



Australian Government

Assessment Requirements for UEP OPS134 Shut down a gas turbine

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the UEP Electricity Supply Industry – Generation Sector Training Package Release 2.0.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria on at least two separate occasions and include:

- analysing technical and operational information
- applying work health and safety (WHS)/occupational health and safety (OHS) legislated requirements, including:
 - emergency procedures
 - risk control measures
 - safe working practices
- communicating with personnel
- completing documentation using recording procedures
- identifying gas turbine plant status
- implementing regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- inspecting and testing gas turbine plant operation using diagnostic and data analysis techniques and tools to determine faults
- interpreting manuals
- monitoring and operating gas turbine plant and equipment
- preparing gas turbine shutdown plan
- responding to abnormal gas turbine plant operating conditions
- shutting down a gas turbine plant, including planning gas turbine shutdown and organising resources
- using permit to work system
- working with gas turbine plant and equipment.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria and include knowledge of:

- fault-finding techniques
- gas turbine operating parameters

- manuals
- permit to work system
- principles and techniques of operation of a gas turbine and associated plant and equipment
- regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- safety precautions associated with gas turbine shutdown
- sequence of gas turbine operations
- shutdown procedures
- technical and operational analysing techniques
- WHS/ OHS requirements, including:
 - emergency procedures
 - safe working practices
 - risk control measures
- workplace documentation
- workplace policies and procedures.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

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.

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 (PPE) currently used in industry
- applicable documentation, including workplace procedures, 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>