



Australian Government

**Assessment Requirements for
UETTDRIS43 Perform low voltage field
switching operation to a given schedule**

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
- performing low voltage (LV) field switching operation to a given schedule using all of the following:
 - approvals/clearances
 - access authority/permits
- using at least two (2) of the following:
 - voltage detectors
 - polarity testers
 - phase rotation indicators
- using at least one (1) of the following:
 - LV links
 - LV bridges
 - LV fuses
- dealing with unplanned events on at least one (1) occasion.

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, standards, codes, supply authority regulations and/or enterprise requirements applicable to system switching
- 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
 - LV network interconnectors for alternate sources of supply and possible back-feed

- procedures for obtaining correct LV switching authorisation, including:
 - identification of hazards, assessing and controlling risks
 - safety procedures and precautions
 - safe approach distances (SAD)
 - responsibilities and protocols
 - identifying switching resources
 - procedures for obtaining electrical access permits/authorities
 - requirements for team switching
 - procedures for coordination of operations
- techniques in LV system switching, including:
 - isolation procedures and proving dead
 - pre-switching checks
 - switching operational procedures
 - emergency fault procedures
 - energisation 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 performing low voltage field switching operation to a given schedule
- 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>