



Australian Government

UEGNSG614 Load, unload, exchange and connect LPG cylinders

Release: 1

UEGNSG614 Load, unload, exchange and connect LPG cylinders

Modification History

Release 1. This is the first release of this unit of competency in the UEG Gas Industry Training Package.

Application

This unit involves the skills and knowledge required to load, unload, exchange and connect liquefied petroleum gas (LPG) cylinders to an approved installation in accordance with relevant legislation, codes of practice, regulations and workplace procedures.

It includes following procedures to correctly and safely carry out the work using appropriate materials, tools and equipment.

This unit applies to work sites where the distribution of LPG cylinders occurs, including cylinder delivery drivers and service/installation gas fitters who exchange LPG gas cylinders connected to an approved gas installation.

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

Pre-requisite Unit

Not applicable

Competency Field

Gaseous Fuel Vessels

Unit Sector

Gas Industry

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to load/unload truck, exchange and connect LPG cylinders

PERFORMANCE CRITERIA

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

1.1 Job requirements and workplace procedures for the work are obtained and discussed with relevant person/s to establish and confirm the work schedule

- 1.2 Work health and safety (WHS)/occupational health and safety (OHS), environmental and sustainable energy policies and procedures for the work are obtained and applied
 - 1.3 Recommendations to assist with the loading, applying cylinder load restraint, unloading and exchanging of gas cylinders are made to others involved in the work as required
 - 1.4 Hazards and WHS/OHS risks are identified and prioritised and control measures implemented and monitored
 - 1.5 Equipment, tools and personal protective equipment (PPE) required for the job are obtained and checked for correct operation and safety in accordance with workplace procedures
 - 1.6 Safety and emergency response procedures and responsibilities for first aid at the work site are confirmed with relevant person/s in accordance with workplace procedures
 - 1.7 Client/customer issues are referred to appropriate person/s in accordance with workplace procedures and industry standards
 - 1.8 Site is prepared to minimise risk and damage to property, commerce and individuals in accordance with job instructions, work schedule and workplace procedures
- 2 Load/unload truck, exchange and connect LPG cylinders**
- 2.1 WHS/OHS risk control measures and policies and procedures are followed in accordance with workplace procedures
 - 2.2 Hazardous activities are performed safely in accordance with job instructions, regulatory requirements and workplace procedures
 - 2.3 Truck is correctly positioned for the loading, unloading and exchanging of gas cylinders to ensure completion in agreed timeframes with a minimum of waste and to industry standards
 - 2.4 Loading, applying cylinder load restraint, transporting, unloading, exchanging and connection of gas cylinders is conducted in accordance with job instructions and

workplace procedures

- 2.5 Gas connection between cylinder and gas installation is leak tested to ensure gas cylinder tightness
- 2.6 Potential hazards and safety risks are identified and reported to authorised person/s for directions in accordance with workplace procedures
- 2.7 Unplanned and non-routine events and are referred to authorised person/s for directions in accordance with workplace procedures
- 2.8 Fault-finding and troubleshooting techniques are applied to problems encountered with the loading, unloading and exchanging of gas cylinders to ensure work schedule and job requirements are met
- 2.9 Quality and safety checks of the work are conducted in accordance with job requirements, industry standards and workplace procedures

3 Complete work and relevant documentation

- 3.1 Work undertaken is checked against work schedule and anomalies reported to relevant person/s in accordance with workplace procedures
- 3.2 Accidents and incidents are actioned and reported to relevant person/s in accordance with workplace procedures
- 3.3 Work site is cleaned up and made safe in accordance with job instructions and workplace procedures
- 3.4 Tools, equipment and any surplus resources and materials are cleaned, checked and returned to storage in accordance with workplace procedures
- 3.5 Relevant person/s are notified of work completion in accordance with workplace procedures
- 3.6 Delivery documentation and work completion records, report forms and data sheets are completed in accordance with job instructions and 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 UEG Gas Industry Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEGNSG614A Load, unload, exchange and connect LPG cylinders.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6a6c032e-ffcb-4f3d-8063-415efbd261e8>

Assessment Requirements for UEGNSG614 Load, unload, exchange and connect LPG cylinders

Modification History

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Performance Evidence

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

- applying relevant industry standards, guidelines, codes of practice and regulations
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - working safely with hazardous materials and equipment
 - hazard identification and reporting
 - implementing risk control measures
 - selecting and using correct personal protective equipment (PPE)
 - emergency procedures and response actions
- applying sustainable energy and environmental principles and practices
- communicating with relevant person/s
- completing work and relevant documentation
- conducting quality and safety checks
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- exchanging and connecting liquified petroleum gas (LPG) cylinders
- following workplace procedures
- loading and unloading cylinders and apply cylinder load restraint
- obtaining and using relevant equipment and tools, including:
 - cylinder trolleys
 - hoses and fittings
 - hand tools
 - leak detection fluid
 - truck tail gate loader
 - tray gates and ropes
- positioning truck correctly
- preparing to load/unload truck, exchange and connect LPG cylinders.

Knowledge Evidence

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

- hazardous activities, including lifting, climbing, working in confined spaces and aloft, and use of power tools
- fault-finding and troubleshooting techniques
- leak detection methods
- LPG cylinders, including:
 - cylinder installation requirements
 - properties of LPG
 - types, construction, size, valves, labelling and material safety data sheets/safety data sheets (MSDS/SDS)
 - handling, loading, unloading and exchanging
 - disconnecting and connecting
 - out of gas procedures
- LPG cylinder transport requirements, including:
 - cylinder load restraint
 - transport of dangerous goods placard loads
 - dangerous goods routes
- quality and safety checks
- relevant legislation, regulations, codes of practice, industry standards and policies, including dangerous goods codes
- relevant safe work method statements (SWMS)/job safety assessments or risk mitigation processes
- relevant workplace documentation, forms, records and reports
- relevant workplace policies and procedures
- relevant WHS/OHS legislated requirements, including:
 - applicable emergency equipment and procedures
 - hazards, risk assessment and control measures
 - environmental and sustainable energy principles and practices
 - hazard warnings and safety signs
 - manual handling
 - job safety assessments
 - hazardous materials
 - use of spill kits and PPE
- types of accidents and emergencies, including fire and gas leak
- workplace quality requirements and specifications.

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 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 PPE currently used in industry
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

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