



Australian Government

Assessment Requirements for UETDRTS034 Commission and maintain voltage regulating equipment

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 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 commissioning and maintenance of voltage regulating equipment, including:
 - workplace organisational requirements
 - testing procedures and parameters
 - tools, equipment, personal protective equipment (PPE) and work permits
 - stakeholder liaison
- inspecting and using relevant tools, equipment and PPE
- establishing the purpose of the commissioning and maintenance of voltage regulating equipment
- testing and commissioning on two (2) occasions all of the following equipment:
 - voltage regulator
 - reactance control
 - master slave control.

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:

- voltage regulating equipment, including:
 - types and applications
 - characteristics and capabilities
 - diagrams and operation manuals
- testing techniques and procedures
- types and applications of test equipment
- operation, maintenance and commissioning procedures for voltage regulating equipment

- principles of:
 - voltage regulator on-load tap changers (OLTC)
 - synchronous condensers
 - voltage control techniques and devices.

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 PPE currently used in industry
- 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>