



Australian Government

Assessment Requirements for UETDRDS027 Investigate quality of supply issues

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:

- applying relevant legislation, regulations, standards, codes of practice and organisational workplace requirements including:
 - work health and safety (WHS)/occupational health and safety (OHS) requirements
- identifying hazards, assessing risks, and identifying, applying and monitoring control measures
- inspecting and using personal protective equipment (PPE) for site inspection
- dealing with an unplanned event on at least one (1) occasion
- performing at least one (1) site inspection
- obtaining work permits in accordance with workplace requirements
- completing relevant work records, reports and documentation
- investigating two (2) quality of supply issues for at least three (3) of the following events:
 - electromagnetic interference
 - voltage irregularities
 - unbalanced loads
 - harmonics
 - power factor.

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:

- relevant legislation, regulations, standards, codes of practice and organisational workplace requirements, including WHS/OHS requirements
- hazard, risk assessment and risk control requirements, including potential hazards
- safe use of plant, tools and equipment
- inspection and use of PPE for site inspection
- application, purpose and types of permits

- events constituting an unplanned event or incident
- procedures for responding to an unplanned event or incident
- workplace records, reports and documentation
- power quality issues, including:
 - electromagnetic interference
 - voltage irregularities
 - unbalanced loads
 - harmonics
 - power factor
- testing and field equipment, including:
 - types, construction and function
 - calibration
 - care and maintenance
- measurement of power quality parameters
- typical solutions to quality of supply issues.

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 materials, tools, facilities, equipment and PPE currently used in industry to investigate quality of supply issues
- 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>