



Australian Government

TLID2021 Use specialised bulk transfer equipment (dry)

Release: 1

TLID2021 Use specialised bulk transfer equipment (dry)

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 use specialised bulk transfer equipment for dry materials in accordance with relevant state/territory regulations.

It includes planning work, transferring material, monitoring and operating controls, and completing all operations, as required.

Work is performed under general supervision.

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 Plan work

PERFORMANCE CRITERIA

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

- 1.1 Job hazards are identified and required action is taken to minimise, control or eliminate identified hazards
- 1.2 Dangerous or hazardous (including regulated waste) or other materials requiring specialised handling are identified, and relevant workplace procedures are taken into account when

planning work

- 1.3 Traffic flow and work area conditions are assessed and anticipated to ensure safe operation and no injury to people or damage to equipment, loads, facilities or environment
- 1.4 Load characteristics are taken into account when selecting method, equipment and appropriate attachments to transfer load, as required
- 1.5 Potential occurrences in work area that may affect the safety and efficiency of operations are reported to appropriate personnel
- 1.6 Bulk transfer of dry materials is planned, taking into account load requirements, transfer method, storage facility and transport mode, load weight, dimensions, and equipment capacity
- 1.7 Required personal safety equipment, signage, barriers and special precautions are identified in plan and utilised
- 1.8 Procedures to deal with spills, leakages and ruptures are identified
- 1.9 Customer requests for variation to agreed operations are actioned within scope of authority or referred to appropriate personnel

2 Transfer material

- 2.1 Equipment is prepared and appropriate attachment/s is fitted
- 2.2 Equipment controls are checked for correct operational status before commencing transfer
- 2.3 Adjustments are made to process, to accommodate special requirements such as temperature control, combustion
- 2.4 Instruments and gauges are monitored during operations to ensure operation is consistent with workplace procedures, manufacturer specifications, enterprise schedule and safety requirements
- 2.5 Speed of operation is managed for safety and efficiency of materials movement and equipment operations
- 2.6 Faults or damage to equipment are immediately reported to appropriate personnel

3 Monitor and operate

- 3.1 Equipment controls are monitored and operated in accordance with manufacturer operating instructions and

controls	workplace procedures
	3.2 Control systems are monitored to ensure operation is consistent with workplace procedures, manufacturer specifications, workplace schedule, safety requirements and statutory regulations
	3.3 Materials are moved ensuring no injury to personnel or damage to equipment or goods
	3.4 Faults are identified and reported in accordance with workplace procedures
4 Complete operations	4.1 Equipment is shut down in accordance with manufacturer guidelines, without injury to personnel or damage to equipment, loads or facilities in accordance with workplace procedures
	4.2 Clean up methods for transfer equipment are completed in accordance with workplace procedures
	4.3 Equipment is cleaned and secured in accordance with workplace procedures
	4.4 Documentation is completed and filed in accordance 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 Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to TLID2021A Use specialised bulk transfer equipment (dry).

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 TLID2021 Use specialised bulk transfer equipment (dry)

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 one occasion and include:

- applying precautions and required action to minimise, control or eliminate identified hazards
- applying relevant legislation and workplace procedures
- communicating and working effectively with others
- estimating mass, volume and special requirements of dry bulk products
- identifying and correctly using equipment required to transfer dry bulk product
- identifying goods coding, Australian Dangerous Goods (ADG) Code markings and emergency information panels
- implementing contingency plans
- monitoring equipment performance
- monitoring and prioritising work activities in terms of planned schedule and modifying activities depending on operational contingencies, risk situations and environments
- operating and adapting to differences in equipment in accordance with workplace operating procedures
- reading, interpreting and following 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 safety (WHS)/occupational health and safety (OHS) workplace procedures
- servicing equipment in terms of maintenance schedule and standard operating procedures
- working systematically with required attention to detail without injury to self or others, or damage to product 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:

- current ADG Code and relevant state/territory mass and loading regulations as they apply to vehicles transporting dry bulk product
- housekeeping standards and procedures
- methods of securing a vehicle following transfer of dry bulk product
- relevant regulatory, permit and licence requirements
- relevant WHS/OHS procedures and guidelines for using specialised bulk transfer equipment
- risks when transferring dry bulk product and related precautions to control the risk
- workplace procedures and policies for efficient use of specialised equipment to transfer dry bulk loads.

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 include:

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

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