



Australian Government

Assessment Requirements for UEPMNT403 Maintain complex mechanical valves

Release: 2

Assessment Requirements for UEP MNT403 Maintain complex mechanical valves

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 Minor release to update superseded pre-requisite units.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 data using 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
- completing work as per scheduled requirements
- determining permit to work requirements
- implementing legislation, industry standards, codes of practice and regulations
- interpreting manufacturers' specifications and manuals
- levelling and aligning using approved techniques
- performing complex mechanical valve maintenance using maintenance techniques and procedures
- performing dismantling and assembling techniques
- planning for maintenance of complex mechanical valve work
- reading technical drawings and data
- recognising worn or damaged components
- rectifying faults
- removing valves for complex mechanical valve maintenance using removal techniques
- replacing or installing complex mechanical valves using installation techniques and procedures
- selecting materials and components
- undertaking valve operational techniques
- utilising diagnostic and testing techniques
- working with precision measuring equipment 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:

- diagnostic and testing techniques
- legislation, industry standards, codes of practice and regulations
- level and aligning techniques
- maintain complex mechanical valves plant and equipment, its location and operation
- manufacturers' specifications and manuals
- measuring equipment
- permit to work system
- technical drawings and data
- tools
- typical arrangements of power production plant
- valve materials, components and operations of
- valve operating arrangements
- WHS/OHS legislated requirements including:
 - emergency procedures
 - hazard identification
 - 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.gov.au/Pages/TrainingDocs.aspx?q=1715b9fa-e7bd-441c-bb8d-cf22c9c825a8>