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

**Title: Compilation of Comments and observations on** **ExTAG/660/CD – Draft ExTAG Decision Sheet - Revision of ExTAG DS 2015/014 - Terminal Boxes open to the interior of the motor**

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

**INTRODUCTION**

This document contains the Compilation of Comments and Observations from the originator, SGS Baseefa on behalf of IEC TC31 WG 27.

As a result of comments received, and considered, Decision Sheet ExTAG DS 2015/014A 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/CMD****IN** |  |  |  | **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 this draft ExTAG/660/CD.** |  | **Noted** |
| **CNEX-Global****NL** | **-** | **-** | **e** | **There should be no doubt that 1kV or greater requires minimum IP54.****The current text would prohibit** **1 kV or higher only below or equal to IP44, but not for IP45, IP46 etc.?** | **Change text:*****If the interior of the machine has an ingress rating of IP44 or lower, the use of a terminal box open to the interior of a motor rated 1 kV or greater is not permitted.*****to read:*****If the interior of the machine has an ingress rating of lower than IP54, ~~IP44 or lower~~, the use of a terminal box open to the interior of a motor rated 1 kV or greater is not permitted.*** | **Reference was made to IP44 as this is the terminology used in the standards.** |
| **DEK****KEMANL** |  |  | g | We agree with this document |  | **Noted** |
| **Eurofins CML****GB** |  |  |  | **No comment from Eurofins CML. This DS says what the standard says** |  | **Noted** |
| **ExTC****AU** | **1** | **1** | **General** | **The present text in the Answer is perhaps misleading “**If the interior of the machine has an ingress rating of IP44 or lower, the use of a terminal box open to the interior of a motor rated 1 kV or greater is not permitted.” | **Reading the text would seem that if the ingress protection is IP44 or lower (let us assume IP23), then its okay for a motor rated less than 1kV.****But it is our understanding that the minimum rating is IP44.****The text require to be revised or deleted.**  | **The DS is only concerned with motors rated at 1kV or greater. It says nothing about motors rated at less than 1kV, where the existing text of the standard is clear.** |
| **FTZU****CZ** |  |  | **G** | **We agree with this Draft ExTAG Decision Sheet.** |  | **Noted** |
| **LOMES** |  |  | **G** | **LOM agrees with this DS but it will be helpful to clarify in the subject that it is applicable to “ec” and “nA" motors.** | **Subject:**Terminal Boxes open to the interior of “ec” and “nA” motors. | **Accepted****Title changed accordingly.** |
| **NEPSI****CN** |  |  | **Editorial** | **We support the draft decision sheet ExTAG/660/CD.** | **In the sections of Question and Answer, the expression “IP54 or greater” should be changed as “IP54 or higher”.** | **Accepted****This aligns with the published phraseology in the latest standard** |
| **QPSCA** |  |  |  | QPS has no comments and supports the DS as written. |  | **Noted** |
| **PTBDE** |  |  | **General**  | Accepted |  | **Noted** |
| **Rise****SE** |  |  |  | We agree with the draft Decision Sheet. |  | **Noted** |
| **Simtars****AU** |  |  |  | Simtars has no comments. |  | Noted |
| **TC 31** |  |  | Gen | TC 31 supports ExTAG/660/CD as circulated. | None | Noted |
| **TIIS****JP** |  |  | General | As the draft revised DS appears to just combine two exiting interpretation sheets, TIIS proposes improving the draft revised DS to issue a DS. In our understanding, the most important information in the draft DS is NOTE 2, while Question & Answer are already stated in the interpretation sheets. Therefore, NOTE 2 should be placed in the beginning of the DS as a background. | NOTE 2 is moved to the beginning of the DS as a background.Answer is changed as follows.See the interpretation sheets, IEC 60079-15:2010/ISH1:2016 and IEC 60079-7:2015/ISH1:2016. | Note 2 remains at the end, as it is a note, but reference to the ISH numbers has been added. |
| **UL do BR** | **Entire Document** | **Entire Document** | **General** | It should be considered whether this decision sheet is still needed. Interpretation Sheet 1 for IEC 60079-7:2015 and Interpretation Sheet 1 for IEC 60079-15:2010 cover this topic.  | **Withdraw this decision sheet as it is no longer needed.** | **Unfortunately, not all users of the national implementations of the IEC text will know when an ISH has been published or how to obtain it.****Historically this has been a problem throughout Europe, as Cenelec has no means of publishing the contents of an ISH, other than by formally amending the standard, and is usually reluctant to do so,** **Therefore, it is considered appropriate for the existence of an ISH, which covers the same material as a DS, to be referenced in the DS, rather than withdraw the DS.** |
| **UL LLC****USA** | **Entire Document** | **Entire Document** | **General** | It should be considered whether this decision sheet is still needed. Interpretation Sheet 1 for IEC 60079-7:2015 and Interpretation Sheet 1 for IEC 60079-15:2010 cover this topic.  | **Withdraw this decision sheet as it is no longer needed.** | **See above** |
| **UL Demko****DK** |  |  | **General** | It should be considered whether this decision sheet is still needed. Interpretation Sheet 1 for IEC 60079-7:2015 and Interpretation Sheet 1 for IEC 60079-15:2010 cover this topic.  | **Withdraw this decision sheet as it is no longer needed.** | **See above** |