



Australian Government

Assessment Requirements for UEPOPS248

Operate and monitor an internal combustion dual fuel reciprocating engine

Release: 1

Assessment Requirements for UEPOPS248 Operate and monitor an internal combustion dual fuel reciprocating engine

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:

- analysing internal combustion dual reciprocating engine plant faults using data analysis techniques and tools
- applying dual fuel engine operational knowledge
- applying Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) requirements including:
 - emergency procedures
 - risk control measures
 - safe working practices
- changing fuel type during operation
- communicating with personnel
- completing documentation
- complying with legislation, industry standards, codes of practice and regulations
- identifying internal combustion dual reciprocating engine plant status
- interpreting manufacturers' manuals and specifications
- monitoring and inspecting internal combustion dual reciprocating engine plant operations
- operating dual fuel engines
- preparing and planning work
- preparing internal combustion dual reciprocating engine plant and/or equipment for operation
- recognising and responding to abnormal internal combustion dual reciprocating engine plant operating conditions
- testing internal combustion dual reciprocating engine plant operationally using diagnostic and test techniques
- utilising fuel changeover equipment and/or systems
- working with permit to work system

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:

- internal combustion dual reciprocating engine plant and equipment, its location and operating parameters
- internal combustion dual reciprocating engine plant status including fuel changeover equipment
- internal combustion reciprocating engine types and characteristics
- legislation, industry standards, codes of practice and regulations
- manufacturers' specifications and manuals
- permit to work system
- typical arrangements of power production plant
- WHS/OHS legislated requirements including:
 - emergency procedures
 - risk control measures
 - safe work 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>

