



Australian Government

TLIC0011 Conduct heavy vehicle recovery operations

Release: 1

TLIC0011 Conduct heavy vehicle recovery operations

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 operate heavy recovery vehicle.

It includes preparing for recovery operations, travelling to recovery site, assessing recovery site and winching requirements, hooking up disabled vehicle, towing disabled vehicle to delivery point, unhooking disabled vehicle and finalising recovery operations.

It includes operating winching equipment capable of extracting a range of vehicles.

This unit applies to those working in the heavy recovery industry.

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

Pre-requisite Unit

Not applicable.

Competency Field

C – Vehicle Operation

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare for recovery operations

PERFORMANCE CRITERIA

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

1.1 Information on recovery job is obtained and reviewed to determine equipment and operating requirements according to workplace procedures

- 1.2 Vehicle and equipment are selected according to job recovery requirements and workplace procedures
 - 1.3 Routine pre-operational checks on recovery vehicle, fittings and equipment are conducted in accordance with workplace procedures and manufacturer specifications
 - 1.4 Faulty or damaged equipment is identified and reported promptly in accordance with workplace procedures
 - 1.5 Work health and safety (WHS)/occupational health and safety (OHS) hazards associated with vehicle and equipment are identified, risk assessed and handled in accordance with workplace procedures
 - 1.6 Recovery vehicle, fittings and equipment are made operationally ready for recovery job in accordance with workplace procedures
 - 1.7 Necessary licences, logbooks and mass permits are checked for currency and that they are located in vehicle
 - 1.8 Personal protective equipment (PPE) is selected to meet the requirements for the recovery operation and checked according to workplace procedures
 - 1.9 Route is planned in accordance with regulatory and workplace policy and procedures
- 2 **Travel to recovery site**
 - 2.1 Recovery vehicle is driven and manoeuvred in accordance with legal requirements, taking into consideration eco-driving techniques, safe driving awareness techniques, workplace policies and procedures
 - 2.2 Situational awareness is maintained in following planned route
 - 2.3 When recovery vehicle is legally authorised to drive on hard shoulder and there are stationary queues, extreme care is taken, and speed is reduced to minimise danger to vehicles and pedestrians
- 3 **Assess recovery site and winching requirements**
 - 3.1 Recovery vehicle is driven onto site in accordance with workplace procedures
 - 3.2 Communication with people on-site is maintained using appropriate techniques and terminology (as required)
 - 3.3 Recovery vehicle is parked in a position to avoid obstruction

- to authorities, traffic flow and hazard warning lights or beacons (as required)
- 3.4 Recovery vehicle is parked in a safe position with regard to size of recovery unit and ability to protect scene
 - 3.5 Site is inspected, hazards and obstacles associated with recovery operations are identified, risks assessed and control measures implemented according to workplace procedures
 - 3.6 Hazards and environmental conditions are assessed and required action is taken to minimise, control or eliminate identified hazards
 - 3.7 Appropriate action is taken to ensure the safety of disabled vehicle occupants according to workplace procedures
 - 3.8 Winching requirements are determined and winching plan is developed taking into consideration terrain conditions, recovery equipment and vehicle capabilities according to workplace procedures
 - 3.9 Winching equipment is prepared according to winching plan
- 4 Hookup disabled vehicle**
- 4.1 Recovery vehicle is safely manoeuvred into position to facilitate recovery and to minimise inconvenience to traffic flow
 - 4.2 Operational area is checked and personnel in that area are informed of the initiation of the operation
 - 4.3 Equipment is started up using correct sequence in accordance with workplace procedures and manufacturer specifications
 - 4.4 Winching and hook-up process is conducted according to winching plan, manufacturer guidelines and workplace procedures
 - 4.5 Minor unplanned situations are responded to according to workplace procedures
 - 4.6 Assistance from appropriate personnel is requested when major problems outside of the scope of the winching plan occur
 - 4.7 Communication with others is maintained to explain recovery progress
 - 4.8 Site is restored in accordance with workplace policies and procedures

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| 5 Tow disabled vehicle to delivery point | 5.1 | Disabled vehicle is towed and manoeuvred in accordance with legal requirements, taking into consideration eco-driving techniques, safe driving awareness techniques, workplace policies and procedures |
| | 5.2 | Recovery vehicle is driven within heavy towing special speed limits and permit conditions |
| | 5.3 | Situational awareness is maintained for potential problems with disabled vehicle |
| 6 Unhook disabled vehicle | 6.1 | Disabled vehicle is safely manoeuvred into position in accordance with workplace procedures |
| | 6.2 | Disabled vehicle brakes are engaged, and vehicle is chocked |
| | 6.3 | Winching and unhook process is conducted according to winching plan, manufacturer guidelines and workplace procedures |
| | 6.4 | Disabled vehicle is positioning in accordance with workplace procedures and customer requirements |
| 7 Finalise recovery operations | 7.1 | Routine inspection on recovery vehicle, fittings and equipment are conducted in accordance with workplace procedures and manufacturers specifications |
| | 7.2 | Malfunctions, faults, irregular performance and damage to vehicle or equipment are identified and reported promptly in accordance with workplace procedures (as required) |
| | 7.3 | Recovery vehicle and equipment are cleaned and serviced in accordance with workplace procedures and manufacturer guidelines, prior to standing down from operation |
| | 7.4 | Heavy vehicle recovery documentation is completed in accordance with regulatory 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 can be found in the TLI Transport and Logistics Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is not equivalent to TLIC4068 Operate heavy recovery ancillary equipment

This unit replaces and is not equivalent to TLIC4069 Operate heavy recovery vehicle

This unit replaces and is not equivalent to TLIC4070 Tow a disabled heavy vehicle.

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 TLIC0011 Conduct heavy vehicle recovery operations

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 and performance criteria on at least one occasion and include:

- applying precautions and required actions to minimise, control or eliminate identified hazards
- checking recovery equipment visually, and stowing appropriately
- conducting a pre-trip check of a heavy recovery vehicle
- identifying, interpreting and analysing risk assessment requirements relevant to the recovery work being performed
- modifying activities depending on operational contingencies, risk situations and environments
- monitoring and anticipating traffic hazards and taking appropriate action
- positioning vehicle correctly at an incident
- selecting and using required personal protective equipment (PPE) conforming to industry and work health and safety (WHS)/occupational health and safety (OHS) standards
- using eco-driving techniques when operating a heavy recovery vehicle
- using winching techniques to perform heavy vehicle recovery.

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:

- basic principles relevant to heavy recovery vehicle and equipment, including:
 - characteristics and capabilities of recovery vehicles and equipment
 - winching
- efficient driving techniques and eco-driving considerations
- factors that may cause traffic delays and diversions, and related actions that can be taken
- hazards associated with heavy vehicle recovery
- manufacturer specifications and guidelines for heavy recovery equipment, including winching
- mass and dimension legislation and effects on recovery operations
- recovery methods and winching procedures
- regulatory requirements for heavy recovery

- relevant state/territory roads and traffic authority road rules, regulations, permit and licence requirements
- relevant WHS/OHS and environmental procedures and regulations relating to operating heavy recovery vehicle
- techniques for driving safety when towing, with regard to mass and dimension, and other road users
- vehicle pre-trip checks and preparation
- workplace policies, procedures and documentation, including:
 - reporting procedures
 - risk assessment and hazard control procedures
 - routine inspection
 - winching plan
 - winching, hook-up and unhook up 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 heavy recovery vehicle in a workplace environment
- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, tools, equipment and PPE currently used in industry
- applicable documentation, including legislation, regulations, codes of practice, workplace procedures and operation manuals.

Simulation is not suitable for final assessment of this unit

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