



Australian Government

Assessment Requirements for UETDRDP11 Inspect overhead poles-structures and electrical apparatus

Release: 1

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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
- inspecting any three (3) of the following items on each occasion:
 - poles and structures
 - overhead conductors/cables
 - underground/overhead transition points
 - electrical equipment
 - hardware
 - earthing systems
- undertaking inspections using at least one (1) of the following:
 - ground
 - vehicle
 - helicopter
 - fixed wing
- undertaking inspections using at least two (2) of the following inspection methods:
 - visual*
 - infra-red camera
 - X-ray
 - camera
 - (*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:

- standards, codes, legislation, supply authority regulations and/or enterprise requirements
- characteristics of wood used for structures within the electrical distribution system encompassing:
 - relationship between timber and water
 - faults that occur that influence the integrity of the structure
 - effects of fungal activity
 - effects of termite and borer activity
 - effects of dry rot
- deterioration of assets encompassing:
 - relationship between steel, concrete and wood
 - deterioration in steel and concrete
 - inspection procedures for deterioration
- overhead line inspection procedures of electrical distribution structures encompassing:
 - methods and requirements for overhead line inspection on electrical distribution structures
 - clearances for overhead conductors, cables and structures
 - use of specific equipment during inspection
 - methods of recording data
- underground cable inspection procedures in the electrical distribution system encompassing:
 - state/territory and industry policies and regulations
 - methods and requirements for inspection of underground cable terminations.

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 personal protective equipment (PPE) currently used in industry for inspecting overhead poles-structures and electrical 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>