

ROXBY



Training Solutions

CompEx Ex01 -Ex04

Gas and Vapours

Introduction

CompEx is the national training and assessment scheme for electro technical crafts personnel who work in potentially explosive atmospheres, such as on-and off-shore Oil & Gas Pharmaceuticals, Energy, Chemical industries etc.

CompEx is a national joint training initiative developed and implemented by the Engineering Equipment and Material Users Association (EEMUA) and JTL and is supported by the Health and Safety Executive (HSE).

JTL who is the National training agent for the Electrical contracting industry has been appointed to develop, operate and manage the training provision across the UK and has licensed and accredited a number of centres to deliver the training and assessment.

Course Content

Aim

To deliver competence based training and assessment in the selection, use, maintenance, and inspection of electrical apparatus in potentially explosive atmospheres in accordance with the requirements of BS EN 60079 series relevant standards.

On completion of the assessments they are sent to the Awarding Body JTL for marking, and if successful the candidates shall be issued with a certificate of core competence by JTL.

Pre-requisites

Candidates for the course should be competent electrical and or instrument craft personnel. You are required to bring with you Photo Identification and suitable evidence that you are a fully qualified electrical or instrument craftsman. Ideally this could be an NVQ L3, Apprenticeship Cert/Indentures, or an ECS-JIB Gold Card. Alternatively, an employer support letter may be sufficient – a template for this can be provided on request

Course Duration

The course is 5 days in duration.

Optimum Number

A maximum of 8 candidates per course.

Course Language

The course is delivered in English. Therefore candidates must have a good standard of both written and verbal English.

Courses can be delivered in other languages however, this would need to be discussed prior to acceptance on the course. It is the responsibility of the person making the booking to make Roxby aware of this requirement.

Training Aids

A Roxby presentation using course hand-outs based on the EEMUA Publication 186 - A Practitioners Hand Book and Publication 214 - The Toolbox Guide. This is followed with practical training and assessments.

Course Syllabus

- Area classification
- Gas groups
- Temperature classification
- I P Ratings
- Selection of equipment
- Ignition sources
- Legislation
- Directives and standards
- Earthing and bonding
- Ex'i', Ex'd', Ex'e', Ex'p', Ex'm', Ex'n', Ex'o' and Ex'q'
- Wiring systems and glanding
- Installation, maintenance, inspection and testing
- Feedback and Review

CompEx Course

Typical Timings of Course Programme:

Day One 9:00am – 4.30pm

Introduction and Induction
Course Objectives and Structure
Area classification, Gas groups, T Class, IP and Impact Ratings
BREAK
Markings, Identification, Certification and Standards
LUNCH
Protection methods in detail

Day Two 9:00am – 4.30pm

Protection methods continued
BREAK
Continue
LUNCH
Practical work, permits, isolations, inspection, testing and maintenance
Types Ex 'd' Ex 'e' Ex 'n'

Day Three 9:00am – 4.30pm

Practical work, permits, isolations, installation and testing
Exia and Exib
Intrinsically safe type apparatus
BREAK
I/S Practical work, inspection, testing and maintenance
LUNCH
I/S Practical work, course review

Day Four 8:30am – 4:30pm

Installation assessment test EX01 (8:30am – 12:30pm)
LUNCH
Inspection assessment test EX02 (1:15pm – 2:45pm) & EX04 (3:15pm – 4:30pm)

Day Five 8.30am – 2.30pm

Installation assessment test EX03 (8:30am – 12:00pm)
LUNCH
Multi-choice question paper exam (1:00pm – 2:30pm)
FINISH