



Australian Government

Assessment Requirements for UETTDRTS44 Test and maintain energy/revenue metering schemes (complex)

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.

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 separate occasions and include:

- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including the use of risk control measures
- applying sustainable energy principles and practices
- performing on at least three (3) occasion, the following activity:
 - field injection testing which includes determining site accuracy by applying multiple specific test points to determine and correct meter accuracy to applicable standards
- performing on at least three (3) occasions, the testing and maintenance of any four (4) of the following:
 - summation
 - subtraction
 - generation
 - bulk supply
 - interconnector
 - wholesale metering installations
- performing on at least three (3) occasions, the following activities:
 - identification of faults with metering equipment, energy registration and revenue billing
 - ensuring that all connection points are in operational order
 - identifying and correcting y functional errors
- dealing with unplanned events on at least (1) one occasion.

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:

- determining from schematics whether additional isolation is required and ensuring any current/voltage injection does not impact on related protection, control and supervisory control and data acquisition (SCADA) schemes

- calculation of site overall offset errors due to applied correction factors to the scheme
- calculation of site overall errors for logical metering schemes based on test results of individual related physical metering points
- identifying any impacts of testing on market settlement/financial data and managing the data substitution requirements
- determining the requirement for temporary metering during testing to ensure market settlement data is not adversely affected
- modifying and adapting test procedures to test non-standard metering schemes
- determining impacts of testing to ensure customer control, process and energy management systems are not adversely effected.

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:

- a range of relevant exercises, case studies and/or other simulations
- relevant and appropriate materials, tools, facilities, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation, including workplace procedures, relevant industry standards, equipment specifications, regulations, codes of practice and operation manuals.

Links

UET Training Package Companion Volume Implementation Guide is found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=229bace1-b7bc-4653-9300-dffb13ecfad7>