

AS/NZS 60079.17:2017

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Australian/New Zealand Standard™

Explosive atmospheres

**Part 17: Electrical installations
inspection and maintenance
(IEC 60079-17:2013 (ED.5.0) MOD)**



AS/NZS 60079.17:2017

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 16 October 2017 and by the New Zealand Standards Approval Board on 1 November 2017.
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The following are represented on Committee EL-014:

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Australian Petroleum Production and Exploration Association
Australian Pipelines and Gas Association
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This Standard was issued in draft form for comment as DR AS/NZS 60079.17:2016.

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Australian/New Zealand Standard™

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Part 17: Electrical installations inspection and maintenance (IEC 60079-17:2013 (ED.5.0) MOD)

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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 60079.17:2009, *Explosive atmospheres, Part 17: Electrical installations inspection and maintenance (IEC 60079-17, Ed. 4.0 (2007) MOD)*.

The objective of this Standard is to set out the requirements for ongoing inspections of electrical installations and maintenance of electrical equipment in explosive atmospheres.

This Standard is an adoption with national modifications; it has been reproduced from IEC 60079-17:2013 (ED.5.0), *Explosive atmospheres, Part 17: Electrical installations inspection and maintenance*, and has been varied as indicated to take account of Australian/New Zealand conditions.

This Standard is structured as follows:

- (a) Preface.
- (b) IEC 60079-17:2013 (ED.5.0) (unedited from the contents page to the final clause of the source document).
- (c) Appendix ZZ—Australian/New Zealand variations to the source document.

The variations listed in Appendix ZZ address issues including the following:

- (i) Identification of relevant AS or AS/NZS Standards as normative references.
- (ii) Reference to competency of personnel rather than qualifications, and deletion of Annex B and in its place reference to AS/NZS 4761.1, *Competencies for working with electrical equipment for hazardous areas (EEHA) Part 1: Competency Standards*.
- (iii) Modification of normal inspection periods from 3 years to 4 years for established practice in Australia and New Zealand.
- (iv) Reduction and clarification of some inspection details to meet accepted practice in Australia and New Zealand.
- (v) Addition of inspection details for Ex'v' and type of protection 'p' for rooms to Australian Standards.

As this Standard is reproduced from an International Standard, the following applies:

- (A) In the source text 'this part of the IEC 60079 series' should read 'this Australian/New Zealand Standard'.
- (B) A full point substitutes for a comma when referring to a decimal marker.

Australian or Australian/New Zealand Standards that are identical adoptions of international normative references may be used interchangeably. Refer to the online catalogue for information on specific standards.

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

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