

Australian/New Zealand Standard™

## **Classification of hazardous areas**

**Part 3.2: Examples of area  
classification—Vehicle workshops,  
vehicle parking, fuel dispensing stations  
and aircraft hangars**

#### **AS/NZS 2430.3.2:2004**

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 31 March 2004 and on behalf of the Council of Standards New Zealand on 30 April 2004. It was published on 20 May 2004.

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The following are represented on Committee MS-011:

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Australian Association of Certification Bodies  
Australian Chamber of Commerce and Industry  
Australian Gas Association  
Australian Industry Group  
Australian Liquefied Petroleum Gas Association Limited  
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We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia International or Standards New Zealand at the address shown on the back cover.

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# Australian/New Zealand Standard™

## Classification of hazardous areas

### Part 3.2: Examples of area classification—Vehicle workshops, vehicle parking, fuel dispensing stations and aircraft hangars

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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 2430.3.2:1997, *Classification of hazardous areas, Part 3.2: Vehicle workshops, vehicle parking, fuel dispensing stations and aircraft hangars*.

The objective of the AS/NZS 2430.3 series of Standards is to provide guidance to the industries and statutory authorities concerned with the classification of hazardous areas.

Changes to the 1997 edition include—

- (a) incorporation of the three issued amendments;
- (b) rewording of Clauses 5 and 9.1;
- (c) correction of typographical errors;
- (d) alteration of the symbols for hazardous areas zones (to align with AS/NZS 60079.10); and
- (e) update of referenced documents.

This series of Standards details examples of area classification of commonly occurring situations, based on the principles of AS/NZS 60079.10, *Electrical apparatus for explosive gas atmospheres, Part 10: Classification of hazardous areas*.

The AS/NZS 2430.3 series is as follows:

## AS/NZS

2430.3	Classification of hazardous areas—Examples of area classification
2430.3.1	Part 3.1: General
2430.3.2	Part 3.2: Vehicle workshops, vehicle parking, fuel dispensing stations and aircraft hangars (this Part)
2430.3.3	Part 3.3: Flammable liquids
2430.3.4	Part 3.4: Flammable gases
2430.3.5	Part 3.5: Refineries and major processing plants
2430.3.6	Part 3.6: Laboratories including fume cupboards and flammable medical agents
2430.3.7	Part 3.7: Landfill gas, sewage treatment and sewage pumping plants
2430.3.8	Part 3.8: Surface coatings and adhesives
2430.3.9	Part 3.9: Miscellaneous

The AS 2430 series of Standards for classification of hazardous areas used to be formed by AS 2430.1, AS 2430.2 and AS 2430.3.

AS 2430.2 was replaced by AS/NZS 61241.3 in 1999 and AS 2430.1 was replaced by AS/NZS 60079.10 in 2004.

In 1997, AS 2430.3 was split into a Series of nine Parts – 3.1 to 3.9; these initial nine Parts have been superseded by this 2004 edition.

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## STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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**Australian/New Zealand Standard**  
**Classification of hazardous areas**


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**Part 3.2: Examples of area classification—Vehicle workshops, vehicle parking, fuel dispensing stations and aircraft hangars**


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**1 SCOPE**

This Standard provides examples of area classification for areas associated with vehicle workshops, vehicle parking, fuel dispensing stations and aircraft hangars. The Standard is part of the AS/NZS 2430.3 series, which recommends the classification of several commonly occurring situations, and should be read in conjunction with AS/NZS 2430.3.1.

**2 REFERENCED DOCUMENTS**

The following documents are referred to in this Standard:

**AS**

- |        |   |
|--------|---|
| 1074   | Steel tubes and tubulars for ordinary service   |
| 1482   | Electrical equipment for explosive atmospheres—Protection by ventilation—Type of protection v |
| 2229   | Electrical equipment for explosive atmospheres—Electrical systems of dispensing equipment     |
| 2229.2 | Part 2: Liquefied petroleum gas dispensing equipment  |
| 2381   | Electrical equipment for explosive atmospheres—Selection, installation and maintenance        |
| 2381.1 | Part 1: General requirements  |
| 2746   | Working areas for gas-fuelled vehicles  |

**AS/NZS**

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|----------|---|
| 1596     | Storage and handling of LP gas                                    |
| 2053     | Conduits and fittings for electrical installations                |
| 2430.3   | Classification of hazardous areas—Examples of area classification |
| 2430.3.1 | Part 3.1: General   |
| 2430.3.3 | Part 3.3: Flammable liquids                                       |
| 2430.3.9 | Part 3.9: Miscellaneous   |
| 60079    | Electrical apparatus for explosive gas atmospheres                |
| 60079.10 | Part 10: Classification of hazardous areas                        |

**NZS**

- |        |   |
|--------|---|
| 5425.1 | Code of practice for CNG compressors and refuelling stations, Part 1: On site storage and location of equipment             |
| 6109.2 | Electrical systems of dispensing equipment for explosives atmospheres, Part 2: Liquefied petroleum gas dispensing equipment |

**AG (The Australian Gas Association)**

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| 901 | Code of Practice for NGV Refuelling Stations |
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