



Australian Government

Assessment Requirements for UETTDREL17 Operate asset inspection machinery and equipment near live electrical apparatus

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Modification History

Release 1. This is the first release of this unit of competency in the UET Transmission, Distribution and Rail Sector 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 the use of risk control measures
- applying sustainable energy principles and practices
- confirming operational knowledge associated with the operation of control machinery and equipment near live electrical apparatus in all of the following:
 - recognition of aerial voltage systems
 - identification of low voltage (LV) aerial circuits
 - identification of high voltage (HV) aerial circuits
 - safe approach distance so defined by relevant authorities
 - use of technical standards, acts, regulations, codes /guidelines and established/enterprise/asset owner's procedures
 - system control – information required and functions
 - vicinity permit – information required and functions
 - confirm environmental principals and procedures
- confirming safe practices associated with the operation of control machinery and equipment near live electrical apparatus in all of the following:
 - WHS/OHS safety practices and procedures
 - electric shock and resuscitation
 - events constituting an incident
 - procedures in the event of an incident
 - methods of identifying hazards
 - risk assessment procedures
 - selection of the best position for monitoring and controlling work
 - constant analysis
 - decision making relevant to the safety of the work, taking into account prevailing site conditions (lay of the land) and on-going weather conditions

- confirming the safe operation of machinery and equipment in varying conditions and weather near live electrical apparatus and undertaking pre- and post-operational checks and inspections in at least four (4) of the following:
 - chain saws
 - brush cutters
 - power pruners
 - powered drills
 - *augers
 - air compressors
 - generators
 - jack hammers
 - demolition saws
 - measuring devices
 - extendable mounted cameras
 - (* must do)
- dealing with unplanned events on at least one (1) occasion.

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:

- assets inspection safety requirements, including:
 - the legal requirements covering WHS/OHS in the workplace
 - requirements for personal safety in the workplace
 - standards, codes, legislation, supply authority regulations and/or enterprise requirements associated with safe use of enterprise vehicles
 - working safely with electrical tools and equipment near electrical apparatus
 - identification of hazards and risks associated with working on or near live electrical apparatus
 - use and application of personal protective equipment (PPE)
 - safe work practices and procedures
- asset inspection machinery and equipment, including:
 - reading and following information on standard operating procedures (SOPs)
 - following verbal instructions
 - selecting machinery and equipment appropriate to the task
 - identifying machinery and equipment defects
 - maintaining machinery and equipment using appropriate techniques
 - safe use of enterprise vehicles
 - operation of machinery and equipment - pre-operational checks, safe use of machinery and equipment, safe transporting and storage procedures according to manufacturer requirements/standard operating procedures

- adjustments/alignments to a range of machinery and equipment
- common faults and/or defects found in a range of machinery and equipment
- procedures for marking unsafe or faulty machinery and equipment for repair
- procedures for the safe use of hand and power tools
- routine maintenance requirements of a range of machinery, equipment and hand and power tools
- storage location and procedures for a range of machinery and equipment
- hazards/control measures associated with the use of a range machinery and equipment.

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 conditions involving realistic and authentic activities that replicate operational 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 PPE currently used in industry
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

UET Training Package Companion Volume Implementation Guide is found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=229bace1-b7bc-4653-9300-dffb13ecfad7>