



Australian Government

Assessment Requirements for UEEHA0019 Conduct a conformity assessment review 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 conduct conformity assessment including:
 - determining the criteria by which equipment is to be assessed from its original certification documentation
 - reviewing requirements in the standards against which conformity is to be assessed for certification
 - obtaining equipment details to assess relevance of Clauses in standards against which conformity is to be assessed
 - following safety procedures for inspecting equipment subject to the assessment that is in situ
- conducting conformity assessment including:
 - carrying out assessment in accordance with WHS/OHS and other required procedures
 - comparing certification criteria against those for a given country/region
 - addressing all information in the equipment certification documents including conditions for use
 - identifying the differences between the equipment certification and that required for a given country/region and recording actions needed to address these
- documenting and submitting conformity assessment report including:
 - documenting conformity assessment report including:
 - whether the equipment provides an ‘equivalent level of safety’ to be installed, maintained, overhauled/repaired and used safely in a hazardous area; or
 - recommendations for remedial actions to correct non-compliance issues
 - providing conformity assessment documentation to the appropriate person.

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:

- explosion-protected equipment certification including:
 - certification requirements and the applicable standards which may be used for certification of equipment acceptable for use in relevant regions of the world which may:
 - Australia and New Zealand
 - European Union countries
 - USA
 - Canada
 - Asian countries
 - Latin American countries
 - South American countries
 - South Africa
 - other aspects of electrical equipment compliance that may affect Ex certification
- common and different aspects of hazardous areas and explosion-protection equipment specified in compliance requirements for different countries/regions including:
 - classification of zones and divisions
 - equipment group and class
 - explosion -protection concepts
 - temperature classifications
 - equipment classification and protection levels
 - enclosure ingress protection/type rating
 - equipment marking
- common and different aspects of hazardous areas installation specified in compliance requirements for different countries/regions including:
 - installation practices
 - inspection and maintenance
 - overhaul, repair and reclamation
 - equipment modification
 - certification processes and requirements for validation of certification documents and manufacturing quality controls.

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
- applicable documentation including:
- WHS/OHS policy and procedures for the site
- explosive-protected equipment to be assessed (single items and package explosion-protected equipment)
- equipment certification documents
- Standards to which equipment was certified
- Standards and processes against which equipment certification is to be assessed.

Links

Companion Volume Implementation Guides are found in VETNet -

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