



Australian Government

**Assessment Requirements for UEPMNT401
Install and maintain complex mechanical
seals**

Release: 2

Assessment Requirements for UEPMNT401 Install and maintain complex mechanical seals

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 Minor release to update superseded pre-requisite units.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
 - hazard identification
 - risk control measures
 - safe working practices
- communicating with personnel
- completing work
- determining permit to work requirements
- interpreting manufacturers' specifications and manuals
- maintain complex mechanical seals
- manufacturing and installing seals and gaskets
- planning for installation and maintenance of complex mechanical seals work
- recognising worn or damaged components
- remove complex mechanical seals for maintenance
- replace or install complex mechanical seals
- selecting materials and components
- undertaking dismantling and reassembling techniques
- using measuring equipment
- using tools
- utilising removal, installation and maintenance techniques and procedures
- working with diagnostic and testing 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:

- diagnosis and repair of faults in complex mechanical seals
- generation plant and equipment, its location and operation
- isolations
- legislation, industry standards, codes of practice and regulations
- level and aligning techniques
- manufacturers' specifications and manuals
- materials and components
- permit to work system
- precision measuring equipment
- technical drawings
- test techniques
- tools
- types and materials of seals and gaskets
- 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

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>