



Australian Government

UEPMNT311 Maintain fuel transport equipment

Release: 1

UEPMNT311 Maintain fuel transport equipment

Modification History

Release 1. This is the first release of this unit of competency in the UEP Generation Training Package.

Application

This unit involves the skills and knowledge required to conduct the installation, repair and/or overhaul of fuel carriage and delivery transport equipment and associated systems.

Fuel transport equipment encompasses fuel delivery systems inclusive of gas, oil and coal. The repair or overhaul of fuel carriage and delivery transport equipment and associated systems is aimed at ensuring optimal performance.

Competency in this unit requires the ability to plan work, remove fuel transport equipment, maintain fuel delivery systems, replace fuel delivery systems and associated equipment in fuel transport equipment and to report on all completed work tasks. Individuals will, in general, work under supervision in an electrical, electronic and/or mechanical equipment repair workshop or on site.

Power generation maintenance personnel are typically trained and authorised to receive permits to work.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Note: Workplace practice

The application of the skills and knowledge described in this unit of competency may require a licence or training permit to practice in the workplace, where work is carried out on gas and electrical installations. Additional and/or other conditions may apply under state and territory legislative and regulatory licensing requirements.

Pre-requisite Unit

MEM18006C Repair and fit engineering components

MEM09002B Interpret technical drawing

MEM12023A Perform engineering measurements

MEM18001C Use hand tools

MEM18002B Use power tools/hand held operations

MEM18003C Use tools for precision work

MEM18055B Dismantle, replace and assemble engineering components

Competency Field

Maintenance

Unit Sector

Electricity generation

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Plan and prepare for work

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1** Requirements including scope of work and assigned roles are identified and confirmed with appropriate personnel or by site inspection, in accordance with workplace procedures
- 1.2** Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) regulations, legislative requirements, industry standards, codes of practice, manufacturers' specifications, environmental obligations and workplace procedures are reviewed in preparation for work
- 1.3** Resources are obtained and inspected for compliance with job specification
- 1.4** Relevant plans, drawings and manuals are selected and used, in accordance with workplace procedures
- 1.5** Correct materials and components for work are obtained and inspected, in accordance with workplace procedures, for compliance with job specification
- 1.6** Work is planned, sequenced and prioritised, in accordance with workplace procedures
- 1.7** Potential hazards are identified and risk control measures are selected and implemented, in accordance with workplace procedures
- 1.8** Work area is prepared, in accordance with workplace procedures

2 Remove transport systems

- 2.1** Isolations are confirmed, where appropriate, in

and associated equipment		accordance with workplace procedures
	2.2	Fuel transport systems are disconnected, in accordance with workplace procedures
	2.3	Fuel transport systems are removed in a manner which will assist in replacement, in accordance with the workplace procedures
	2.4	Fuel transport systems are inspected for abnormalities, in accordance with workplace procedures
3 Maintain fuel delivery systems	3.1	Maintenance is performed, in accordance with workplace and site procedures
	3.2	Fuel transport system equipment is dismantled in a manner that will facilitate reassembly, in accordance with workplace procedures
	3.3	Faulty components are replaced, in accordance with workplace procedures and site requirements
	3.4	Fuel transport system equipment is reassembled, in accordance with workplace procedures and site requirements
4 Replace transport systems and associated equipment	4.1	Equipment and plant is prepared for fuel transport systems to be replaced, in accordance with workplace procedures
	4.2	Fuel transport systems are replaced, in accordance with workplace procedures and manufacturers' specifications
	4.3	Fuel transport systems are given a test run and are monitored, as required, in accordance with workplace procedures and manufacturers' specification
5 Complete work	5.1	Work is completed and appropriate personnel are notified, in accordance with workplace procedures
	5.2	Work area is cleared of waste, cleaned, restored and secured, in accordance with workplace procedures
	5.3	Tools and equipment are cleaned, maintained and stored, in accordance with workplace procedures
	5.4	Work completion details are finalised, in accordance with workplace procedures

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEPMT311B Maintain fuel transport equipment.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1715b9fa-e7bd-441c-bb8d-cf22c9c825a8>

Assessment Requirements for UEPMNT311 Maintain fuel transport equipment

Modification History

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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:

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- 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 arrangements
- identifying and using measuring equipment
- interpreting technical drawings, manufacturers' specifications and manuals
- maintaining fuel delivery systems using maintenance techniques and procedures
- planning for fuel transport equipment maintenance work
- removing systems and associated equipment using removal techniques and procedures
- replacing systems and associated equipment using installing techniques and procedures
- reviewing technical drawings
- selecting materials and components
- using tools
- 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:

- fuel transport systems
- hand tools
- legislation, industry standards, codes of practice and regulations

- maintenance of fuel transport equipment
- manufacturers' specifications and manuals
- materials and components
- measuring equipment
- permit to work system
- technical drawings
- typical arrangements of a 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.

As a minimum, assessment must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

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

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