

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Explosive atmospheres –
Part 1: Equipment protection by flameproof enclosures “d”**

**Atmosphères explosives –
Partie 1: Protection du matériel par enveloppes antidéflagrantes «d»**

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EXPLOSIVE ATMOSPHERES –**Part 1: Equipment protection by flameproof enclosures “d”**

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International Standard IEC 60079-1 has been prepared by IEC technical committee 31: Equipment for explosive atmospheres.

This sixth edition cancels and replaces the fifth edition published in 2003 and constitutes a technical revision.

This edition contains the following significant technical changes with regard to the previous edition:

- a) revisions to Clause 5 regarding markings and conditions of safe use when a dimension of a flameproof joint is other than the relevant minimum or maximum;
- b) revisions to Table 1 regarding maximum gap for flanged, cylindrical or spigot joints;
- c) revisions to Table 4 regarding requirements for taper threaded joints;
- d) revisions to Clause 10 regarding volume restrictions and test conditions associated with breathing and draining devices;
- e) revisions to Clause 11 regarding requirements for fasteners, associated holes and blanking elements;
- f) revisions to Clause 12 regarding material restrictions associated with zinc and zinc alloys;