



Hazardous Area Basics

1-Day Workshop* - Tuesday 10 September 2019

Sydney (Parramatta)

This workshop provides an introduction to safety and your responsibilities in Group II (flammable gases, liquids and vapours) and Group III (combustible dusts) hazardous areas.

This workshop is suitable as first time or refresher training for personnel requiring a basic introduction to hazardous areas. If you require an introduction to hazardous area electrical installations, please refer to our 2-day workshop.

Potential sources of ignition are often taken into hazardous locations where flammable liquids, gases, vapours and dusts are generated, processed, handled and stored. These flammable substances can easily ignite from an arc, spark or heat. It is essential you avoid accidental ignition of these flammable substances.

Based on the current Australian Standards, trainees will receive a basic understanding of hazardous area legislation, how hazardous areas are classified, and sources of ignition.

Ensure you remain compliant* and maintain your hazardous area skills and knowledge by enrolling on this essential workshop today.

Workshop topics:

- How to prevent hazardous area fires and explosions
- Legislation, compliance and competency
- How Group II and Group III hazardous areas are classified
- How to read hazardous area classification drawings
- How to read equipment markings
- How to recognise sources of ignition

**Continuing education or training is required - see clause 4.5 of AS/NZS600079.14:2017 and clause 4.2 of AS/NZS600079.17:2017*

Upon completion of this workshop trainees should:

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

Date of the Workshop: Tuesday 10 September 2019

Time: 7.30-8.00 am Registration

Workshop runs from 8.00 am to 5.00 pm

Venue: Parramatta City Motel

40-44 Great Western Highway (Cnr Marsden Street)

Parramatta, NSW 2150

Accommodation: Available at venue. A special rate applies for trainees. Call 02 9635 7266 to make a reservation.

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 Huty, EAPL training Coordinator*

Full Workshop Fee: \$450.00 + \$45.00 (GST) = \$495.00 per person.

Fee must be paid by start of the workshop.

Workshop fee includes:

- Comprehensive workshop notes
- Lunch
- Refreshments
- Workshop certificate

Early Bird Discount: **Save \$55.00** per person

Early bird fee: \$400.00 + \$40.00 (GST) = \$440.00 per person

Fee must be paid by Monday 26 August 2019. Enrolment form and payment are required by the due date if discount is to apply.

- Enrolment:** Please complete and email the enrolment form to secure your place. Upon receipt of your enrolment an invoice will be forwarded to you for payment by MasterCard, Visa, cheque or EFT. Payment is required by commencement of the workshop.
- Substitutes:** If an enrolled person is unable to attend a substitute is allowed at no extra charge. Details must be 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 by Monday 26 August 2019. 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 enrolled 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.
- Cut-off Date:** The final date for enrolment on this workshop is Tuesday
3rd September 2019

Workshop Outline

1) Introduction

- Hazardous areas
- Who is responsible
- Statute laws and Standards
- AS/NZS3000 non compliance issues
- Qualifications and competency

2) Hazardous Area Classification

- Zone classification - Group II
- Gas classification - equipment group
- Temperature classification - T Class
- Ambient temperature range of explosion protected equipment
- Area classification - Group II
- Combustible dusts - Group III

3) Sources of Ignition

4) Selection of Equipment

- List of Australian Standards

5) Self Appraisal

- Appraisal questionnaire
- Appraisal questionnaire answers

6) Discussion

Delivery of Workshop

Workshops are presented using PowerPoint slides, video clips, examples of hazardous area classification drawings, real hazardous area electrical equipment and the Australian Standards.

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; EL-014-1 for standards for fuel dispensing; EL-014-13 Technical Advisory Group and has provided input for EL-014-9 for standards on gas detectors.

Explosion Protection Technology 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

Enrolment Form

**Hazardous Area Australian Standards Simplified
1-Day Workshop Tuesday 10 September 2019
Sydney (Parramatta)**

Please print clearly when completing this form

Name: Mr / Ms / Dr

(First Name and Surname for Name Badge. If name is
different for Certificate please print below.)

Job Title:

Company Name:

Address:

Postcode:

Telephone:

Email:

To secure your place in this workshop please complete this Enrolment Form and the Payment Form and email sue@eptech.com.au

The payment can be made by credit card (MasterCard or Visa), cheque or EFT. A Tax Receipt will be forwarded to you upon receipt of payment.

Checklist: (Tick the box to ensure your booking is complete)

Remember if you book and pay by the due dates (see Page 3), you will receive substantial discounts off the full workshop price.

- Complete Enrolment Form
- Complete Payment Form
- Forward both completed forms by email. Contact details below.

Payment Form

Please print clearly and email this Payment Form together with your Enrolment Form and Purchase Order (if applicable).

Company Name: _____

Name of Person making payment: _____

Telephone: _____

Email: _____

Date of Payment: _____

Amount being paid: _____

Workshop fees: Ensure we receive your Enrolment Form and your payment together.

By Monday 26 August 2019: \$400.00 + \$40.00 (GST) = \$440.00 per person

After Monday 26 August 2019: \$450.00 + \$45.00 (GST) = \$495.00 per person

The workshop fee must be paid by start of the workshop.

Please tick the method of payment.

EFT Bank: ANZ, 92 High Street, BERWICK, VICTORIA, 3806

BSB: 013 542 Account Number: 4094 25557

Account Name: Explosion Protection Technology Pty Ltd

Cheque Payable to: **Explosion Protection Technology Pty Ltd**

Post cheques to: Explosion Protection Technology Pty Ltd

PO Box 216, BERWICK, VICTORIA, 3806

Credit Card VISA MASTERCARD

Card Number: Expiry Date:

Name on card:

Credit Card CVV Number (last 3 digits of the number printed on signature strip):

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Signature of Authorisation:

Payment of Eptech Invoice Please pay invoice immediately upon receipt of your Eptech invoice.