



Australian Government

**Assessment Requirements for
UETDREL003 Identify and apply controls
for alternate supplies on the distribution
network**

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Modification History

Release 2. Amended Competency Field

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 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)
- identifying potential alternate supplies
- identifying control measures to manage alternate supplies
- implementing at least two (2) of the following control measures for alternate supplies:
 - isolation points, including using tags and locks in accordance with workplace requirements
 - short circuiting and earthing
 - bonding
 - low voltage (LV) short circuited
- monitoring control measures for alternate supplies to manage two-way power flow
- dealing with an unplanned event on at least one (1) occasion
- obtaining and signing on and off relevant work permits in accordance with workplace requirements
- 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 workplace requirements, including:
 - WHS/OHS

- hazard, risk assessment and risk control requirements, including:
 - potential hazards, including:
 - alternating current (a.c.) and direct current (d.c.)
 - installation multiple earthed neutral (MEN) location changes in stand-alone mode
 - residual charge in electronic devices, e.g., capacitors in inverters
 - potential rise and currents on neutral
 - potential backfeed hazards from:
 - faulty equipment
 - incorrectly installed equipment
- types and application of PPE
- test equipment
- concept, application and operation of alternate supplies, including:
 - anti-islanding control and protection
 - system monitoring and load management
- identification of alternate supplies from:
 - signage
 - visual
 - registers
- alternate supplies, including:
 - photovoltaic (PV) systems
 - battery systems
- awareness of known and unknown alternate supplies, including:
 - generation sources
 - storage sources
- impacts of two-way power flow connected to the grid
- control measures for alternate supplies, including:
 - isolation points, including tags and locks, in accordance with workplace requirements
 - short circuiting and earthing
 - bonding
 - LV short circuited
- application, purpose and types of permits
- events constituting an unplanned event or incident
- procedures for responding to an unplanned event or incident
- procedures for workplace records, reports and documentation.

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, equipment and PPE currently used in industry
- applicable documentation, including workplace requirements, relevant industry standards, 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>