



Australian Government

Assessment Requirements for UEECD0052 Use routine equipment/plant/technologies in an energy sector environment

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 and performance criteria on at least two separate occasions and include:

- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - applying risk control measures
- following workplace procedures and instruction
- applying sustainable energy principles and practices
- completing workplace documentation
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- maintaining a clean worksite and equipment
- preparing and using equipment, plant and technologies, including:
 - completing schedule of work
 - using and returning tools, equipment, personnel protective equipment, surplus resources and materials
 - updating work records.
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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:

- electrical concepts, including:
 - electrical supply and distribution within a building or premises
 - arrangement of circuits
 - protection for safety requirements and their practice
 - difference between alternating current (a.c.) and direct current (d.c.)
 - measurement and calculation of voltage, current, resistance and power in practical circuits
 - concepts and applications of magnetism and electromagnetic induction

- transformer operating principles and their application
- hazards associated with electrical systems and apparatus
- energy sector tools, equipment and technology
- relevant energy sector industry standards
- relevant manufacturer specifications
- operating instruction for tools, equipment and technologies
- relevant job safety assessments or risk mitigation processes
- relevant sustainable energy practices
- relevant WHS/ OHS legislated requirements
- relevant workplace documentation
- relevant workplace policies, procedures and instructions.

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 suitable workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated suitable 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 simulations
- relevant and appropriate materials, tools, facilities, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation, including workplace procedures, equipment specifications, regulations, relevant industry standards, codes of practice and operation manuals.

Links

Companion Volume implementation guides are found in VETNet - -

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