| clause | subject | Explanation of the significance of the changes | Type of standard change | applicability for the current project | Reason of applicability | Risk of raising non-conformity with IEC 60079-0:2017 | Necessary measures, in case of raised risk |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Minor | Extension | Major | No change |
| 5.3.2.3.2 | Maximum surface temperature for EPL Db | Added for EPL Db, a dust layer in a specifiedorientation, marked as TL |   | X |   |   |  |  |  |  |
| 6.5 | Gasket retention | Added requirement that where an adhesive is used to secure a gasket, it shall be used within its COT and shall comply with the requirements for cements. |  |  | X |  |  |  |  |  |
| 6.6.3 | Ultrasonic sources | Ultrasonic requirements updated based on latest research work |   | X |   |   |  |  |  |  |
| 7.4.2 b) | Avoidance of a build-up of electrostatic charge for Group I or Group IIb) by limitation of surface area | Added additional relaxation for the case where asurface is in contact with an earthed surface ononly two of four sides. |   | X |   |   |  |  |  |  |
| 7.4.2 c) | c) by limitation of thickness of a non-metallic layer bonded to conductive or dissipative surfaces | Added reference to IEC 60243-1 and IEC 60243- 2 for test method to require a 4 kV DC test. |   |   | X |   |  |  |  |  |
| 7.4.2 f) | For portable, mains powered equipment | New option added for portable, mains-powered equipment with earth-connected guard |   | X |   |   |  |  |  |  |
| 7.4.2 g) | By testing that the material transferred charge measured acc. To 26.17 | Added option for determination of maximumtransferred charge. |   | X |   |   |  |  |  |  |
| 8.5 | Copper Alloys | Added limitation for external surfaces of >65% copper |   |   | X |   |  |  |  |  |
| 13.5 | Ex Component Certificate | Required that Ex Component Certificates requirea Schedule of Limitations in all cases |   | X |   |   |  |  |  |  |
| 16.3 | Cable glands | Non-threaded Group I cable glands are no longerrequired to be Ex Components. |   | X |   |   |  |  |  |  |
| 16.4 | Blanking elements | Non-threaded Group I blanking elements are no longer required to be Ex Components. |  | X |  |  |  |  |  |  |
| 20.1 | Supplementary requirements for external plugs, socket outlet and connectors for field wiring connection | Added requirements for EPL Gc and Dc. he added requirements for tool securing and marking are consistent with the approach in IEC 60079-15 |    |  | X |    |  |  |  |  |
|   |   |   |  |  |
| 23.3 | Cell types(Table 13) | New cell types and data added based on latestavailable data |  | X |  |  |  |  |  |  |
| 23.3 | Cell types(Table 14) | New cell types and data added based on latest available data.Voltage values were changed |  |  | X |  |  |  |  |  |
| 29.4 | Ex marking for explosive gas atmospheres | Text added to address marking of “Ex associated equipment” |  | X |  |  |  |  |  |  |
| 29.5 d) | Ex marking for explosive dust atmospheresd) The maximum surface temperature marking | Introduced marking for EPL Db with a dust layer in a specified orientation |  | X |  |  |  |  |  |  |
| 29.5 | Ex marking for explosive dust atmospheres | Text added to address marking of “Ex associated equipment” |  | X |  |  |  |  |  |  |
| 29.9 | Boundary wall | Text added to address marking of equipment intended to be installed in a boundary wall |  | X |  |  |  |  |  |  |
| 30.3 | Instructions(Electric machines) | Additional instruction material for electric machines added |   |   | X |   |  |  |  |  |
| 30.5 | Instructions(Cable glands) | Additional instruction material for cable glandsadded |   |   | X |   |  |  |  |  |
| A.1 | Supplementary requirements for cable glandsGeneral | Allow ISO 10807 hose assemblies to be used with cable glands |  | X |  |  |  |  |  |  |
| A.3.1.1 | Supplementary requirements for cable glandsTests of clamping of non-armoured and raided cables with clamping by the sealing ring | Reduction of the time / slippage permitted |  | X |  |  |  |  |  |  |
| A.5 | Instructions(Cable glands) | Additional instruction material for cable glandsadded |   |   | X |   |  |  |  |  |