



Australian Government

Assessment Requirements for UEEHA0016

Assess the fitness-for-purpose of explosion-protected equipment

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the 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 and performance criteria on at least two separate occasions and include:

- preparing to assess fitness-for-purpose of equipment and systems including:
 - obtaining and reviewing WHS policies and safe work methods.
 - obtaining design documentation for the equipment or systems to be assessed from site records or the manufacturer and verifying their authenticity with issuing organization or assessor
 - obtaining the standards and codes of practice against which the equipment or system are to be assessed
 - arranging for the equipment or system specifications and normal operating parameters to be established, given design documentation is not available
 - obtaining required tools and certified measuring and testing devices and checking them for correct operation and safety
- gathering technical information to assess equipment and systems including:
 - accepting and following safe work methods
 - carrying out measuring and testing to verify equipment or system specifications and parameters
 - gathering all data relevant to the specification to assess and verify the equipment or system according to the applicable standards and codes of practice
- assessing equipment/systems against standards including:
 - assessing equipment or system details, including calculations, measurements, test results and design specifications, for compliance with each relevant clause in the applicable standard
 - identifying and documenting differences between the equipment or system assessment and standards requirements
 - developing a recommendation as to whether remedial work is viable for equipment or systems that are not initially assessed as fit-for-purpose
 - developing specifications, as a recommendation, for the remediation of equipment or systems to be suitable as fit-for-purpose
- developing and submitting a fit-for-purpose report including:

- documenting a fit-for-purpose report that includes assessment results concerning explosion-protection integrity of the equipment or system, the processes taken and justification for the outcomes
- forwarding the fit-for-purpose report and all appended documents to the person responsible for maintaining compliance records.

Knowledge Evidence

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

- standards and codes of practice including:
 - compliance requirements in standards/codes applicable to the equipment or system at the time of installation
 - compliance requirements in current standards applicable to the equipment or system
 - means of accessing older and redundant standards and design documentation
- explosion-protected equipment and systems including:
 - explosion-protection aspects specified in current and redundant standards
 - equipment or system specifications and parameters relevant to the assessment
 - scope for developing a specification given design documentation is unavailable
- measurement and testing including:
 - measurements and tests specified in standards
 - alternate 'equivalent' tests or calculations
 - measuring and testing procedures including:
 - calibration and certification of required devices
 - safe work methods
 - availability and use of third party testing facilities
- assessment process including:
 - data and information required
 - comparing information gathered with requirement in standards
 - limits of remedial work
 - content of a fit-for-purpose report.

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.

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 tools and testing devices and PPE currently used in industry
- safe work methods
- compliance records (verification dossier) for the site.
- equipment subject to the assessment:
 - single items
 - packaged equipment
- certification documentation and related hazardous area compliance standards for which the certification was granted
- standards against which compliance is sought
- relevant measurement and testing equipment or facility.

Links

Companion Volume Implementation Guides are found in VETNet -

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