



**Australian Government**

# **TLID4050 Discharge a dangerous goods tanker**

**Release: 1**

# TLID4050 Discharge a dangerous goods tanker

## 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 pump discharge a dangerous goods tanker.

It includes conducting pre-discharge activities, preparing for discharge, following discharge requirements and procedures, working at heights on a dangerous good tanker and finishing unloading.

This unit applies to those working in the road transport fuel/gas industry.

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

## Pre-requisite Unit

Not applicable.

## Competency Field

D – Load Handling

## Unit Sector

Not applicable.

## Elements and Performance Criteria

### ELEMENTS

Elements describe the essential outcomes.

#### **1 Conduct pre-discharge activities**

### PERFORMANCE CRITERIA

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

- 1.1 Delivery location is checked against site plan and delivery job sheet
- 1.2 Job hazards are identified and required action is taken to minimise, control or eliminate identified hazards

- 1.3 Tanker is positioned to enable discharging to be carried out in accordance with site procedures without injury to people or damage to property
- 1.4 Park brake is applied, engine turned is off and battery is isolated, as required
- 1.5 Personal protective equipment is used in accordance with site and organisational procedures
- 1.6 Site authority to proceed is obtained, as required, and followed in accordance with site organisational procedures
- 2 **Prepare for discharging**
  - 2.1 Delivery location is checked for hazards and set up, in accordance with regulatory requirements and organisational procedures
  - 2.2 Lids on spillbox are lifted and spillbox is drained of liquid
  - 2.3 Identification (ID) markers and tumblers are checked against safe discharge unload plan to verify load will fit, as required
  - 2.4 Hoses are removed from tanker and test date is checked
- 3 **Follow discharge requirements and procedures**
  - 3.1 Site product type, quantity and discharged quantity are checked to determine whether receiving vessel can accept to load, and discrepancies are rectified in accordance with organisational procedures
  - 3.2 Locations of emergency equipment and emergency procedures are identified before discharging commences
  - 3.3 Product transfer equipment is connected in accordance with regulatory and organisational requirements
  - 3.4 Internal valve is opened
  - 3.5 Checks are completed prior to commencing discharge, in accordance with organisational procedures
  - 3.6 Valve is fully opened and product is discharged safely, in accordance with regulatory and organisational requirements and site procedures
  - 3.7 Discharging process is monitored in accordance with regulatory requirements, and company and site procedures
  - 3.8 Tanks and compartments are changed in accordance with regulatory and organisational requirements and site

- procedures
- |                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>4 Work at heights on a dangerous tanker</b> | <p>4.1 Safety equipment is connected to tanker prior to ascending tanker ladders, as required, in accordance with safety regulations and site procedures</p> <p>4.2 Safety equipment is connected when operating on top of tanker, as required, in accordance with site and safety regulations</p> <p>4.3 Work is completed in accordance with regulatory and organisational requirements and site procedures</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>5 Finish unloading</b>                      | <p>5.1 All valves on tanker and receiving facility are closed and transfer equipment is secured in accordance with site procedures</p> <p>5.2 Site is re-dipped and readings are recorded on delivery documentation</p> <p>5.3 Site is restored to a clean and tidy condition in accordance with site procedures and site defects are reported</p> <p>5.4 Final safety inspection of tanker and site is conducted</p> <p>5.5 Tanker is moved from unloading area without damage to property or injury to people and in accordance with site procedures</p> <p>5.6 Delivery documentation is completed, checked and adjusted, and secured in tanker in accordance with regulatory and organisational requirements at completion of discharge</p> <p>5.7 Truck and tanker are checked to ensure correct placarding before departure</p> <p>5.8 Site plan is followed for exiting site</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 TLID4050A Discharge a dangerous goods tanker.

## 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 TLID4050 Discharge a dangerous goods tanker

## 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 correct methods for ascending and descending a tanker ladder
- completing documentation required for discharging a dangerous goods tanker including:
  - dangerous goods shipping documentation, current Australian Dangerous Goods (ADG) Code
  - transport regulations as they apply to the enterprise, including local authority regulations and procedures
  - relevant Australian Standards and certification requirements
  - workplace policies and procedures
  - relevant internal data entry books, including logbooks, data sheets and load sheets
- connecting transfer equipment
- identifying and interpreting containers and goods coding, markings and emergency information panels for mode of transport/storage selected
- reading and interpreting relevant instructions, procedures, information and signs
- using emergency equipment including:
  - emergency shutdown controls
  - evacuation controls
  - eye wash equipment and safety showers
  - fire extinguishers
  - spill control equipment
- using personal protective equipment and safety measures including:
  - chemical resistant gloves
  - communication devices
  - evacuation controls
  - high visibility clothing and safety vest
  - intrinsically safe, full cover protective clothing
  - safety headwear and footwear
  - safety glasses.

## 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:

- applicable legislative procedures and codes
  - current ADG Code
  - environmental protection legislation and regulations
  - fatigue management regulations
  - relevant state/territory roads and traffic authority driving regulations and licence or permit requirements for operating heavy vehicles on unsealed roads
  - road rules
  - work health and safety (WHS)/occupational health and safety (OHS) legislation
- characteristics of various classes of explosives and dangerous goods relevant to handling the class of explosives and dangerous goods concerned
- compatibility of various types of explosives and dangerous goods
- control operation
- relevant WHS/OHS and environmental procedures and regulations
- risks and hazards when loading, unloading and handling explosives and dangerous goods, and related precautions to control the risks
- workplace procedures and policies for loading and unloading explosives and dangerous goods.

## 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

Practical assessment must be in an appropriate vehicle such as:

- AB-Quad
- B-Double combinations

- B-Triple
- rigid vehicle
- road train combinations
- semi combinations
- truck and dog combinations.

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
- vehicle as listed above.

## Links

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