



Australian Government

Assessment Requirements for UETDRIS014

Install and replace energy meters and associated equipment

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 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)
- installing whole current energy meters
- reading, testing and replacing whole current energy meters
- installing associated metering equipment
- replacing associated metering equipment
- energising and testing of whole current energy meters and associated equipment
- dealing with an unplanned event on at least one (1) occasion
- completing relevant work records, reports 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:

- relevant legislation, regulations, standards, codes of practice and organisational workplace requirements, including:
 - WHS/OHS
 - energy meters and associated equipment
- hazard, risk assessment and risk control requirements, including potential hazards
- types and application of PPE
- safe use of tools and equipment
- events constituting an unplanned event or incident
- procedures for responding to an unplanned event or incident
- construction, operation and selection of whole current energy meters

- construction, operation and selection of associated metering equipment
- metering arrangements, including direct, distributed master, multiple master, plug-in and multiple earth neutral (MEN) system
- cable types and applications
- installation and replacement of energy meters, including:
 - stripping cable
 - cable terminations
 - meter wiring positions
 - service protection device (SPD)
 - meter boards
- testing procedures, including:
 - voltage
 - continuity
 - insulation resistance
 - polarity
 - phase sequence
 - neutral integrity
 - meter functionality
- procedures for recording energy meter documentation
- techniques for the maintenance of energy metering, including fault finding, fault rectification, meter reading and tariff changes.

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 energy meters and associated equipment
- 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>