



Australian Government

**Assessment Requirements for
UETDRSO008 Manage power systems
network faults**

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 work health and safety (WHS)/occupational health and safety (OHS) requirements, including the use of risk control measures
- applying sustainable energy principles and practices
- managing a network fault, including all of the following:
 - identifying a network fault by interpreting available alarms and event data
 - developing a plan to enable management of a network fault
 - implementing plans in order that the network be restored after a fault has occurred
 - effectively liaising with operating authorities and field crews to restore the network after a fault has occurred
 - documenting/debriefing actions upon restoration of the network
- 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:

- enterprise-specific procedures and work practices relating to fault restorations encompassing:
 - Commonwealth/state/territory and local government legislation, supply authority regulations, standards, codes and/or enterprise requirements applicable to the procedures and work practices relating to fault restorations
 - requirements for the use of operational manuals, system diagrams/plans and drawings
 - identifying and interpreting enterprise operating procedures
 - techniques in the applying enterprise operating procedures
- use of fault information to analyse and develop optimal network restoration strategies encompassing:
 - Commonwealth/state/territory and local government legislation, supply authority regulations standards, codes and/or enterprise requirements applicable to the analysis of protection targeting

- requirements for the use of operational manuals, system diagrams/plans and drawings
- techniques in the collation of protection data
- techniques in the analysis and assessment of fault information – public, employee and protection equipment
- application methods of fault information to analyse and develop optimal network restoration strategies - public and employee safety, and enterprise reliability guidelines
- resource availability.

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
- applicable documentation, including workplace procedures, relevant industry standards, equipment specifications, regulations, codes of practice and operation manuals.
- relevant modelling tools, drawings, computerised electrical plant control and monitoring facilities

Links

Companion Volume Implementation Guides are found in VETNet -

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