



Australian Government

Assessment Requirements for UEPMNT502 Test and commission electronic electrical systems

Release: 1

Assessment Requirements for UEPMNT502 Test and commission electronic electrical systems

Modification History

Release 1. This is the first release of this unit of competency in the UEP Generation Training Package.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements, performance criteria and range of conditions on at least two separate occasions and includes:

- applying Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) requirements including:
 - hazard identification
 - risk control measures
 - safe working practices
 - using emergency procedures
- commissioning electronic electrical systems using commissioning procedures
- communicating with personnel
- completing work as per scheduled requirements
- determining permit to work requirements
- implementing regulations, industry standards, codes of practice and legislation
- inspecting and monitoring electronic electrical systems and wiring systems
- interpreting manufacturers' specifications, circuit plans and manuals
- planning for testing and commissioning electronic electrical systems work
- selecting materials
- testing electronic electrical systems using test and measurement instruments
- testing electronic electrical wiring systems using testing techniques
- using tools and equipment
- utilising data analysis techniques and tools

Knowledge Evidence

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

- commission and test techniques
- electronic and electrical systems and operational characteristics

- equipment and material
- isolations
- legislation, industry standards, codes of practice and regulations
- manufacturers' specifications, circuit plans and manuals
- permit to work system
- plant and equipment, its location and operation
- test and measurement instruments
- testing and commissioning electronic electrical systems,
- typical arrangements of power production plant
- WHS/OHS legislated requirements including:
 - hazard identification
 - risk control measures
 - safe working practices
 - using emergency procedures
- workplace documentation
- workplace policies and procedures

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

As a minimum, assessment must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

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.

Assessment must occur in workplace operational situations. Where this is not appropriate, assessment must occur in simulated workplace operational situations that reflect workplace conditions. 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 currently used in industry
- applicable documentation including workplace procedures, industry standards, equipment specifications, regulations, codes of practice and operation manuals.

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=1715b9fa-e7bd-441c-bb8d-cf22c9c825a8>