



**Australian Government**

**Assessment Requirements for  
UETTD RTP22 Establish and reinstate a  
power systems transmission structure work  
site**

# **Assessment Requirements for UETTD RTP22 Establish and reinstate a power systems transmission structure work site**

## **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 plans, drawings, maps/work schedules to define work to be completed, indicating WHS/OHS and environmental issues/hazards
- verifying qualifications to operate machinery and perform machinery daily log checks
- submitting Dial Before You dig application forms
- verifying understanding of material safety data sheets (MSDS) and work permits
- undertaking appropriate traffic control management
- verifying an understanding of working safely with hazardous materials and equipment, safe manual handling techniques and correct use of personal protective equipment (PPE)
- operating safely at least five (5) of the following types of equipment/tools:
  - small generator sets
  - welding units
  - air compressors and hoses
  - pneumatic and/or electric hammers
  - rollers and compactors
  - concrete and ceramic cutters
  - pumps
  - post hole diggers
  - drills
- operating at least one (1) of the following pieces of equipment:
  - back hoes
  - earth drilling rigs
  - 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:

- hand tools and their use encompassing:
  - hand tools for cutting, shaping, drilling, threading, tapping and finishing metallic and non-metallic components - types of tools and their purpose, techniques for the correct and safe use of these tools, hazards associated with their use, and care and maintenance of hand tools
  - tools for measuring and marking out - types of tools and their purpose, techniques for the correct and safe use of these tools, hazards associated with their use, and care and maintenance of hand tools
  - tools for dismantling and assembling electrical and electronic components - types of tools and their purpose, techniques for the correct and safe use of these tools, hazards associated with their use, and care and maintenance of hand tools
- fixed and portable tools and their use encompassing:
  - fixed power tools for cutting, shaping, drilling and finishing metallic and non-metallic components - types of tools and their purpose, techniques for the correct and safe use of these tools, hazards associated with their use, and care and maintenance of fixed power tools
  - portable power tools for cutting, shaping, drilling and structural components - 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, and requirements for use on construction sites
- materials properties encompassing:
  - identification and classification of engineering materials material properties
  - types and applications - properties of tensile strength; effects of temperature on the expansion of metals; ductility, malleability, work hardening and annealing; and the conditions that lead to corrosion and the properties of timbers
- requirements for the use of enterprise vehicles, such as trucks and four-wheel drives encompassing:
  - 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 and four-wheel drive vehicles
  - compliance with regulations associated with the securing of loads prior for transportation
- requirements for the use of chainsaws, including relevant certification and licensing, encompassing:
  - safety precautions, requirements and responsibilities
  - selection and use of appropriate PPE
  - chainsaw operation - parts and function of components and ancillary equipment, pre-operational checks, starting procedures and safe use of chainsaw under load
  - safe transporting and storage 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 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>