



Australian Government

**Assessment Requirements for
UETDRRC004 Install and replace energy
meters and associated equipment in a very
remote community**

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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 Release 2.0.

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 legislation, regulations, standards, codes of practice and organisational workplace requirements, including:
 - work health and safety (WHS)/occupational health and safety (OHS)
- identifying hazards, assessing risks, identifying, applying and monitoring control measures
- obtaining, inspecting and using relevant personal protective equipment (PPE)
- preparing to enter the workplace including the use of work permits, clearances and isolation permissions
- confirming electrical network circuits have been isolated and earthed/short circuited in accordance with work plan and workplace requirements
- installing or replacing at least one (1) of the following whole current energy meters:
 - induction disk energy meter
 - electronic energy meter
 - electronic summator
- installing at least two (2) of the following associated metering equipment:
 - service fuses
 - service links
 - meter panels
 - controlled output meters
- re-energising electrical network circuits in accordance with workplace requirements
- completing at least three (3) of the following tests of whole current energy meters:
 - polarity*
 - continuity
 - insulation resistance
 - meter functionality (load)
 - neutral integrity
 - phase sequence (rotation)

- voltage
- (*must do)
- working from at least one (1) of the following:
 - elevated work platform (EWP)
 - platform
 - ladder
- dealing with an unplanned event on at least one (1) occasion
- completing relevant work records, reporting and documentation.

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:

- legislation, regulations, standards, codes of practice and organisational workplace requirements, including:
 - WHS/OHS
- hazard, risk assessment and risk control requirements, including potential hazards
- types and application of PPE
- safe use of plant, tools and equipment
- application, purpose and types of permits
- whole current energy meters, including:
 - construction
 - operation
 - error codes
- associated metering equipment, including:
 - construction
 - operation
- metering arrangements, including:
 - direct
 - distributed master
 - multiple master
 - plug-in
 - multiple earth neutral (MEN) system
- cable types and applications
- installation tools, equipment and testing devices
- installation and removal of energy meters, including:
 - stripping cable
 - cable terminations
 - meter wiring positions
 - service protection device (SPD)

- meter boards
- testing procedures, including:
 - continuity
 - insulation resistance
 - polarity
 - phase sequence
 - neutral integrity
 - meter functionality
- procedures for recording energy meter documentation
- customer education on energy meters
- techniques for the maintenance of energy metering, including:
 - fault finding
 - fault rectification
 - meter reading
 - tariff changes
- events constituting an unplanned event or incident
- procedures for responding to an unplanned event or incident.

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:

- relevant and appropriate materials, tools, facilities, equipment and PPE currently used in industry for installing and replacing whole current energy meters and associated equipment in a very remote community
- applicable documentation, including workplace requirements, relevant industry standards, equipment specifications, regulations, codes of practice and operation manuals.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=229bace1-b7bc-4653-9300-dffb13ecfad7>

