

AS/NZS 61241.0:2005
IEC 61241-0, Ed.1 (2004)
(Incorporating Amendment No. 1)

AS/NZS 61241.0:2005

Australian/New Zealand Standard™

**Electrical apparatus for use in the
presence of combustible dust**

Part 0: General requirements



AS/NZS 61241.0:2005

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 8 April 2005 and on behalf of the Council of Standards New Zealand on 15 April 2005.
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The following are represented on Committee EL-014:

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Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Australian Industry Group
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Certification Interests (Australia)
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Part 0: General requirements

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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 to supersede, in part, AS/NZS 61241.1.1:1999.

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 61241-0, Ed. 1 (2004), *Electrical apparatus for use in the presence of combustible dust – Part 0: General requirements*.

The objective of this Standard is to specify general requirements for the design, construction and testing of electrical apparatus to be used in areas where combustible dusts are or may be present.

This first edition of AS/NZS 61241.0, together with AS/NZS 61241.1, cancels and replaces AS/NZS 61241.1.1:1999.

This Standard (and other parts within this Series) was developed to align protection methods associated with electrical apparatus for use in the presence of combustible dust and those similar protection methods associated with the AS/NZS 60079 series of Standards, where possible.

AS/NZS 61241 consists of the following parts under the general title: *Electrical apparatus for use in the presence of combustible dust*:

Part 0:	General requirements
Part 1:	Protection by enclosures ‘tD’
Part 2:	Type of protection ‘pD’*
Part 10:	Classification of areas where combustible dusts are or may be present
Part 11:	Protection by intrinsic safety ‘iD’†
Part 14:	Selection and installation
Part 17:	Inspection and maintenance of electrical installations in hazardous areas (other than mines)†
Part 18:	Protection by encapsulation ‘mD’
Part 20:	Test methods‡
Part 20.1:	Methods for determining the minimum ignition temperatures of dust
Part 20.2:	Method for determining the electrical resistivity of dust in layers
Part 20.3:	Method for determining minimum ignition energy of dust/air mixtures

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- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
- (b) In the source text ‘this international standard’ should read ‘this Australian/New Zealand Standard’.
- (c) A full point should be substituted for a comma when referring to a decimal marker.

* To be published (to supersede current AS/NZS 61241.4).

† To be published.

‡ Under consideration (to supersede current Parts 2.1, 2.2 and 2.3).

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