



Australian Government

**Assessment Requirements for UEPMNT367
Install and commission stationary gas
fuelled reciprocating engines**

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 Minor release to update superseded pre-requisite units.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:
 - hazard identification
 - identifying hazards
 - risk control measures
 - safe working practices
- commissioning stationary gas fuelled reciprocating engine
- communicating with personnel
- completing and reporting on installation and commissioning activities
- completing documentation
- determining permit to work requirements
- identifying safety and/or site arrangements including hazardous area requirements
- implementing legislation, industry standards, codes of practice and regulations
- installing stationary gas fuelled reciprocating engine
- interpreting technical and plans drawings related to plant and/or equipment locations and pipe work connections
- obtaining formal authority to proceed with installation and commissioning
- preparing to install and commission stationary gas fuelled reciprocating engines
- recording results from testing
- rectifying defects using tools and equipment
- securing, aligning and connecting plant, equipment, pipe work, components and accessories accurately
- testing pressure, repairing leaks and purging fuel train system to design test pressures
- undertaking compliance and safety inspections
- using manufacturers' specifications and manuals

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:

- commission and installation processes
- compliance and safety inspections
- documentation and reports
- gas fuelled reciprocating engine types and characteristics
- gas fuels
- legislation, industry standards, codes of practice and regulations
- manufacturers' specifications and manuals
- permit to work system
- potential defects
- pressure testing, repairing leaks and purging fuel train system to design test pressures
- safety and/or site arrangements including hazardous area requirements
- securement, alignment and connection of plant, equipment, pipe work, components and accessories
- stationary gas fuelled reciprocating engine plant and equipment drawings and plans
- tools and equipment
- 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>