



Australian Government

Assessment Requirements for UETTDRTS38 Install and replace high voltage metering and associated 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.

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 installation and replacement, on at least three (3) occasions, of at least three (3) of the following:
 - high voltage (HV) metering schemes
 - HV zone substation metering schemes
 - HV bulk supply point metering schemes
 - HV summation metering schemes
- performing on at least three (3) occasions, the installation and replacement of the following:
 - HV current/voltage transformers (including return to service)
 - energy meters
 - associated equipment
- performing on at least one (1) occasion, the following activity:
 - installation or replacement of a typical HV bulk supply point metering scheme
- dealing with unplanned events on at least one (1) 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:

- associated equipment encompassing:
 - fuses, current transformers, voltage transformers, test block, current transformer chamber, marshalling kiosk, wiring, voltage fail relays, sealing equipment, terminals, links, modems, communications equipment, direct current (d.c.) supplies, aerials, optical isolation equipment, fibre optics, solid state recorders, pulse repeat relays, pulsing outputs, energy/distribution management systems, communication interface modules, and alarms

- selection of suitable equipment to meet site requirements and other requirements as prescribed by the regulated energy market rules
- communicating as required with market participants, including meter data provider and responsible person
- meter storage, handling and disposal processes in accordance with enterprise policies and procedures
- awareness of jurisdictional rules and requirements to allow work to be performed in local network service provider areas
- standards, codes, Commonwealth/state/territory legislation, supply authority regulations and/or enterprise requirements associated with the installation and replacement of HV metering and associated equipment procedures
- use of enterprise and/or manufacturer manuals, system diagrams/plans and drawings and other related documentation for the installation and replacement of HV metering and associated equipment
- work in accordance with enterprise safe systems of work.

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, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation, including workplace procedures, 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>