



Australian Government

Assessment Requirements for UEPMNT424 Monitor efficiency of thermal steam cycle power plant

Release: 1

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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
 - potential hazards
 - risk control measures
 - safe working practices
- collecting data
- communicating with personnel
- determining thermal steam cycle plant performance
- evaluating and analysing information
- identifying thermal steam cycle plant status
- implementing legislation, industry standards, codes of practice and regulations
- interpreting manufacturers' specifications and manuals
- monitoring thermal steam cycle power plant
- performing calculations
- producing reports and completing work
- recording data and writing reports
- using data analysis techniques and tools
- using resources and materials
- utilising operating parameters for thermal steam cycle plant
- working with performance testing and data collection techniques

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:

- calculations
- evaluation and analysis of data
- legislation, industry standards, codes of practice and regulations
- manufacturers' specifications and manuals
- performance testing techniques
- report writing
- resources and materials
- thermal steam cycle plant status
- thermal steam cycle power plant monitoring thermal steam cycle plant and equipment, its location
- thermal steam cycle power plant operating parameters, performance and characteristics
- typical arrangements of power production plant
- WHS/OHS legislated requirements including:
 - emergency procedures
 - potential hazards
 - risk control measures
 - safe working practices
- 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.

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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.education.gov.au/Pages/TrainingDocs.aspx?q=1715b9fa-e7bd-441c-bb8d-cf22c9c825a8>