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

**Title: ExTAG/743/CD, Draft ExTAG Decision Sheet - Use of Table 13 for large Ex d motors.**

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

**INTRODUCTION**

This document, ExTAG/743/CD, *Draft ExTAG Decision Sheet - Use of Table 13 for large Ex d motors* has been prepared by CNEX-Global, NL, 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 04 23**

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Collection of IECEx / ExTAG Decision

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| Standard:  IEC 60079-1, Ed. 7.0 | Clause:  15.2.3  16 | Date:  2025-03-05 |
| Subject:  Use of Table 13 for large Ex d motors | Key words:  Overpressure test  requirements | Originators of proposal:  CNEX-Global B.V. |
| Status of document:  Draft | TC/SC involved:  IEC TC 31 MT60079-1 and WG 27 |
| Background:  The overpressure test for large Ex d motors (or enclosure parts thereof) as part of the routine test in accordance with section 16 of IEC 60079-1, Ed. 7.0 is currently interpreted and implemented differently:  Method 1:  - The routine overpressure test is made according to one of the methods described for the type tests in 15.2.3.  Method 2:  - The routine overpressure test is made using the static pressures given in Table 13.  This leads to significant differences in the application of the requirements for routine tests.  Example:  At one manufacturer the Ex d motor size 355 is routine tested with Method 1: at ≥35bar.  Same motor, manufactured at another manufacturer, is tested with Method: 2: at 30 bar. | | |
| Question:  Is it allowed to use Table 13 as basis for routine tests on large Ex d enclosures, or parts thereof? | | |
| Answer:  No, Table 13 is not to be used as basis for routine tests on large Ex d enclosures, or parts thereof. | | |
| This DS is applicable to all certifications issued after its publication. | | |