
TRAINING COURSE

Area classification

This two day course provides an overview of different classification and regulations of hazardous areas.

10th - 11th October 2017 - Manchester, Renaissance Hotel

17th - 18th April 2018 - Edinburgh, Radisson Hotel

9th - 10th October 2018 - Manchester, Renaissance Hotel



Area classification

What is your process? Can you have combustible / flammable atmospheres?

Have you identified the likelihood of a combustible or flammable atmosphere occurring?

As part of the overall assessment have you a documented area classification?

The classification of hazardous areas is an integral part of the overall risk assessment process required under Regulation 7 of the Dangerous Substances and Explosive Atmospheres Regulations 2002 (DSEAR) and Regulation 9 of the Prevention of Fire and Explosion and Emergency Response Regulations 1995 (PFEER).

Its purpose is to define the extent, frequency and duration of an explosive atmosphere (the zone). The zone in turn defines the requirements for the selection of equipment and protective systems so as to control sources of ignition.

Compliance with DSEAR is mandatory for any onshore operator handling dangerous substances and PFEER for any operator of fixed offshore installations.

Duration: 2 days

Price

Member of IChemE - £1160 + VAT

Non-Member - £1220 + VAT

What the course will cover

- Introduction to DSEAR (2002) and in particular the requirements for area classification and selection of equipment to avoid ignition sources
- The flammability of gases, vapours and dusts and how they relate to area classification
- Introduction to BS EN 60079-10-1:2015 the British Standard for area classification relating to gases and vapours. The scope of this standard is addressed, in particular the grading of releases and the effect of ventilation
- The course provides an overview of two widely used codes, EI15 edition 4 and SR25 edition 2 including syndicate exercises
- Introduction to BS EN 60079-10-2:2015 the British Standard for area classification relating to dusts. The scope and use of this standard is addressed, complete with a syndicate exercise

Who will benefit and what will they gain?

The course should suit recent graduates and experienced staff with operations, process, engineering and safety responsibilities.

On completion you should be able to:

- Understand why area classification is carried out
- Understand the principles of area classification
- Understand the steps in the area classification procedure
- Identify the grades of release and how they relate to zoning

- Appreciate the industry codes available that can be used to establish the extent of zones
- Understand the requirements for selection of equipment to be installed in potentially explosive atmospheres
- Join an area classification meeting and work under the direction of an experienced practitioner

Course leader

Peter Hodgson, Consultant, ABB Consulting. Peter has over 10 years of experience in the ATEX and DSEAR field, including Hazardous Area Classification, DSEAR Compliance, and Mechanical Equipment Risk Assessment, in many industries including oil & gas, chemicals, paints and coatings, material handling, pharmaceuticals and offshore.

The training method

Lecture presentations are supplemented with case studies and syndicate exercises.

This course meets the requirements of Continuing Professional Development (CPD).

Day one agenda (9am-5pm)

Introduction to DSEAR (2002) and how area classification plays an integral part in assessing the risk to personnel

The flammability of gases, vapours and dusts and how they relate to area classification equipment for use in hazardous areas

- New equipment
- Existing installed equipment

BS EN 60079-10-1:2015 (Gases & Vapours) - British Standard 'Classification of hazardous areas'.

- Introduction to this standard
- Scope and use
- Procedure

Use of an 'Industry Code' (1).

- The Institution of Gas Engineers (IGE/SR/25) edition 2 'Hazardous area classification of natural gas installations'
- Scope and use

Day two agenda (9am-4pm)

Use of an 'Industry Code' (2)

- EI model Code of Practice in the Petroleum Industry, Part 15, edition 4. 'Area classification code for installations handling flammable fluids'
- Overview
- Structure

BS EN 60079-10-2:2015 (Dusts) - British Standard 'Classification of areas where combustible dusts are or may be present'

- Introduction to this standard
- Procedure
- Syndicate exercise using BS EN 60079-10:2

Forum and close

*ABB reserve the right to amend the course agenda.

How to book

Web: www.abb.com/uk/consulting/training

Email: jackie.kendall@gb.abb.com

Phone: Call Jackie Kendall on +44 (0)1642 372121

Booking form

No. of places

10 th - 11 th October 2017 - Manchester, Renaissance Hotel	
17 th - 18 th April 2018 - Edinburgh, Radisson Hotel	
9 th - 10 th October 2018 - Manchester, Renaissance Hotel	

Delegate details

Dr/Mr/Mrs/Ms

First Name

Surname

Job title

Company name

Address

Telephone

Email

Fee per delegate

Member of IChemE - £1160 + VAT

Non-Member - £1220 + VAT

Discounts are available for bookings of 3 or more delegates. The fee includes course documentation, refreshments and lunch but does not include accommodation.

Payment

Please debit my credit card (Mastercard/Visa/American Express)

Card number

Cardholder details (if different)

Expiry date

Security code

Cancellations made up to 28 days prior to the event will be subject to an administration fee of £50. Cancellations made 27-14 days prior to the event will be subject to a cancellation fee of 50%. Cancellations made thereafter will be subject to the full event fee, however a substitute delegate can be named at any time. Prices apply to bookings made prior to 31st December 2017.

Payment is due at the end of the month following a booking confirmation - ABB reserves the right to cancel bookings if payment is not made by this date. Accommodation is not included in the fee. We have reserved a limited amount of hotel accommodation subject to confirmation. Please mention you will be attending an ABB Consulting event when booking. Hotel details will be forwarded on receipt of the registration form. It may be necessary for reasons beyond the control of the organisers to cancel the event, alter the content, change the timing of the programme, or the listed speaker(s). This event is aimed at operating company personnel only. Please note: If you request overnight accommodation at the hotel via ABB and then choose to cancel less than 2 weeks prior to the event then it is your responsibility to pay any cancellation fees. ABB reserves the right to use any photograph / video taken at any event.