG/606B/CD.** |  | **Thank you** |
| **QPS****CA** | **Background** | **-** | **Technical/editorial** | 1. Ex auxiliary equipment is undefined other than some examples related to motors. It is unclear what ~“carries out a function that is not integral to the main function of the Ex equipment” means? Would this mean any monitoring or feedback device? Gas detectors?
2. **It statues Ex auxiliary equipment may include “**Ex associated equipment” which contradicts the definition above stating that it is not integral to the main function. An Ex associated equipment by definition in 60079-0 IS Integral to the main function
 | **Add definition to Ex auxiliary equipment that is clear and does not contradict terms from 60079-0** | **Thank you****Not accepted by lack of proposed text** |
| **SGS Baseefa****GB** |  |  |  | **SGS Baseefa accepts the text as presented** |  | **Thank you** |
| **Simtars****AU** |  |  |  | **No comments from Simtars.** |  | **Thank you** |
| **SQI\_ZM****CN** | **Cl. 28.2, 29 of IEC 60079-0:2017** | **/** | **Type of****comment** | **Question 1, identification:** **How should the Ex auxiliary equipment and Ex components be referenced in the Ex Equipment Certificate?****Comments:****First of all, we should explain what the Ex auxiliary is. IEC 60079-0:2017 did not explain Ex auxiliary.****But the standard explained associated apparatus and Ex associated equipment.****The background has shown that Ex auxiliary could be Ex component or not Ex component. So Ex auxiliary could be associated apparatus or Ex associated equipment.****For example, Ex ec Servo motor has the brake or no brake, has the photoelectric sensor or not. They could be Ex auxiliary even the photoelectric sensor has no Ex Component Certification. Would we add the brake or the photoelectric sensor in the Ex Equipment Certificate? We don’t think so.****Question 2, marking:** **What are appropriate ways for dealing with Ex Equipment marking when Ex auxiliary equipment and/or Ex component(s) may, or may not, be present?****Comments:****Agreed.** | **The technical evaluation of associated apparatus or Ex associated equipment by the ExCB should be limited to confirming that the Specific Conditions of Use are adhered to, and that the method of mounting and connecting the associated apparatus or Ex associated equipment does not** **negate the value of its certificate.****ExCB doesn’t need to limit the associated apparatus if it can’t effect any Ex protection type.** | **Thank you****The certificate should list those Ex auxiliary equipment that was anticipated to be mounted on/in/with the certified equipment at the time of certification of the equipment.****After completion of the equipment certification, any further addition of Ex auxiliary equipment should not be taken or construed as to be covered by the equipment certificate.** **Hence the list of accepted/evaluated auxiliary equipment to be stated in the equipment certificate.** |
| **TC31** |  |  | **ge** | **Several WG22 experts suggested that the DS be withdrawn as the intent of a DS is reduce confusion and increase consistency between certifiers. This DS appears to increase confusion and reduce consistency.** | **Withdraw DS and address this whole matter by revision of OD 034.** | **Thank you** **Not accepted. This DS was asked for by IECEx.** |
| **TC31** |  |  | **ge** | **The revised Answer 2 appears to change the marking requirements of IEC 60079-0. This is not permitted by a DS.****The 3rd paragraph conflicts with the 1st paragraph which correctly states that “The purpose of the marking on an Ex Equipment marking plate is to provide immediate guidance to those that may be inspecting the equipment but do not have immediate access to the certificate”** | **Withdraw DS and address this whole matter by revision of OD 034.** | **Thank you****Not accepted. The draft DS does not change the marking requirements of IEC 60079-0, because there are no requirements for the Ex auxiliary equipment stated in the IEC 60079-0.****Therefore stating that ‘***it is not required that the relevant marking of the Ex auxiliary equipment be included in the marking of the Ex equipment***.’ cannot conflict with the IEC 60079-0.** |
| **TIIS****JP** |  |  | **ge** | **We agree to publish this topic of DS with the following comments.****If “Ex auxiliary equipment” is not necessary to maintain the type of protection of Ex equipment, we do not think the certificate for Ex equipment shall list all possible Ex auxiliary equipment.****Also, it is not clear when the DS is applied rather than IEC TS 60079-46. It’d be helpful to add this information to the Note of Background.** | **Change the 1st paragraph of the Answer for Question 1 as follows.****It is not necessary to address Ex auxiliary equipment in Ex equipment certificate, when Ex auxiliary equipment and Ex equipment are separately certified and are completed respectively. If needed, a table with columns: Ex auxiliary equipment, Manufacturer, Certificate Number, Marking Code would be appropriate.** | **Thank you.****Text of answer 1 modified as follows:***All possible Ex auxiliary equipment that, at the time of the Ex Equipment certification, is intended to be installed on/in/with the Ex Equipment, shall be listed in the Ex Equipment Certificate.  Where convenient, this might be in the form of a table with columns headed: Ex auxiliary equipment, Manufacturer, Certificate**Number, Marking Code.* |
| **TUV SUD PS****DE** | **28.2, 29** | **-** | **General** | **We agree with the decision.** | **-** | **Thank you** |
| **ULBR****BR** |  |  | **General** | **ULBR supports this draft DS.** |  | **Thank you** |
| **UL****US** |  |  |  | **UL-USA approves of 606B.** |  | **Thank you** |
| **ULD****DK** |  |  | **General** | **ULD supports this draft DS.** |  | **Thank you** |