



Australian Government

**Assessment Requirements for
UETDRTS036 Develop secondary
protection and control scheme isolation and
restoration documents**

Assessment Requirements for UETDRTS036 Develop secondary protection and control scheme isolation and restoration documents

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 4.0.

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 (2) separate occasions and include:

- determining the preparation required for the secondary isolation and restoration instructional documents including:
 - applicable workplace organisational procedures
 - testing procedures
 - tools, equipment, personal protective equipment (PPE) and work permits
 - relevant stakeholders
- establishing the purpose of the secondary isolation and restoration instructional documents
- developing secondary isolation and restoration instructional documents for at least two (2) of the following substation equipment:
 - bus protection
 - feeder/line protection
 - transformer protection
 - earth fault protection
 - backup protection
 - pilot wire/differential protection
- applying the following when developing secondary isolation and restoration instructional documents:
 - work tasks and sequence of isolation and restoration
 - hazard assessment and control measures
 - consideration of network stability
- notifying appropriate personnel of the completed secondary isolation and restoration instructional documents.

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:

- permit types and application for secondary equipment
- system diagrams/plans and drawings, manufacturer manuals
- electrical equipment fundamentals including:
 - safety precautions with regard to using electrical equipment
 - techniques in pre-use inspection on the serviceability of electrical equipment
 - techniques in the general maintenance, care and storage of electrical equipment
 - identifying hazards, assessing and controlling risks associated with the use of electrical equipment
- processes for developing secondary isolation and restoration instructional documents including:
 - secondary isolation and restoration principles
 - correct sequence of isolation and restoration
 - stakeholder engagement
 - adequate protection remains in service to provide plant protection
 - instruction preparation
 - network stability
 - remote control systems
- protection schemes including:
 - codes, supply authority regulations and organisational requirements
 - types of protection schemes, reasons for use, application of protection zones around system elements and degree of protection.

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:

- applicable documentation, including workplace requirements, supply authority regulations, codes 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>