

Australian/New Zealand Standard™

**Explosive atmospheres**

**Part 10.2: Classification of areas—  
Explosive dust atmospheres**



### **AS/NZS 60079.10.2:2016**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee MS-011, Classification of Hazardous Areas. It was approved on behalf of the Council of Standards Australia on 26 October 2015 and on behalf of the Council of Standards New Zealand on 19 February 2016. This Standard was published on 5 April 2016.

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The following are represented on Committee MS-011:

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AS/NZS 60079.10.2:2016

# Australian/New Zealand Standard™

## Explosive atmospheres

### Part 10.2: Classification of areas— Explosive dust atmospheres

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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee MS-011, Classification of Hazardous Areas, to supersede AS/NZS 60079.10.2:2011, *Explosive atmospheres*, Part 10.2: *Classification of areas—Combustible dust atmospheres*.

The objective of this Standard is to set out the requirements for the identification and classification of areas where explosive dust atmospheres may be present, in order to permit the proper assessment of ignition sources in such areas.

This Standard is identical with, and has been reproduced from IEC 60079-10-2, Ed.2.0 (2015), *Explosive atmospheres*, Part 10-2: *Classification of areas—Explosive dust atmospheres*. Changes to the Standard introduced by this edition are listed in the IEC Foreword.

The classification of dust hazardous areas does not apply to domestic installations and is not intended to be applied to small commercial or retail installations where the type of handling is mainly manual and the scale of the operation is small and not continuous, such that the potential for significant dust clouds is low. These criteria would typically apply to small bakeries associated with ‘in store’ preparation of foods and other similar applications.

Competence for classification of hazardous areas, as described in Clause 4.3 of the Standard, may also be supported by training and/or assessment to relevant units from AS/NZS 4761, Parts 1 and 2, *Competencies for working with electrical equipment for hazardous areas (EEHA)*, or a similar training and/or assessment framework.

This Standard notes the optional consideration of Equipment Protection Levels (EPL) in Clause 4.1. Required processes for establishing EPL are provided in AS/NZS 60079.14.

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- (a) Its number appears on the cover and title page while the International Standard number appears only on the cover.
- (b) In the source text ‘this part of IEC 60079’ should read ‘this Australian/New Zealand Standard’.
- (c) A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards. The replacements at the time of publication are detailed in the following table but reference to the latest Australian or Australian/New Zealand Standard should be applied for any revisions after the publication of this Standard.

<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
IEC		AS/NZS	
60079	Explosive atmospheres	60079	Explosive atmospheres
60079-0	Part 0: General requirements	60079.0	Part 0: General requirements
60079-10-1	Part 10-1: Classification of areas— Explosive gas atmospheres	60079.10.1	Part 10.1: Classification of areas— Explosive gas atmospheres (IEC 60079-10-1, Ed.1.0 (2008) MOD)

Only normative references that have been adopted as Australian or Australian/New Zealand Standard have been listed.

The term ‘informative’ has been used in this Standard to define the application of the annex to which it applies. An ‘informative’ annex is only for information and guidance.

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