

AS/NZS 60079.7:2002
IEC 60079-7:2001
(Incorporating Amendment No. 1)

AS/NZS 60079.7:2002

Australian/New Zealand Standard™

Electrical apparatus for explosive gas atmospheres

Part 7: Increased safety 'e'



AS/NZS 60079.7:2002

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-014, Electrical Equipment in Hazardous Areas. It was approved on behalf of the Council of Standards Australia on 11 February 2002 and on behalf of the Council of Standards New Zealand on 19 February 2002.

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The following are represented on Committee EL-014:

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Australian Coal Association
Australian Electrical and Electronic Manufacturers Association
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-014, Electrical Equipment in Hazardous Areas.

This Standard incorporates Amendment No. 1 (July 2005). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

This Standard is identical with and has been reproduced from IEC 60079-7:2001, *Electrical apparatus for explosive gas atmospheres, Part 7: Increased safety “e”*.

The objective of this Standard is to set out the requirements for the design, construction, testing and marking of electrical apparatus with type of protection increased safety ‘e’ intended for use in explosive gas atmospheres; it applies to electrical apparatus with a rated value of supply voltage not exceeding 11 kV r.m.s. a.c. or d.c. and these apparatus do not produce arcs, sparks, or excessive temperatures in normal operation or under specified abnormal conditions.

This Standard will run concurrently with AS 2380.6—1988, *Electrical equipment for explosive atmospheres—Explosion-protection techniques Part 6: Increased safety*, until the AS/NZS 60079 series is complete, at which time the AS 2380 series will be withdrawn.

A reference to an International Standard identified in the Normative References Clause by strikethrough (~~example~~) is replaced by a reference to the Australian or Australian/New Zealand Standard(s) listed immediately thereafter and identified by shading (**example**).

As this Standard is reproduced from an International Standard a full point should be substituted for a comma when referring to a decimal marker.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the annex to which they apply. A ‘normative’ annex is an integral part of a Standard, whereas an ‘informative’ annex is only for information and guidance.

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