



Australian Government

Assessment Requirements for UETDRSO019 Manage supply and demand in distribution and sub-transmission networks

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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
- dealing with an unplanned event on at least one (1) occasion
- completing relevant work records, reports and documentation
- demonstrating at least three (3) demand management actions for sub-transmission and distribution network constraints that include the following:
 - sub-transmission lines
 - transformers
 - distribution lines
 - switchgear
- managing all of the following for each of the demand management actions:
 - load
 - voltage
 - system reliability
 - critical customers
- coordinating, prioritising and communicating network planned and unplanned work, with relevant personnel
- monitoring the status of access authorities and permits
- demonstrating application of supply and demand management tools
- meeting paralleling conditions for interconnected networks
- updating personnel, management and customers of progress.

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
- application, purpose, and types of permits and access authorities
- events constituting an unplanned event or incident
- procedures for responding to an unplanned event or incident
- workplace records, reports and documentation
- manuals, diagrams and drawings
- use of supply and demand management tools
- coordination, prioritisation, and communication of network planned and unplanned work
- communication with personnel, management and customers
- paralleling of interconnected networks
- actions and documentation for supply and demand management for sub-transmission and distribution network constraints, including:
 - sub-transmission lines
 - transformers
 - distribution lines
 - switchgear
- demand management actions, including:
 - load
 - voltage
 - system reliability
 - critical customers.

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, protection, control, metering and alarm equipment, computerised electrical plant control and monitoring facilities, and personal protective equipment (PPE) currently used in industry

- applicable documentation including, workplace requirements, relevant industry standards, equipment specifications, regulations, codes of practice, operational event data, network drawings, crisis management procedures 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>