



Australian Government

Assessment Requirements for UEECD0033 Produce products for carrying out energy sector work activities

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 energy sector industry standards
- applying quality, workplace procedures and instructions
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements: including using risk control measures
- applying sustainable energy practices
- completing schedule of work
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- preparing and producing energy sector products, including:
 - obtaining and checking tools and equipment
 - updating work records
 - using and returning tools, equipment, personal protective equipment (PPE), surplus resources and materials
 - using relevant hand, fixed and portable tools.

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:

- basic technical drawing conventions and symbols
- freehand technical sketching techniques
- hand tools for cutting, shaping, drilling, threading, tapping, and finishing metallic and non-metallic components, including:
 - types of tools and their purpose
 - techniques for the correct and safe use of these tools
 - hazards associated with their use
 - care and maintenance of hand tools

- tools for measuring and marking out, including:
 - types of tools and their purpose
 - techniques for the correct and safe use of these tools
 - hazards associated with their use
 - care and maintenance of hand tools
- tools for dismantling and assembling electrical and electronic components, including:
 - types of tools and their purpose
 - techniques for the correct and safe use of these tools
 - hazards associated with their use
 - care and maintenance of hand tools
- fixed power tools for cutting, shaping, drilling, and finishing metallic and non-metallic components, including:
 - types of tools and their purpose
 - techniques for the correct and safe use of these tools
 - hazards associated with their use
 - care and maintenance of fixed power tools
- portable power tools for cutting, shaping, drilling, and structural components including:
 - types of tools and their purpose
 - techniques for the correct and safe use of these tools
 - hazards associated with their use
 - care and maintenance of fixed power tools
 - requirements for use on construction sites
- purpose of sequencing dismantling and assembling
- importance of marking/labelling and storing parts
- techniques for dismantling and assembling close fitting parts
- use of gasket and seals
- hazards associated with welding activities and equipment
- welding processes and industry applications
- thermal cutting techniques
- manual metal arc welding processes
- problem-solving techniques
- relevant energy sector industry standards
- relevant job safety assessments or risk mitigation processes
- relevant manufacturer specifications and operating instructions for tools and equipment
- relevant quality workplace procedures
- relevant sustainable energy practices
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace policies, procedures and instructions, including quality workplace procedures.

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 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>