



Australian Government

Assessment Requirements for UEPMNT504 Test and commission instrumentation systems

Release: 1

Assessment Requirements for UEPMNT504 Test and commission instrumentation 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:
 - emergency procedures
 - hazard identification
 - risk control measures
- commissioning equipment using commissioning techniques and procedures
- communicating with personnel
- determining permit to work requirements
- finalising completion details
- inspecting, monitoring and testing wiring systems, piping and tubing systems and equipment
- interpreting manufacturers' specifications, manuals, plans and drawings
- performing with instrument calibration techniques
- planning for testing and commissioning of instrumentation systems work
- safe working practices implementing regulations, industry standards, codes of practice and legislation
- selecting and using materials
- testing piping and tubing systems
- testing system
- testing wiring systems using testing techniques
- using tools and equipment
- utilising data analysis techniques and tools
- working with test and measurement instruments

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:

- characteristics and operating principles of equipment and plant instrumentation systems
- equipment and materials
- generation plant and equipment, its location and operation
- instrument calibration techniques
- isolations
- legislation, industry standards, codes of practice and regulations
- manufacturers' specifications and manuals
- permit to work system
- plans and drawings
- test and commission of instrumentation systems
- test and commission techniques
- test and measurement instruments
- typical arrangements of power production plant
- WHS/OHS legislated requirements including:
 - emergency procedures
 - hazard identification
 - risk control measures
 - safe working practices
- workplace documentation
- workplace policies and procedures

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.

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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.
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Assessment Conditions

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Links

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