

AS/NZS 60079.20:2000  
IEC/TR 60079-20:1996  
(Incorporating Amendment No. 1)

AS/NZS 60079.20:2000

Australian/New Zealand Standard™

**Electrical apparatus for explosive gas atmospheres**

**Part 20: Data for flammable gases and vapours, relating to the use of electrical apparatus**



## **AS/NZS 60079.20:2000**

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 16 June 2000 and on behalf of the Council of Standards New Zealand on 28 April 2000.  
This Standard was published on 25 July 2000.

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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/TR 60079-20:1996, *Electrical apparatus for explosive gas atmospheres - Part 20: data for flammable gases and vapours, relating to the use of electrical apparatus*.

Footnotes were included in pages 2, 4 and 5 to highlight type errors and incorrections in the original text (identified by shading).

One additional footnote (identified by shading) was included in page 3 to provide information on the Australian industry practice regarding the addressed Clause 4.6 (Methane).

Additional information on equivalences of chemical names is provided in Annex B (identified by shading in the Contents).

The chemical names in the left columns of Tables B1 and B2 were previously included in Table 5.1 of the superseded Standard AS 1076.1:1977, *Code of practice for the selection, installation and maintenance of electrical apparatus and associated equipment for use in explosive atmospheres (other than mining applications) Part 1: Basic requirements*.

The objective of this Standard is to provide guidance on the selection of appropriate electrical apparatus, protected by flameproof enclosure or designed to be intrinsically safe, according to the gas or vapour in which it is intended to be used.

In January 1997, the IEC commenced numbering its Standards from 60000 by adding 60000 to the number of each existing Standard. This coordinates IEC numbering with ISO numbering. During the transition period an IEC Standard might be identified by its new number or its old number (for example, IEC 60050 or IEC 50).

A reference to an International Standard identified in the Reference Documents 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 Technical Report—Type 3 a full point should be substituted for a comma when referring to a decimal marker.

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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