



Australian Government

Assessment Requirements for UEEEL0013

Install, set up and commission interval metering

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology 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, performance criteria and range of conditions on at least two separate occasions and include:

- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements and workplace procedures and practices, including using of risk control measures
- applying sustainable energy principles and practices
- completing and reporting meter installation activities
- dealing with unplanned events in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- determining prospective fault-current switchboard form types
- installing, setting up and commissioning interval electrical meters, including:
 - carrying out preparation work effectively
 - documenting meter and rectification work and notifying appropriate person/s in accordance with workplace procedures
 - following workplace procedures to obtain approval to rectify non-compliance aspects of the switchboard
 - inspecting and evaluating safety and functionality compliance of the switchboard accurately
 - locating of switchboards and arrangement of switchboard equipment in installations
 - making power and communications connections in accordance with manufacturer specifications and functional and regulatory requirements
 - placing and securing meter correctly
 - rectifying compliance defects
 - reinstating supply to the installation safely in accordance with workplace procedures
 - setting meter parameters in accordance with manufacturer specifications and functional and regulatory requirements
- planning to install interval electrical meters.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions and include knowledge of:

- current industry practices and technologies
- interval meter concepts and installation, including:
 - classes of meter types, functions, and construction from a block diagram
 - communication methods and arrangements
 - importing and exporting energy
 - installation and power connection arrangements and connections for gas metering
 - purpose, types and applications
 - single and polyphase meters and procedures for setting meter parameters
- meter layouts and requirements, including:
 - accessibility and restricted locations of switchboards
 - arrangement and identification of switchboard equipment
 - arrangement and installation of meter equipment
 - construction requirements of switchboards
 - identification of main switchboards
 - meter equipment
 - protection against switchboard internal arc faults
 - purpose, types and applications
 - switchboard wiring and fire-protective measures
 - varying arrangements for meter and meter layouts
- reasons for meter and the regulated market, including regulations
- relevant industry technical standards
- relevant job safety assessments or risk mitigation processes
- relevant manufacturer specifications
- relevant state/territory regulator interval metre commissioning requirements and specifications
- relevant WHS/OHS legislated and regulation requirements
- relevant workplace documentation
- relevant workplace policies and procedures
- sustainable energy principles and practices.

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 suitable workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in suitable simulated workplace operational situations that replicate 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
- resources used should reflect current industry practices in relation to installing and setting up interval meters
- applicable documentation, including workplace procedures, equipment specifications, regulations, relevant industry standards, codes of practice and operation manuals.

Links

Companion Volume implementation guides are found in VETNet - -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>