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

**Title: ExTAG/744/CD, Draft ExTAG Decision Sheet - Applicability of IEC 60079-0 for non-electrical equipment**

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

**INTRODUCTION**

This document, ExTAG/744/CD, is a revision of ExTAG DS 2024/002 prepared as a result of discussions during recent TC31 Meeting and is issued for consideration by ExTAG.

In accordance with OD 035 this document is issued for a six week comment period.

Please submit comments on this new Draft DS using the comments table, a separate document, by – **2025 06 04**

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IEC System for certification to standards relating to equipment for use in Explosive Atmospheres (IECEx System)

Collection of IECEx / ExTAG Decision, F-014

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| Standard:  ISO 80079-36:2016 Ed.1.0  ISO 80079-37:2016 Ed.1.0  IEC 60079-0: 2011 Ed.6.0  IEC 60079-0: 2017 Ed.7.0 | Clause:  Section 1  Section 1  All relevant  All relevant | Date:  2025 04 22 |
| Subject:  Applicability of IEC 60079-0 for non-electrical equipment | Key words:  - Applicability  - IEC 60079-0  - Non-electrical equipment  - Testing and assessment | Originator of proposal: |
| Status of document:  Approved | TC/SC involved:  TC31/WG22 and SC31M/WG1 |
| Background:  Since the non-electrical equipment introduced into IECEx certification, there have been about 1,000 IECEx Certificates issued for non-electrical or electrical/non-electrical combined equipment by more than 40 ExCBs. It was noted that there are variations in the reference standards used for issuance of IECEx Certificates and ExTRs. . Some certificates and its corresponding ExTRs indicated the compliance of IEC 60079-0, while others did not.  It should be noted that ExCBs may accept applications for assessments against ISO/IEC 80079-36:2016 Ed.1.0 with or without including IEC 60079-0  ISO/IEC 80079-36:2016 Ed.1.0 states the following (Section 1.):    *This standard supplements and modifies the general requirements of IEC 60079-0, as shown in Table 1 (ISO/IEC 80079-36:2016 Ed.1.0) . Where a requirement of this standard conflicts with a requirement of IEC 60079-0,* ***as far as applicable for non-electrical equipment****, the requirement of this standard takes precedence.*  Section 1 of ISO 80079-37:2016 Ed.1.0 also states its relationship with ISO 80079-36:2016 Ed.1.0 as follows:  *This standard supplements and modifies the requirements in ISO 80079-36. Where a requirement of this standard conflicts with the requirement of ISO 80079-36 the requirement of this standard takes precedence.*  It is clear from Table 1. of ISO/IEC 80079-36:2016 Ed.1.0, that many clauses of IEC 60079-0 are excluded because purely non-electrical equipment do not have these components and so an assessment is not required.  However, if no assessment has been made then it is not possible to say whether or not the equipment meets the requirement of IEC 60079-0. | | |
| Question:Is it necessary to show IEC 60079-0 in the list of standards in an IECEx Certificate of Conformity when issuing IECEx Certificates covering non Electrical Ex Equipment and non Electrical Ex Components? | | |
| Answer:    There are two situations that are catered for when applying IEC 60079-0 Edition 6:  **Situation 1**: Where the applicant has requested certification to both ISO 80079-XX (non-electrical Standards) and IEC 60079-0 and where full assessment to IEC 60079-0 has been conducted. In this situation YES IEC 60079-0 shall be included in the listed standards on an IECEx Certificate.  **Situation 2**: Where the applicant has only requested certification to ISO 80079-XX. In this situation only those clauses of IEC 60079-0 that are referenced to by ISO 80079-XX, have been considered. In this situation NO, IEC 60079-0 shall not be included in the listed standards on an IECEx Certificate.  It should be noted that from IEC 60079-0 Edition 7, IEC 60079-0 applies to both electrical and non-electrical equipment and therefore will need to be included in the list of standards on an IECEx Certificate.This Decision sheet applies to IECEx Certificates issued after the date of publication of this Decision Sheet. | | |