



Australian Government

Assessment Requirements for UEPMNT421

Conduct technical inspection of process plant and equipment

Release: 2

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Modification History

Release 2. Minor release to update superseded pre-requisite units.

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:

- analysing inspection results
- analysing with data analysis techniques and tools
- applying Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) requirements including:
 - emergency procedures
 - hazard identification
 - risk control measures
 - safe working practices
- communicating with personnel
- comparing components against drawings, manuals and modules
- determining power generation operating parameters and process plant status
- identifying abnormal power generation plant operating conditions including process plant
- implementing legislation, industry standards, codes of practice and regulations
- inspecting process plant
- locating process plant and equipment at worksite
- meeting permit to work requirements
- organising a remedial action plan
- preparing for inspection
- recognising worn, damaged or seized components
- updating documentation using recording procedures
- using manufacturers' specifications and manuals
- utilising testing and inspection techniques
- working with Safety Data Sheets (SDS)/Material Safety Data Sheets (MSDS)

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:

- data analysis techniques and tools
- inspection and test procedures
- legislation, industry standards, codes of practice and regulations
- manufacturers' specifications and manuals
- permit to work system
- power generation plant operating parameters including process plant
- process plant and equipment, its location and operation
- process plant status
- Safety Data Sheets (SDS)/Material Safety Data Sheets (MSDS)
- test equipment
- 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
- worn, damaged or faulty process plant and equipment

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.

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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.

Links

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