



Australian Government

Assessment Requirements for UEEHA0006 Maintain equipment associated with hazardous areas

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology Training Package.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions on at least two separate occasions and include:

- preparing to undertake maintenance of electrical equipment associated with explosive atmospheres, including:
 - reviewing safe work methods associated with the classified area in which the work is to be carried out
 - ascertaining the area classification and details of equipment from documentation held in the verification dossier
 - reviewing inspection records to determine the extent of remedial maintenance
 - evaluating the extent of breakdown maintenance in consultation with reporting personnel
 - consulting with technical personnel to determine the limits of maintenance and repair that can be carried out in situ
 - checking the safety of compliant tools, equipment and testing devices required to carry out the inspection
- maintaining electrical equipment associated with explosive atmospheres as specified in the inspection records, including:
 - following safe work methods relating the work, including isolation of equipment
 - adjusting and repairing equipment within the limits permitted by the equipment certification regulations and in accordance with manufacturer's instructions
 - using replacement parts permitted by the equipment certification, regulations and manufacturer's instructions
 - isolating and terminating circuits of equipment withdrawn from service in accordance with applicable standards
 - examining flexible cables and cords and removing them from service if not in immediate use or if showing defections
 - maintaining spare equipment flexible cable and cords and storing them to prevent deterioration or damage
- completing maintenance work inspections and documentation, including:
 - arranging for inspection of the maintenance work
 - rectifying maintenance defects (non-conformances) found by the maintenance work

inspection

- recording safety assessments undertaken for isolation equipment during maintenance
- completing maintenance work, documenting the work and forwarding the documentation for inclusion in the verification dossier.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions and include knowledge of:

- safe work procedures for explosive atmospheres including:
 - work health and safety (WHS)/occupational health and safety (OHS) procedures for working in hazardous areas
 - permit to work systems that cover the hazardous aspects of specific work and locations
- requirements and limitations of remedial maintenance, including:
 - scheduled maintenance specified in inspection records for particular items of equipment
 - limits of maintenance in response to a breakdown
 - isolation and termination of circuits of equipment being withdrawn from service
 - compliance standards, equipment certification and manufacturer's instructions regarding use, maintenance and repair of explosion-protected equipment.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions and include:

- an area designated as a hazardous area which is a close facsimile of a real work environment
- an area entry point
- delineation of the area into zones for both gas and dust
- a person to act as the 'authorised person' for the site
- a qualified supervisor.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or other simulations
- relevant and appropriate access equipment, explosive atmosphere equipment, tools and

testing devices permitted in a hazardous area, materials and personal protective equipment (PPE) currently used in industry

- applicable documentation, including workplace procedures, safe work methods, explosive atmosphere installation and inspection standards, industry standards, equipment specifications, regulations, codes of practice and operation manuals
- verification dossier for the site, including:
 - design documentation
 - area classification drawings
 - certification documents for each item of equipment
 - inspection records
 - maintenance records
- clearance-to-work permit in particular locations and situations.

Links

Companion Volume implementation guides are found in VETNet - -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>