



Australian Government

**Assessment Requirements for
UETDRSO014 Coordinate operations in a
regulated energy market**

Release: 1

Assessment Requirements for UETDRSO014 Coordinate operations in a regulated energy market

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
- obtaining and signing relevant work permits in accordance with workplace requirements
- completing relevant work records, reports and documentation
- demonstrating on at least three (3) occasions the following:
 - analysing energy market price data
 - placing bid depending on bid stack and dispatch
 - dispatching energy to the electricity market
 - responding to electricity market fluctuations
 - assessing network constraints
 - manipulating system for optimal energy dispatch.

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 possible hazards
- 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

- energy principles and practices
- sustainable energy principles and practices
- principles and objectives of the electricity market
- the role of ancillary services in the operation of the electricity market
- generation systems, including:
 - methods of generating electricity
 - types, characteristics, constraints
 - supply versus demand
- energy market principles, procedures, and objectives, including:
 - electricity pool
 - analysing energy market price
 - analysis of pricing concepts
 - service provider obligations
 - bidding
 - scheduling and dispatching energy
 - market fluctuations
 - network constraints
 - ancillary services
 - connection and access requirements
 - contractual obligations and operating agreements
 - market interventions
 - loss factors.

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, relevant industry standards, equipment specifications, regulations, codes of practice, relevant modelling tools, drawings 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>