



Area Classification

Based on EN 60079-10:2003

EN 60079-10 is the primary code of practice for this course but other codes, particularly the Institute of Petroleum Code part 15 (IP15), will also be referenced.

- 08.45 Registration
- 09.00 Introduction (15 mins)
- ✓ The lecturer and delegates introduce themselves
 - ✓ The objectives and organisation of the course
 - ✓ The process of area classification is put into context
- 09.15 Lecture 1: Introduction to the Area Classification for gases & Vapours (60 mins)
- ✓ The various codes of practice: EN 60079-10, IP15 and others
 - ✓ Definitions and meanings of zones for gases and dusts
- 10.15 Break
- 10.30 Lecture 2: Area Classification procedures (30 mins)
- ✓ Who is responsible for area classification?
 - ✓ The legal imperative for area classification
 - ✓ The area classification team
 - ✓ The procedure and documentation for area classification
- 11.00 Lecture 3: Codes of practice (30 mins)
- ✓ The general philosophy of EN 60079-10
 - ✓ The general philosophy of IP15 Chapter 3
- 11.30 Exercise 1: Classification by example(30 mins)
- ✓ Classification of a tank farm against EN 60079-10, with the answer compared to that from IP15
- 12.00 Lecture 3: Codes of practice (continued) (15 mins)
- ✓ The general philosophy of IP15 Chapter 5
- 12.15 Exercise 2: Classification by example (30 mins)
- ✓ Classification of an outdoor plant
- 12.45 Lunch
- 13.45 Lecture 4: Calculations to determine zone extent (45 mins)
- ✓ The use of calculations as an alternative to classification by example for a code of practice.
 - ✓ Calculations for release rate and zone extent
 - ✓ Calculations for indoor situations
- 14.30 Lecture 5: Indoor area classification (30mins)
- ✓ The effects of limited ventilation
 - ✓ Releases within buildings
 - ✓ Doors and openings
- 15.00 Break
- 15.15 Exercise 3: Classification of an indoor plant (30 mins)- *time permitting*
- ✓ Classification using calculation of hypothetical volume and an estimation of zone extent
- 15.45 Lecture 6: Area Classification for flammable dusts (30 mins) – *if required*
- ✓ Summary of EN 61241-10:2004
 - ✓ Dust characteristics, area classification and electrical equipment.
- 16.15 Exercise 4: Area Classification for Dusts
- 16.30 General Forum
- 17.00 Close

