**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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**ExTAG Secretariat**

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Collection of IECEx / ExTAG Decision

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| Standard:IEC 60079-1, Ed. 7.0 | Clause: 15.2.316 | Date:2025-03-05 |
| Subject:Use of Table 13 for large Ex d motors | Key words:Overpressure testrequirements | 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. |