

AS/NZS 60079.0:2008  
IEC 60079-0, Ed. 5.0 (2007)

AS/NZS 60079.0:2008

Australian/New Zealand Standard™

**Explosive atmospheres**

**Part 0: Equipment—General  
requirements**



## **AS/NZS 60079.0:2008**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-014, Equipment for Explosive Atmospheres. It was approved on behalf of the Council of Standards Australia on 29 February 2008 and on behalf of the Council of Standards New Zealand on 11 April 2008.  
This Standard was published on 19 May 2008.

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AS/NZS 60079.0:2008

Australian/New Zealand Standard™

## **Explosive atmospheres**

### **Part 0: Equipment—General requirements**

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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-014, Equipment for Explosive Atmospheres, to supersede AS/NZS 60079.0:2005.

The objective of this Standard is to specify the general requirements for construction, testing and marking of electrical equipment and Ex components intended for use in explosive atmospheres.

This Standard is identical with, and has been reproduced from, IEC 60079-0, Ed. 5.0(2007), *Explosive atmospheres – Part 0: Equipment—General requirements*.

The main changes with respect to the previous edition are listed below.

- (a) Requirements for explosive dust atmospheres transferred from AS/NZS 61241.0.
- (b) The marking Group ‘II’ alone has been replaced by ‘IIA’, ‘IIB’, or ‘IIC’ as many of the enclosure requirements are now aligned with a specific sub-group.
- (c) Dust groups defined as Group IIIA, IIIB and IIIC.
- (d) Limits for ultrasonic and electromagnetic radiation introduced.
- (e) Remainder of ‘electrostatic’ requirements transferred from AS/NZS 60079.26.
- (f) Equipment protection levels (EPL) introduced.
- (g) Transition of term from ‘apparatus’ to ‘equipment’ (where appropriate).

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- (i) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
- (ii) In the source text ‘IEC 60079-0’ should read ‘AS/NZS 60079.0’.
- (iii) A full point should be substituted for a comma when referring to a decimal marker.

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