



**Hazardous Area Basics
(Group III)
1-Day On-Site Workshop* 2017**

This workshop is specifically for non-electrical personnel who require an introduction to safety Group III hazardous areas (combustible dusts).

This workshop is suitable for first time and continuing training.

Upon completion of this workshop trainees should:

- Be up-to-date with changes that have occurred in the relevant hazardous area Australian Standards
- Understand legislation, compliance and competency
- Have existing hazardous area knowledge reinforced
- Know the basics of how Group III hazardous areas are classified
- Understand hazardous area classification drawings
- Understand equipment markings
- Understand sources of ignition

Date of the Workshop: Date to be agreed

Time: 7.00 to 7.30 am registration

7.30 am to 4.30 pm workshop (to be agreed)

Breaks:	8.30 to 8.35 am	Brain recovery
	9.30 to 9.45 am	Tea/coffee
	11.00 to 11.05 am	Brain recovery
	12.00 noon to 12.40 pm	Lunch
	1.40 to 1.45 pm	Brain recovery
	2.45 to 3.00 pm	Tea/coffee

Venue: At your factory

Catering: You provide all tea, coffee, soft drinks and light lunches

CPD: This workshop provides nine hours of Continuous Professional Development (CPD) to assist practicing professional engineers and technicians to develop and maintain their hazardous area technical skills and knowledge.

Recognition: *'Esso Training and Procedures Group has endorsed us as an approved*

provider of "Hazardous Area Wiring" refresher training for Esso maintenance and designated contractor technicians - Marlene Hutty, EAPL training Coordinator

Full Workshop Fee: Workshops presented from 1st January to 31st December 2017
\$380.00 + \$38.00 (GST) = \$418.00 per person
Minimum of number of trainees is 10 and maximum is 25.

Workshop fee includes:

- Comprehensive workshop notes
- Workshop certificate

Early Bird Discount: **Save an amazing \$55.00** per person by paying **within 14 days** after the start of the workshop

Early bird fee: \$330.00 + \$33.00 (GST) = \$363.00 per person

Payment: Full workshop fee: Payment must be received **within 28 days** after commencement of workshop.

Early bird discount: Payment must be received **within 14 days** after commencement of workshop to receive discounted fee.

MasterCard, Visa, cheque or EFT are accepted.

Substitutes: If an enrolled person is unable to attend a substitute is allowed at no extra charge. Details must be faxed or emailed in advance.

Transfers: Enrolment transfers to another workshop are not permitted.

Cancellations: A \$82.50 fee applies to each cancelled workshop place received in writing more than two weeks prior to the agreed commencement date of the training workshop. Regrettably, no refunds are available after this date or if a trainee fails to attend and no substitute fills the place. The workshop folder will be posted to the trainee. A letter will be mailed following payment in full advising a 40% discount applies on one future 1-day workshop place for each cancelled or no-show booking. This offer is valid for 12 months and no further discounts will apply.

Set-up: Venue needs to be set-up the afternoon prior to commencement of workshop. Seating should be at tables arranged in a U shape with six additional large tables for demonstration equipment and documentation. See Appendix A for suggested room layout. Note boardroom tables are unsuitable.

Names: A list of enrolled names is required two weeks prior to commencement of the workshop. Please provide the following for each trainee:

- Name for the name badge and workshop folder
- Name (if different to name badge) for the certificate
- Job title
- Contact phone number, fax number and or email address.

Workshop Outline

1) Introduction

- 1. 1 Hazardous Areas
- 1. 2 Who is Responsible?
- 1. 3 Statute Laws and Standards
- 1.4 AS/NZS3000 Non Compliance Issues
- 1.5 Qualifications and Competency

2) Hazardous Area Classification

- 2.1 Combustible Dusts - Group III

3) Sources of Ignition

4) Selection of Equipment

- 4.1 List of Australian Standards

5) Hazardous Area Verification Dossier

6) Self Appraisal

- 6.1 Appraisal questionnaire
- 6.2 Appraisal questionnaire answers

7) Discussion

Delivery of Workshop

Workshops are presented using PowerPoint slides, a video clips, video tapes and real hazardous area electrical equipment.

The Workshop Author and Presenter

Colin Baker is a practising professional engineer, qualified workplace assessor (Certificate IV) and workplace trainer who has been involved with surge protection, intrinsic safety and hazardous area installations since 1970. He has worked for some of the major manufacturers of hazardous area instrumentation and has gained significant surge protection and hazardous area experience through designing, installing, commissioning and inspecting equipment and installations.

Colin has provided training and technical support to many chemical, petrochemical and public utility companies around the world and has written and presented numerous papers locally and internationally.

An H Class Licensed Electrical Inspector (Vic) and an Accredited Auditor (Qld), Colin is qualified to inspect hazardous area electrical installations under the 2009 Victoria Electricity Safety (Installation) Regulations and the 2002 Queensland Electrical Safety Regulation.

He sits on the joint Australian/New Zealand Standards committees MS-066 (was P-012) for hazardous area competency, EL-014 for equipment in explosive atmospheres and MS-011 for classification of hazardous areas. He sits on sub-committees EL-014-4 for standards on Intrinsic Safety, Encapsulation, Special Protection and Combustible Dusts; ME-026-02 for standards on industrial hazardous area trucks; EL-014-8 for standards on spray painting booths and has provided input for EL-014-9 for standards on gas detectors.

Explosion Protection Technology Pty Ltd is a leading independent and Australian owned consulting and training organisations founded by Colin. The company specialising in the safety of hazardous area electrical installations based on the current Australian Standards including:

- Classifying hazardous areas
- Checking electrical installations located in hazardous areas
- Assisting clients to obtain certification of hazardous area electrical equipment
- Running hazardous area workshops

Appendix A

Recommended Room Layout (example for 14 trainees)

