



Australian Government

Assessment Requirements for UETDRDP99 Test and verify distribution overhead installations

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
- using inspection methods, including at least two (2) of the following:
 - visual*
 - infra-red camera
 - X-Ray
 - camera
 - binoculars/telescope
 - (* must do)
- inspecting structures, including any one (1) of the following:
 - pyramid
 - delta pi
 - enterprise specific type
- installing associated hardware, including at least three (3) of the following:
 - insulators
 - clamps
 - bolts
 - conductor spacers
 - vibration dampers
 - structural components
- inspecting conductors, including at least one (1) of the following:
 - copper
 - aluminium
 - steel
 - aluminium/steel reinforced

- inspecting overhead installations from at least two (2) of the following:
 - elevated work platform (EWP)*
 - portable platform
 - gondola
 - hook ladder
 - elevated work box
 - (*must do)
- using specialist equipment, including all of the following:
 - voltage/de-energised indicating device
 - earthing conductors
- complying with all of the following:
 - reporting procedures
 - reporting outcomes.

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:

- legislated regulations, including:
 - legislation and regulations that require installations and equipment to be tested to ensure they are safe
 - the person/bodies responsible for the various aspects of ensuring distribution overhead installations are safe
 - results of tests that show a distribution overhead installation is safe for connection to the supply
 - results of periodic inspection and tests that show construction site wiring and equipment is safe to use
 - results of periodic inspection and tests that show the distribution overhead installations electrical equipment are safe to use
- testing installations, including:
 - distribution system phasing, phase rotation and polarity is correct and conforms to network construction standards
- documentation, including:
 - results of tests conducted on a distribution overhead installation in accordance with work requirements and ensure the distribution overhead installation is safe
 - documents of periodic inspection and testing of distribution overhead installation and equipment in accordance with requirement
 - non-compliances and defects reported in accordance with established 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, facilities, equipment and personal protective equipment (PPE) currently used in industry for testing and verifying distribution overhead installations
- 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>