

**ERMA New Zealand  
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**Code of Practice**

**AS/NZS 60079.10:2004 and  
AS/NZS 2430.3:2004**

**Approved Code of Practice  
Under the Hazardous Substances and New  
Organisms (HSNO) Act 1996**

<b>Code of Practice:</b>	<b>HSNOCOP 37-1</b>
<b>Version:</b>	<b>06-09</b>
<b>Date of Approval:</b>	<b>June 2009</b>

## Approval of Code of Practice

This Code of Practice entitled AS/NZS 60079.10:2004 and AS/NZS 2430.3:2004 is approved as a Code of Practice No. HSNO COP 37-1 pursuant to Sections 78 and 79 of the Hazardous Substances and New Organisms Act. The Environmental Risk Management Authority has delegated the power to approve Codes of Practice to the Chief Executive of ERMA New Zealand, and this code is approved in accordance with that delegation. It is confirmed that the requirements of Sections 78 and 79 have been met.

This publication is approved as a means of compliance with regulation 58 of the Hazardous Substances (Classes 1 to 5 Controls) Regulations 2001 in respect of the standards for the delineation of hazardous atmosphere zones.

Approval of the code is limited to those matters in the document that relate to legislative requirements under the HSNO Act and its regulations

The series of standards AS/NZS 2430.3: 2004 is a 2004 edition of the 1997 series and AS/NZS 60079.10 supersedes AS 2430.1-1987 and NZS 6101:1998.

The intended publication date in the Gazette for the Notice of Approval of this Code of Practice is 2 July 2009.

Pursuant to Section 80 (1) (a) of the Act, a copy of the code may be inspected at the Wellington office of ERMA New Zealand.

Pursuant to Section 80 (1) (b) of the Act, a copy of the code is available from the ERMA New Zealand website [www.ermanz.govt.nz](http://www.ermanz.govt.nz).

Approved this 25 June 2009.

A handwritten signature in black ink, appearing to read 'Rob Forlong', is written over a faint, light grey watermark that says 'ERMA New Zealand'.

Rob Forlong  
**Chief Executive**  
**ERMA New Zealand**

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## Foreword

Regulation 58 of the Hazardous Substances (Classes 1 to 5 Controls) Regulations requires hazardous atmosphere zones to be established when the threshold quantity is exceeded. The AS/NZS 2430.3 *Classification of hazardous areas* series of standards provides examples of hazardous atmosphere zones and the standard AS/NZS 60079.10 *Electrical apparatus for explosive gas atmospheres, Part 10: Classification of hazardous areas* provides a methodology for delineating the hazardous atmosphere zones using a principled basis.

The delineation of hazardous atmosphere zones should be undertaken with a good knowledge of the plant and processes involved as well as a good knowledge of the properties of the flammable substances involved i.e. the user should have the competency to determine whether the example as outlined in the AS 2430.3 series of standards is actually applicable.

## **1 Purpose**

The purpose of this Approved Code of Practice is to update the standards that can be used for the establishment of hazardous atmosphere zones at places where hazardous substances with classes 2.1.1A, 2.1.1B, 2.1.2A, 3.1A, 3.1B or 3.1C are contained.

## **2 Scope**

This Code provides a means of compliance with the requirements of Regulation 58 of the Hazardous Substances (Classes 1 to 5 Controls) Regulations 2001.

This Code of Practice is approved by the Environmental Risk Management Authority (Authority) pursuant to Sections 78 and 79 under the HSNO Act as a means of compliance with regulation 58 of the Hazardous Substances (Classes to 1 to 5 Controls) Regulations 2001.

Compliance with this Code does not obviate the requirement to comply with other sections of the HSNO legislation (or related regulations) or other legislation such as the Health and Safety in Employment Act 1992.

## **3 The HSNO Act and the Place of Codes of Practice**

The HSNO regulations are largely performance based, that is, they specify a desired outcome without necessarily prescribing how to achieve it. They do not require that a single specific means be used to comply with any regulation and this allows for variations in method used for compliance.

The HSNO Act provides for Codes of Practice approved by the Authority to identify acceptable solutions to comply with the specified regulatory requirements. An Approved Code of Practice provides users with a method of meeting the control requirements with a degree of prescription and assistance.

In addition, specific provisions of the HSNO regulations and Gazetted transfer notices permit Codes of Practice to be approved by the Authority as alternatives to other specified requirements provided they can be shown to provide an equivalent level of safe management.

Regulation 58 of the Hazardous Substances (Classes 1 to 5 Controls) Regulations 2001 specifies standards for the delineation of hazardous atmosphere zones. Sub clause (c) enables the Authority to approve a code as an alternate to the nominated standards.

## 4 Delineation of Hazardous Atmosphere Zones

### 4.1 AS 60079.10: 2004

The standard AS/NZS 60079.10 *Electrical apparatus for explosive gas atmospheres, Part 10: Classification of hazardous areas* has superseded AS 2430.1 and NZS6101.1:1998.

### 4.2 AS/NZS 2430.3 series of standards: 2004 edition

The AS/NZS 2430 *Classification of hazardous areas* series of standards details examples of zonal classification based on AS/NZS 60079.10.

The AS/NZS 2430.3 series includes:

AS/NZS	
2430.3.1	Part 3.1: General
2430.3.2	Part 3.2: Vehicle workshops, vehicle parking, fuel dispensing stations and aircraft hangars.
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

This 2004 series of nine parts (Parts 3.1 to 3.9) have superseded the 1997 edition.

AS/NZS 2430.3.1 details general matters which must be taken into account when using any other of the AS/NZS 2430.3 series of Standards. Hence the application of AS/NZS 2430.3.2 to AS/NZS 2430.3.9 should only be used in conjunction with AS/NZS 2430.3.1.

### 4.3 Application of standards

Subsequent to the Hazardous Substances (Classes 1 to 5 Controls) Regulations 2001 coming into effect, the standards cited in Regulation 58 of these regulations have been re-issued. This Code enables AS/NZS 60079.10:2004 and the AS/NZS 2430.3:2004 series of standards to be used. It does not revoke the standards nominated in Regulation 58 of the Hazardous Substances (Classes 1 to 5 Controls) Regulations 2001.