



**Australian Government**

# **TLIB3005 Carry out maintenance of vehicles designed to carry special loads**

**Release: 1**

# **TLIB3005 Carry out maintenance of vehicles designed to carry special loads**

## **Modification History**

Release 1. This is the first release of this unit of competency in the TLI Transport and Logistics Training Package.

## **Application**

This unit involves the skills and knowledge required to carry out basic servicing and routine maintenance of a commercial vehicle designed to carry a special load, across a variety of operational contexts.

It includes action to implement manufacturer specifications for routine checks and maintenance of vehicle and its associated ancillary equipment, to ensure all specified safety requirements are met, and to ensure vehicle and its ancillary equipment are operational to workplace requirements and relevant state/territory roads and traffic authority regulations.

Work must be carried out in accordance with relevant roads and traffic authority regulations, and workplace procedures and policy for vehicle maintenance.

Work is performed with limited supervision and with duty of care responsibility for self and others in achieving the prescribed outcomes.

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

## **Pre-requisite Unit**

Not applicable.

## **Competency Field**

B – Equipment Checking and Maintenance

## **Unit Sector**

Not applicable.

## **Elements and Performance Criteria**

### **ELEMENTS**

Elements describe the

### **PERFORMANCE CRITERIA**

Performance criteria describe the performance needed to

| essential outcomes.                                                               | demonstrate achievement of the element.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1 Diagnose vehicle faults and undertake repairs for safe vehicle operation</b> | <p>1.1 Job hazards are identified and required action is taken to minimise, control or eliminate identified hazards</p> <p>1.2 Faults in vehicle and/or ancillary equipment electrical system are identified, diagnosed and repaired, in accordance with manufacturer specifications and workplace procedures</p> <p>1.3 Faults in fuel system are identified, diagnosed and repaired in accordance with manufacturer specifications and workplace procedures</p>                                                                                                                                                                                                                                                                                                                                 |
| <b>2 Maintain the vehicle systems</b>                                             | <p>2.1 Fluid levels in vehicle and/or ancillary equipment are checked and adjusted in accordance with manufacturer specifications and workplace procedures</p> <p>2.2 Air/hydraulic fluid levels in vehicle and/or ancillary equipment are checked and adjusted in accordance with manufacturer specifications and workplace procedures</p> <p>2.3 Safety equipment is inspected in accordance with regulatory requirements and workplace procedures</p>                                                                                                                                                                                                                                                                                                                                          |
| <b>3 Carry out minor repairs to a vehicle</b>                                     | <p>3.1 Vehicle components are removed, repaired or replaced and refitted to vehicle using correct tools in accordance with manufacturer instructions and workplace procedures</p> <p>3.2 Tyres are repaired or replaced on vehicle in accordance with workplace procedures and manufacturer instructions</p> <p>3.3 Need for more complex maintenance procedures is identified and problem is correctly referred in accordance with workplace procedures</p> <p>3.4 Work health and safety (WHS)/occupational health and safety (OHS) procedures are followed throughout maintenance activities</p> <p>3.5 Required documentation is completed in accordance with workplace procedures</p> <p>3.6 Records of routine maintenance and repairs are kept in accordance with workplace procedures</p> |

## 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 can be found in the Companion Volume Implementation Guide.

## Unit Mapping Information

This unit replaces and is equivalent to TLIB3005A Carry out maintenance of vehicles designed to carry special loads.

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=df441c6e-213d-43e3-874c-0b3f7036d851>

# Assessment Requirements for TLIB3005 Carry out maintenance of vehicles designed to carry special loads

## Modification History

Release 1. This is the first release of this unit of competency in the TLI Transport and Logistics Training Package.

## 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 one occasion and include:

- applying precautions and required action to minimise, control or eliminate identified hazards
- applying relevant legislation and workplace procedures
- checking and replenishing fluids and carrying out lubrication processes
- communicating effectively with others
- completing documentation related to work activities
- interpreting and following operational instructions and prioritising work
- modifying activities depending on operational contingencies, risk situations and environments
- monitoring work activities in terms of planned schedule
- operating and adapting to differences in equipment in accordance with workplace procedures
- reading and interpreting relevant instructions, procedures, information and signs
- reporting and/or rectifying identified problems, faults or malfunctions promptly, in accordance with regulatory requirements and workplace procedures
- selecting and using required personal protective equipment conforming to industry and work health and safety (WHS)/occupational health and safety (OHS) standards
- servicing equipment in terms of maintenance schedule and standard operating procedures
- working collaboratively with others
- working systematically with required attention to detail without injury to self or others, or damage to goods or equipment.

## 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:

- basic fault finding procedures required for routine servicing and maintenance of vehicles designed to carry special loads
- basic principles of operation of systems on commercial vehicles, including electrical systems, fuel systems, cooling systems, steering systems, exhaust system, tyres, brakes, and relevant ancillary systems
- housekeeping standards
- problems that may occur during routine servicing and maintenance of a vehicle and its associated ancillary equipment, and appropriate action and solutions
- procedures for checking, and routine servicing and maintenance of a commercial vehicle designed to carry special loads in accordance with workplace procedures and manufacturer requirements, and established safety rules and regulations
- procedures for using and maintaining materials, tools and parts required for routine servicing and maintenance
- procedures required to minimise waste during routine servicing and maintenance
- recognition and diagnosis of faults and vehicle/ancillary system irregularities
- relevant duty of care requirements for routine servicing and maintenance of vehicles designed to carry special loads
- relevant national heavy vehicle legislation and regulatory requirements
- relevant WHS/OHS and pollution control procedures
- reporting and documentation requirements.

## 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 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 include:

- a range of relevant exercises, case studies and/or simulations
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals
- relevant materials, tools, equipment and personal protective equipment currently used in industry.

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=df441c6e-213d-43e3-874c-0b3f7036d851>