



Australian Government

Assessment Requirements for UEECD0058 Observe safety practices are followed in the vicinity of isolated electrical cables

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 one occasion and include:

- reading instructions and understanding the nature of the work to be undertaken
- understanding the location of electrical cables in the vicinity of the work to be undertaken
- receiving, reading and understanding access permits
- reviewing and understanding safe working methods for the plant, machinery and equipment to be used
- observing work activities ensuring safe working methods are followed
- dealing with previously unidentified hazards in accordance with established procedures
- monitoring risk mitigation methods for continuous improvement in accordance with established procedures
- documenting safe working practices and any corrective actions in accordance with established procedures
- dealing effectively with unplanned events
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including taking actions to mitigate risk
- implementing risk control measures
- observing safety practices are followed around isolated electrical cables
- preparing and observing safety practices.

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:

- safety practices - working safely around electrical cables and infrastructure, including:
 - effects of electric shock on the human body encompassing:
 - shock currents
 - burns
 - risks of low voltage (LV), high voltage (HV) and high currents

- risk management and assessment of risk encompassing:
 - principle and purpose of risk management
 - processes for conducting a risk assessment
- hazards associated with electrical cables/conductors encompassing:
 - electrical supply arrangements for isolation of circuits
 - supply connected
 - capacitance charge on cables isolated from supply
- consequences of damaged cables/conductors encompassing:
 - accelerated deterioration of insulated cables, including damage to enclosures, serving, armours, sheathing and insulation without exposure of the conductors
 - damage of exposing conductors with the likelihood of dangerous step voltage and touch voltage
 - how a short circuit occurs and the resulting potential damage they cause
- risks and control measures associated with work in the vicinity of electrical cables and infrastructure
- the main features and purpose of an access permit system
- electrical isolation and types of permits issued for work in the vicinity of isolated cables
- scope of work permitted on an access permit
- safety observation procedures
- relevant industry standards for electrical isolation
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace policies and 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 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 materials, tools, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation, including workplace procedures, equipment specifications,

regulations, 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>