



**Australian Government**

**Assessment Requirements for  
UETDRTS037 Maintain and calibrate  
protection relays and meters**

**Release: 1**

# Assessment Requirements for UETDRTS037 Maintain and calibrate protection relays and meters

## 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:

- identifying hazards, assessing risks, and identifying, applying and monitoring control measures
- determining the preparation required for the maintenance and calibration of protection relays and meters
- maintaining and calibrating four (4) of the following protection devices:
  - overcurrent
  - voltage regulating
  - current differential
  - impedance
  - feeder protection
  - phase comparison.

## 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:

- testing equipment, techniques and procedures
- electrical equipment associated with protection relays and meters, including:
  - types and applications
  - characteristics, capabilities and operating procedures
  - diagrams and operating manuals
  - maintenance and calibration.

## 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 tools, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation, including workplace requirements, relevant industry standards, equipment specifications, 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>