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

**TITLE: Compilation of comments and Observations on - ExTAG/679/CD –** **Draft ExTAG Decision Sheet – Disapplication of clause 7**

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

**INTRODUCTION**

This document contains the compilation of comments, as well as observations, from the originator, SGS Baseefa, GB, on ExTAG/679/CD, Draft ExTAG Decision Sheet – Disapplication of clause 7.

A revised document *ExTAG/679A/CD – Draft ExTAG Decision Sheet – Disapplication of clause 7–*has been prepared for consideration during the 2022 ExTAG Remote Meeting.

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

***Christine Kane***

**For**

**ExTAG Chair Dr Lienesch**

|  |
| --- |
| **Address:**  **IECEx Secretariat**  **Level 33 Australia Square**  **264 George Street**  **Sydney NSW 2000**  **Australia**  **Web: www.iecex.com** |

| **ExCB/**  **ExTL** | **Clause/ Sub-clause** | **Paragraph Figure/**  **Table** | **Type of**  **comment**  **General/**  **technical/**  **editorial** | **COMMENTS** | **Proposed change** | **Observation**  **(to be completed by the originator)** |
| --- | --- | --- | --- | --- | --- | --- |
| **CMD**  **In consultation with**  **Intertek India, 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/679/CD.** |  | **Thank you** |
| **DEKRA / BVS**  **DE** |  |  | **General** | **We support the proposed answer from SGS Baseefa.**  **Additional reasons:**  **The ignition protection type does depend on an external fan, as the fan is necessary to maintain the temperature class.**  **The same applies analogously to fans made of light metal, for which the corresponding requirements according to cl.. 8 are also required.** |  | **Thank you**  **Additional wording added** |
| **DNV NO** |  |  | **Gen** | **The requirements for external fan and fan housing do not lapse due to the motor being Ex d.**  **The requirements in 60079-0 for external fan and fan housing for motors are the same if the motor is Ex d, Ex p, Ex e.** |  | **Thank you** |
| **FIDITAS**  **HR** | **-** | **-** | **T** | **Fiditas support DS**  **but we propose to extend the DS and clarify application of clause 7.2.1 of IEC 60079-0.**  **We think that no common approach among ExTLs/ExCBs regarding application of thermal endurance test on external fan impellors, fan hoods, and ventilation screens manufactured from non-metallic materials** | **Add question 2 regarding application of thermal endurance test on external fan impellors, fan hoods, and ventilation screens manufactured from non-metallic materials** | **Thank you**  **Although it was intended to be included by the current wording, specific reference to the thermal endurance testing has been included** |
| **FME**  **GB** |  |  | **ge** | **We support the DS as drafted** | **None** | **Thank you** |
| **FMG**  **US** |  |  | **ge** | **Support DS as drafted** | **None** | **Thank you** |
| **FTZU**  **CZ** |  |  | **G** | **We agree with this draft ExTAG Decision Sheet.** |  | **Thank you** |
| **LCIE**  **FR** |  |  | General | We agree with this Draft ExTAG Decision Sheet.  This DS should be published to clarify the requirements for current editions of IEC 60079-0.  The subject matter should be passed to the MT60079-0 to see if a clarify would deserve to be done in the draft of IEC 60079-0 Ed. 8.0. |  | **Thank you**  **TC31 WG22 are asked to ensure clarity for the next edition of IEC 60079-0** |
| **LCIE**  **FR** |  | Background | Editorial | In the first sentence, “that” is repeated twice. |  | **Thank you**  **“that that” is correct English syntax in this context (the identical words having slightly different meanings), but has been changed to “that this” to assist translation.** |
| **NANIO CCVE (RU)** |  |  | **General** | **NANIO CCVE supports this DS without comments.** |  | **Thank you** |
| **NCC**  **BR** | 7  17.2.2 |  |  | **We agree** |  | **Thank you** |
| **NEPSI**  **CN** |  |  | **G** | **We support the draft decision sheet ExTAG/679/CD.** |  | **Thank you** |
| **PTB**  **DE** |  |  | **General** | **This topic opens a huge number of new questions:  Clause 7 requires, for instance, also a thermal endurance test on the material. This test will only make sense if a follow up test is required, but there is no further test defined in the standard(s).** | **Withdraw the draft, revise to WG 22 for further discussions.  Really interesting and important topic, but an IECEx DS is not an appropriate process.** | **TC31 WG22 have supported the draft DS**  **TC31 WG22 are asked to ensure clarity for the next edition of IEC 60079-0**  **It is presumed that the impact test on the fan hood and screen would be performed after the thermal endurance testing.**  **TC31 WG22 are asked to consider the comment in the context of the fan impellor.** |
| **RISE**  **DK** |  |  |  | **We agree with the draft DS.**  **If needed, we suggest this also to be further clarified in the standard IEC 60079-0 by WG 22. To not address all ignition sources and applicable requirements for a certified equipment, would seriously undermine the confidence for certified equipment (and certification services), which responsible stakeholders should be aware of.** |  | **Thank you**  **Comment referred to TC31 WG22** |
| **QPS CA** |  |  |  | **QPS supports the Decision sheet as is and has no comments** |  | **Thank you** |
| **Simtars**  **AU** |  |  |  | **Simtars has no comments** |  | **Thank you** |
| **TC31/**  **WG22** |  |  | **ge** | Support DS as drafted | None | **Thank you** |
| **TestSafe**  **AU** | **Clause 7**  **Clause 17.2.2 of IEC 60079-0** |  | **Technical** | **TestSafe support proposal.** |  | **Thank you** |
| **TIIS**  **JP** |  |  | **Te** | **We support the draft DS in principle.**  **In our understanding, external fan impellors, fan hoods and ventilation screens are not a part of enclosure, but the requirements of Clause 7 should be applied to those parts as described in 17.2.2. We do not think one is precedence and another is not.**  **The 2nd paragraph of Answer does not seem to relate to Answer while we can understand what it says. How about moving the paragraph to Background?** | **Replace the last sentence of the 1st paragraph of Answer by the following sentences.**  **The requirements of 17.2.2 are for external fans and do not relate to the Type of Protection applied to the motor. If a motor has external fans regardless of Type of Protection, 17.2.2 with the called clause should be applied.**  **Move the 2nd paragraph of Answer to Background.** | **Thank you**  **Minor adjustment made to text to reflect comment** |
| **ULBR**  **BR** |  |  | **General** | **We support this proposal.** |  | **Thank you** |
| **ULD**  **DK** |  |  | **General** | **We support this proposal.** |  | **Thank you** |
| **UL LLC US** |  |  |  | **UL- USA supports this decision sheet as it is written.** |  | **Thank you** |