



Australian Government

**Assessment Requirements for
UETDRRC006 Perform low voltage
electricity network switching in a very
remote community**

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:
 - relevant 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)
- obtaining and signing on and off relevant work permits in accordance with workplace requirements
- preparing a low voltage (LV) electricity network switching schedule in accordance with workplace requirements
- obtaining authorisation to perform LV electricity network switching
- isolating and restoring LV electricity networks in accordance with switching schedule requirements
- undertaking tests of LV electricity network, including:
 - voltage
 - phase sequence (rotation)
 - polarity
- operating LV switchgear, including at least one (1) of the following:
 - LV circuit breaker
 - LV links
 - LV fuses
- working from at least one (1) of the following:
 - elevated work platform (EWP)
 - ladder
- 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
- 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
- requirements for the use of manuals, system diagrams/plans and drawings, including:
 - types, characteristics and capabilities of electrical apparatus
 - use, characteristics and capabilities of specialised tools and testing equipment
 - restrictions pertaining to LV switching equipment
 - high voltage (HV) network interconnectors source of possible back-feed
- LV switchgear, including:
 - types
 - categories
 - application
 - function
 - operating capabilities
- types, characteristics and capabilities of LV specialised switching and testing equipment
- procedures for obtaining correct LV switching authorisation, including:
 - identification of hazards, assessing and controlling risks
 - safety procedures and precautions
 - safe approach distances
 - responsibilities and protocols
 - identifying switching resources
 - procedures for obtaining electrical access permits/authorities
 - requirements for team switching
 - procedures for coordination of operations
- techniques for overhead and underground LV electricity network switching, including:
 - isolation procedures
 - testing and earthing/short circuiting LV electrical apparatus
 - pre-switching checks
 - switching operational procedures
 - emergency fault procedures
 - restoration procedures
- role and responsibilities of the LV switching operator

- application, function and operating capabilities of switchgear
- preparation of a LV switching schedule, including:
 - legislation, standards, codes, supply authority regulations and/or enterprise requirements applicable to switching sheet schedules
 - requirements for the use of manuals, system diagrams/plans and drawings - types, characteristics and capabilities of LV electrical equipment to be switched; isolation points and earthing; and responsibilities of the switching operator
 - techniques in writing switching schedules - sequence of switching operations, isolation procedures, earthing procedures and switching completion notification procedures
- 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 performing LV electricity network switching 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>