



Australian Government

Assessment Requirements for UEPMNT303 Maintain mechanical valves

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 Minor release to update superseded pre-requisite units.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:

- applying Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) requirements including:
 - emergency procedures
 - identifying hazards
 - risk control measures
 - safe working practices
- communicating with personnel
- completing work as per scheduled requirements
- determining work to permit requirements
- dismantling and reassembling mechanical valves
- implementing legislation, industry standards, codes of practice and regulations
- interpreting technical drawings, plans, manufacturers' specifications and manuals
- levelling and aligning valves using approved techniques
- manufacturing and installing seals and gaskets
- performing valve maintenance using maintenance techniques and procedures
- planning for mechanical valve maintenance work
- recognising worn or damaged components
- removing valves for maintenance using removal techniques and procedures
- replacing and installing valves using installation techniques and procedures
- selecting materials and components
- testing mechanical valves and equipment
- undertaking evaluations using data analysis techniques
- working with tools and precision measuring equipment

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
- dismantling and reassembling techniques
- isolations
- manufacture and installation of seals and gaskets
- manufacturers' specifications and manuals legislation, industry standards, codes of practice and regulations
- materials and components
- measurement equipment
- permit to work system
- recognition of worn or damaged components
- technical drawings and plans
- test techniques
- types of mechanical valves and characteristics
- typical arrangements of power production plant
- use of tools
- valve installation techniques
- valve levelling and alignment techniques
- WHS/OHS legislated requirements including:
 - emergency procedures
 - identifying 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
- applicable documentation including workplace procedures, industry standards, equipment specifications, regulations, codes of practice and operation manuals.
- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1715b9fa-e7bd-441c-bb8d-cf22c9c825a8>