



Australian Government

Assessment Requirements for UETTDREL12 Operate plant and equipment near live electrical conductors and 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
- using at least four (4) of the following support equipment:
 - portable generators
 - chain saws
 - concrete cutters
 - jack hammers
 - welders
 - compressor
 - crimper-cutters
 - pumps
 - post hole diggers
 - drills
 - friction grip winches
 - pullers
 - block and tackle
- using at least one (1) of the following support equipment:
 - elevated work platform (EWP)
 - back hoes
 - self-loading vehicle
 - borer
 - bobcat
 - trench excavators
 - heavy vehicles
- 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:

- safety precautions, requirements and responsibilities
- selection and use of appropriate personal protective equipment (PPE)
- chain saw operation, including:
 - parts and function of components and ancillary equipment
 - pre-operational checks
 - starting procedures
 - safe use of chain saw under load
 - safe transporting and storage procedures
- standards, codes, legislation, supply authority regulations and/or enterprise requirements associated with (EWP, including relevant certification and licensing, including:
 - safe working clearances
 - safe operation procedures and the mandatory wearing of harness/attachment requirements
 - safety observers
 - inspection and testing procedures prior to use
 - set-up, operation and shutdown procedures for an EWP
- emergency procedures for an EWP, including:
 - escape procedures for an EWP
 - rescuing procedures
 - mechanical failure procedures
- types of EWP - insulated/uninsulated
- standards, codes, legislation, supply authority regulations and/or enterprise requirements associated with safe use of enterprise vehicles, including relevant certification and licensing such as:
 - motor cars
 - light and heavy commercial trucks
 - heavy truck/trailer combination
 - four-wheel drive vehicles
- compliance with regulations associated with the securing of loads prior for transportation
- standards, codes, legislation, supply authority regulations and/or enterprise requirements associated with portable hydraulic equipment and portable pneumatic equipment, including relevant certification and licensing, including:
 - safe working clearances
 - safe operation procedures
 - safety observers
 - inspection and testing procedures prior to use
 - set-up, operation and shutdown procedures
- permit to work systems and isolation procedures

- standards, codes, legislation, supply authority regulations and/or enterprise requirements associated with rigging, including the operation of cranes, hoists and winches and relevant certification and licensing (if required)
- requirements for the use of enterprise construction manuals, system diagrams/plans and drawings
- safe use of rigging equipment, tools and associated equipment, including:
 - types, techniques and application
 - site inspection procedures
 - identifying hazards, assessing and controlling risks
 - appropriate sequence of loading and unloading
- determining the mass and dimensions of load
- selection and inspection procedures, including:
 - rigging equipment, materials and tools, such as:
 - natural and synthetic fibre ropes and chains, fittings, winch and capstan
 - ratings of wire ropes and slings
 - removing, repairing and replacing of damaged parts
- techniques for assembling and erecting power winches and capstans
- checking the integrity of support structure, and visual inspection of load connections
- techniques in moving, lifting, shifting, managing and placing loads, including:
 - use of appropriate communication and signalling methods
 - codes of practice/compliance
 - enterprise and Commonwealth/state/territory legislative requirements
 - weather conditions
 - erection of safety nets and lines
 - methods of fixing and anchoring loads
 - load stability.

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, facilities, equipment and PPE currently used in industry for operating plant and equipment near live electrical conductors and apparatus
- applicable documentation, including workplace procedures, relevant industry standards, 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>