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

**Updated Report from ExTAG Working Group 01 (WG 01):**

**Preparation of assessment and test report forms (ExTRs)**

## Introduction

This document is a minor revision of ExTAG732/R. The document provides a report of the activities of ExTAG WG 01 since the 2023 IECEx System Testing & Assessment Group (ExTAG) remote meetings.

## Description / Scope

This Working Group was convened to create, revise and update the Ex Test Reports to be used within the IECEx System.

## Membership (currently 12 members)

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  | | --- | | Mr. Scott Kiddle, *Convenor*  ~~Mr. Dave Adams~~ | | Mr. Michel Brenon | | Mr. Olivier Cottin  Ms. Katy Holdredge | | Mr. Thierry Houeix | | ~~Mr. Paul Kelly~~ | | Mr. Ajay Maira | | Dr. Detlev Markus | | Dr. Jim Munro | | Mr. Chunming Ni | | Mrs. Gordana Ostojic  Mr. Vijayaraghavan Rangarajan | | Mr. Ron Sinclair | |

**ExTAG WG 01 Meetings since the 2023 ExTAG Meetings**

The ExTAG WG 01 held three Zoom meetings in early 2024 to address ***ExTAG Decision 2023/06*** regarding signatories on ExTR Cover Sheets, and ***ExTAG Decision 2023/17*** and ***ExMC Decision 2023/15*** regarding equipment certification comprising of certified components with a possible recommendation to ExMC WG01 for update to IECEx 02.

The ExTAG WG 01 held a Zoom meeting in July to address a proposed update to Operational Document OD 010-1 and to prepare for the 2024 ExTAG meeting.

**Status of Blank ExTR Document Activity since the 2023 ExTAG Meetings**

ExTR Blanks are posted for all published IEC Ex standards available for use under the IECEx Certified Equipment Scheme.

The following ExTR blank documents have been posted to the library:

|  |  |  |
| --- | --- | --- |
| **ExTR for IEC Standard** | **ExTR Number** | **Title / Description** |
| IEC 60079-0, ed 7 | Ver 7I, posted 2024-08 | ExTAG/718A/CD to include DS 2024/001 |
| Ver 7H, posted 2023-10 | ExTAG/706A/CD to include DS 2020/003A |
| IEC 60079-0, ed 6 | Ver 6G, posted 2024-08 | ExTAG/718A/CD to include DS 2024/001 |
| Ver 6F, posted 2023-10 | ExTAG/706A/CD to include DS 2020/003A |
| IEC 60079-31, ed 3 | Ver 3B, posted 2024-08 | ExTAG/718A/CD to include DS 2024/001 |
| IEC 60079-31, ed 2 | Ver 2C, posted 2024-08 | ExTAG/718A/CD to include DS 2024/001 |
| **New ExTR blanks as an outcome of ExMC Decision 2023/42 and**  **ExMC WG19 to address Hydrogen technologies** | | |
| ISO 17268,  ed 3 | Ver 1A, posted 2024-06 | Gaseous hydrogen land vehicle refuelling connection devices (ISO 17268:2020) |
| ISO 19880-3,  ed 1 | Ver 1A, posted 2024-06 | Gaseous hydrogen - Fuelling stations - Part 3: Valves (ISO 19880-3:2018) |
| ISO 19880-5,  ed 1 | Ver 1A, posted 2024-06 | Gaseous hydrogen - Fuelling stations - Part 5: Dispenser hoses and hose assemblies (ISO 19880-5:2019) |

Regarding Decision Sheets published since early September 2023, confirmed the following are hyperlinked in the blank ExTRs:

|  |  |  |
| --- | --- | --- |
| DS 2023/002 | IEC 60079-0:2017 (Edition 7.0) | Marking of Ex Components when intended for use only by their manufacturer |
| DS 2023/001 | IEC 60079-0 (Ed 7) | Whether the non-metallic external fans of rotating electric machines are subjected to ultraviolet light resistance test |
| DS 2022/006 | IEC 60079-0:2015+A1:2017 | Disapplication of clause 7 IEC 60079-0 Ed.7 |
| DS 2022/005 | IEC 60079-18:2014 IEC 60079-18:2009 | The test sample used for the dielectric strength test on the compound |
| DS 2022/004 | IEC TS 60079-46:2017 ISO/IEC 80079-34:2018 | Information relevant to particular protection Ex TS 60079-46 into the quality management system |

## Status of Operational Document Activity since the 2023 ExTAG Meetings

Prepared draft of OD 010-2 Edition 5.0 regarding signature requirements for the ExTR Cover per ISO/IEC 17025 and ISO/IEC 17065, and a revised blank ExTR cover, which is ready for ExTAG endorsement.

## Issues for ExTAG Consideration

1. Endorsement of actions assigned to ExTAG WG01 under ExTAG Decision 2023/06 and specifically the posting of:

* ***ExTAG/726/CD*** for OD 010-2 Edition 5.0 regarding signature requirements for the ExTR Cover per ISO/IEC 17025 and ISO/IEC 17065, and
* ***ExTAG/727/CD*** for the revised blank ExTR cover.

1. Further consideration of actions assigned to ExTAG WG01 under ExTAG Decision 2023/17 and ExMC Decision 2023/15 regarding equipment certification comprising of certified components with:

* proposed IECEx 02 text for reference to ExTAG DS 2014/001, such as:

“***Consideration should be given to ExTAG Decision Sheet 2014/001 regarding the treatment of Ex Components covered by Certificates issued to older editions of Standards***”.

* or, update OD 011-2 to address ExTAG DS 2014/001,
* or, embed in the on-line certificate template for possible annex to a CoC.

1. Proposed update to Operational Document OD 010-1 as Edition 4.0 to:

* address inserting an ExTAG Decision Sheet (DS) hyperlink and specifically when the DS is for a “Heading Style 1” clause since there is no provision for entering a “*Result – Remark*” or “*Verdict*”. The proposed update is to:
* add a new row under the applicable clause for inserting the DS hyperlink with provision for entering a “*Result – Remark*” or “*Verdict*”, but only when a blank ExTR requires an update, and
* to reflect current practices of preparing *blank ExTRs for IEC, ISO and ISO/IEC Ex publications.*

1. Consideration should be given to providing guidance for ExCBs and ExTLs in OD 010-2 as to how to note a corrigenda or interpretation sheet when completing an ExTR, such as providing a hyperlink to the TC31 website in the operational document.
2. Consideration should be given to ExTAG Decision Sheets that address ISO/IEC 80079-34 and how ExMC WG05 would want to convey such decisions (example: DS 2022/004 for “*Information relevant to particular protection Ex TS 60079-46 into the quality management system”*). Since there is no blank ExTR for ISO/IEC 80079-34, proposal is to hyperlink applicable Decision Sheets in the form F-001.
3. Maintenance of the on-line library for blank ExTRs may be necessary to reduce the risk of misuse. Proposal is to archive older/inactive blanks and only offer on the main page the latest revision of the current edition and the latest revision of the previous edition.
4. Mr. Ron Sinclair may no longer be interested in ExTAG WG01 membership, and apparently Dave Adams was removed from ExTAG WG01 membership. ExTAG may want to consider an outreach to UK SGS and CA QPS for a successor.

\*\*\*\*\*End of Report\*\*\*\*\*