



Fact Sheet No.11

CompEx Module Ex 11 (Mechanical)

Course Duration

3 days

Location

ExVeritas Training Centre (Wrexham, UK) or ExVeritas/Jones Engineering Services Training Centre in Little Island, Cork or Client Site/ Hotel Conference Suite or other similar location At facilities other than ExVeritas Training Centre or Jones Engineering Services Training Centre, the minimum number of candidates will be eight.

Examined

Yes

Certificate issue

Yes

Target Audience

Mechanical Trades Personnel.

Course Overview

ATEX (DSEAR) requires users to identify all possible ignition sources that could arise in hazardous areas. The identification of these ignition sources includes non-electrical (mechanical) items of equipment (in addition to electrical equipment covered by Ex01-04). The safety measures for non-electrical equipment used in hazardous areas not only include the design (and possible certification) of equipment but also the aspects required for safe selection, installation, maintenance, inspection and repair. CompEx Ex11 meets the competency requirements for ATEX mechanical equipment and the soon to be introduced IEC (International) non-electrical standards.

Course delivery and all assessment material are currently in English.

Course Content

- Overview of Explosive Atmosphere and coding systems (full CompEx Foundation)
- Requirements for ATEX and IECEx non-electrical equipment and assemblies
- EN1127-1 and identifying ignition hazards
- Failure examples for ATEX and IECEx Non-Electrical
- Performing ignition risk assessments (worked examples)
- Standards (BS EN 13463 series) and concepts Ex d, p, c, k, b
- ISO 80079-36/37 overview and the relationship with IEC60079-0 (Ex h)
- Practical inspection and safety test on non-electrical equipment

Explosive Atmospheres

Definition of the three groups associated with gases vapours and mists and combustible dusts, surface temperatures, temperature classes, density of gases and vapours, flammable range and explosive range. Ambient temperatures etc

Videos

There are a number of video's that will be shown to support the course objectives.

Assessments

Candidates are required to undertake a practical assessment. A time limit is set against the assessment as this is designed to simulate the pressures that can be encountered in the work place. In addition to the above practical assessment a candidate's knowledge is assessed by undertaking a multi-choice examination. On completion of the course certification will be awarded based on candidates passing both the practical and theoretical parts of the assessments.

Candidate Pre-Qualifications

It is a pre-requisite requirement of the course that candidates are able to demonstrate their underpinning knowledge and training as a craftsperson. Candidates outside of the UK attending a course are encouraged to start some form of dialogue with ExVeritas/Jones Engineering Services as early as possible in order to ensure that their local, national or company scheme meets the criteria set by CompEx. To aid in this process CompEx have introduced a letter of endorsement (Employees/Sponsorship letter) that must be completed and signed by the employer.



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