**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/634/CD – Draft ExTAG Decision Sheet - Testing of Current Transformers**

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

**INTRODUCTION**

This document contains the Compilation of Comments and Observations from the Originator SGS Baseefa, GB, on ExTAG/634/CD – Draft ExTAG Decision Sheet - Testing of Current Transformers

As a result of comments received, and considered, Decision Sheet ExTAG DS 2021/002 has now been published.

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

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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)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Eurofins CML**  **GB** |  | |  | |  | Eurofins CML agrees with this decision sheet. |  | | **Noted** |
| **DNVGL Presafe** |  | |  | | **Gen** | **We have no comments to the proposal** |  | | **Noted** |
| **FMG**  **US** |  | |  | | ge | None | FMG supports the DS as drafted and does not consider it a technical change to the standard  . | | **Noted** |
| **FTZU**  **CZ** |  | |  | | G | We support this draft DS ExTAG/634/CD. |  | | **Noted** |
| **LCIE**  **FR** |  | |  | | Editorial | Reference standard:  It is written IEC 60070-7:2015. | Replace by IEC 60079-7:2015. | | **Accepted** |
| **LCIE**  **FR** |  | | Question 1 | | Technical | We support the proposal.  The requirements of clause 5.4.1 of IEC 60079-7:2015 show that instrument transformers in Level of Protection “ec” are only concerned by clause 5.4.7. The text in clause 5.4.7 is partially issued from clause 14 of IEC 60079-15:2010.  Reference is made to the tests of 6.4 in clause 5.4.3 which does not apply to instrument transformers “ec”. | None. | | **Noted** |
| **LCIE**  **FR** |  | | Question 2 | | Technical | We support the proposal.  In the IEC 60079-7, undated editions of IEC 60044-1 and –6 are mentioned. Consequently, the last editions shall apply and if the standard reference has changed, then the new reference shall be considered. | None. | | **Noted** |
| **LCIE**  **FR** |  | |  | | General | We support this DS as an interim solution, waiting for AMD or ISH published by IEC 60079-7 MT. | None. | | **Noted** |
| **NANIO CCVE (RU)** | |  |  | **General** | | **NANIO CCVE supports this DS without comments.** | |  | **Noted** |
| **NCC**  **BR** | 6.4 | |  | |  | We agree. Only clause 5.4.7 applies to "ec". |  | | **Noted** |
| **NEPSI**  **CN** |  | |  | | G | We support the draft DS ExTAG/634/CD, and suggest to make following editorial changes:   1. The referenced standard IEC 60070-7:2015 in the upper left corner should be changed as IEC 60079-7:2015; 2. In the second line under “Background”, please change “… the calling clause (5.4.3) …” to be as “… the calling clause 5.4.3 in IEC 60079-7:2015 …” 3. It will be better if the following sentence outlined in the FOREWORD of IEC61869-2:2008 could be added in Background part:   TC38 decided to restructure the whole set of stand-alone Standards in the IEC 60044-X series and transform it into a new set of standards composed of General requirements documents and Specific Requirements Documents   1. Within Answers cl.2, the “interturn” should be “inter-turn”. |  | | **Accepted** |
| **QPS**  **CA** |  | |  | |  | QPS Support the DS with no comments |  | | **Noted** |
| **SIMTARS AU** |  | |  | |  | Simtars has no comments for the draft ExTAG Decision Sheet. |  | | **Noted** |
| **TC 31** |  | |  | | ge | It was not the intent of MT60079-7 that the inter-turn overvoltage test be applied to current transformers in Level of Protection “ec”.  While the calling clause 5.4.3 is specifically limited to “eb”, the test clause 6.4 does not specifically state that it applies only to “eb” in a manner similar to the other sub-clauses in Clause 6.  A second issue is that if a user attempts to apply the test specified in IEC 60044-6 for “eb”, they will encounter a slight problem in that there is no such test in that withdrawn standard. It appears that, 40 years ago, IEC 60044-1 should have been referenced, not IEC 60044-6. Now, that standard too has been withdrawn and replaced by IEC 61869-2.  MT60079-7 will correct this is Edition 6, but in the mean time, the proposed DS does direct a user to a location where the desired test for “eb” can be found. MT60079-7 does not consider this a change to the requirement, simply a correction of the reference for the desired test. | TC 31 supports the DS as drafted and does not consider it a technical change to the standard. | | Noted, including the proposed action for Edition 6 |
| **TIIS**  **JP** |  | |  | | technical | We support the draft DS in principle.  We think Answer 2 should specify that Procedure A is used. 7.3.204 in IEC 61869-2 has two procedures for the test, and Procedure A is suitable for the condition of 6.4 in IEC 60079-7. | Modify Answer 2 as follows;  2. IEC 60044-1 and IEC 60044-6 have both been superseded by IEC 61869-2. The enhanced interturn insulation test should be performed in accordance with IEC 61869-2, using the method Procedure A currently outlined in clause 7.3.204 of Edition 1, published in 2012. | | **accepted** |
| **UL**  **BR** |  | | Standard | | editorial | Typo | Revise from 60070 to 60079 | | **Accepted** |
| **UL**  **BR** |  | | Question and answer, #2 | | technical | This test is also referenced in 7.3 in addition to 6.4. | Revise the question so that both 6.4 and 7.3 should be referring to IEC 61869-2 instead of  IEC 60044-6 | | **Accepted** |
| **UL**  **USA** |  | | Standard | | editorial | Typo | Revise from 60070 to 60079 | | **Accepted** |
| **UL USA** |  | | Question and answer, #2 | | technical | This test is also referenced in 7.3 in addition to 6.4. | Revise the question so that both 6.4 and 7.3 should be referring to IEC 61869-2 instead of  IEC 60044-6 | | **Accepted** |
| **ULD**  DK |  | | Standard | | Editorial | Typo | Revise from 60070 to 60079 | | **Accepted** |
| **ULD**  DK |  | | Question and answer #2 | | Technical | This test is also referenced in 7.3 in addition to 6.4. | Revise the question so that both 6.4 and 7.3 should be referring to IEC 61869-2 instead of  IEC 60044-6 | | **Accepted** |