



Australian Government

TLID0025 Apply requirements for the handling and transport of dangerous goods

Change log

Section

Comment (major change)

Title

Title changed to reflect amended unit content

Application

Updated to cover additional requirements

Pre-requisite Unit

No change

Elements and Performance
Criteria

Element 4 moved to element 2 and knowledge evidence strengthened

Performance criteria rewritten in active voice

Performance criteria reviewed and minor amendments with no change to unit outcomes

Additional element added to cover use of equipment and vehicles moved from TLIF2012

Foundation Skills

Foundation skills information about unit has been added to a new TLI Foundation Skills Companion Volume

Australian Core Skills Framework	Learning	Reading	Writing	Oral Comm	Numeracy
	3	3	2	2	3
Digital Skills (DigComp 3.0)					
Basic: CS3.4.04: Represent simple sequences symbolically, interpret simple symbolic sequences, and give basic instructions to a computer to perform simple tasks Basic: CS5.1.03: Identify common technical issues and follow instructions to help to solve them. Int: CS3.2.07: Modify or transform digital textual, numeric or visual representations to effectively and accurately convey the meaning of data and information.					

Range of Conditions

Removed. No longer a mandatory field

Performance Evidence

Performance Evidence reviewed, amended and updated to cover additional requirements

Knowledge Evidence

Knowledge Evidence reviewed, amended and updated to cover additional requirements

Assessment Conditions

No change

If no major change in any section

TLID0025 Apply requirements for the handling and transport of dangerous goods

Modification History

Release	Comments
1	This unit of competency was first released in TLI Transport and Logistics Training Package Release 17.0.

Application

This unit involves the skills and knowledge required to prepare for and transport dangerous goods in compliance with industry and regulatory requirements.

It includes checking dangerous goods load, assessing vehicle suitability to transport intended load, checking and using equipment and vehicles. It also covers checking emergency procedures and equipment, evaluating documented route plans, and completing required assessment process and documentation as part of work activities undertaken.

This is undertaken in accordance with relevant state/territory regulations for transporting dangerous goods, and applicable national regulation and codes

Work is performed under limited supervision.

Licensing/Regulatory Information

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

Pre-requisite unit(s)

Not applicable.

Competency field(s)

D - Load Handling

Unit sector(s)

Transport and Logistics

Elements and Performance Criteria

Elements	Performance criteria
----------	----------------------

Elements describe the essential outcomes.		Performance criteria describe the performance needed to demonstrate achievement of the element.	
1	Check dangerous goods (DG) load	1.1	Conduct risk assessment and apply control measures
		1.2	Compare load against transport documentation and note discrepancies
		1.3	Check load to ensure DG labels are correct and visible, containers are not damaged, non-compatible goods are segregated, and address any issues identified
		1.4	Assess load to ensure it is stowed, secured and protected in accordance with applicable DG regulation and codes
2	Verify vehicle, load and route compliance	2.1	Assess suitability of vehicle to carry designated load including, DG classification, and mass/configuration of load
		2.2	Check load restraint system/s for serviceability and appropriateness to secure designated load
		2.3	Ensure vehicle is placarded and marked in accordance with applicable DG regulation and codes
		2.4	Assess proposed route plan for potential difficulties and regulatory restrictions
3	Operate equipment/vehicle	3.1	Obtain, interpret and apply safety guidelines, codes of practice and workplace procedures applicable to equipment/vehicle
		3.2	Check safety equipment for serviceability and required quantities and types
		3.3	Operate equipment/vehicle safely in accordance with the applicable regulations, licence/permit requirements, codes and/or as directed by relevant authorities
		3.4	Perform handling and transport DG in accordance with applicable DG regulations and codes
		3.5	Follow procedures to minimise damage to equipment, facilities and the environment

4	Identify and explain emergency procedures and equipment	4.1	Identify and obtain emergency/incident information, regulation, procedures, codes and reporting requirements for each type of DG to be transported
		4.2	Identify safety, incident response, and personal protective equipment (PPE) requirements for designated load; obtain equipment and check for operational capability
		4.3	Explain DG incident reporting requirements, relevant organisations/agencies and applicable timeframes
		4.4	Explain emergency response procedures/ plan if a DG incident occurs during transit.
5	Verify, complete and store documentation	5.1	Verify all required documentation for DG transport, including permits and emergency information
		5.2	Complete and check documentation in accordance with workplace procedures
		5.3	Store shipping and other relevant documents in cabin in accordance with regulatory requirements

Foundation skills

Foundation Skills essential to successful completion of this unit are mapped to the Australian Core Skills Framework (ACSF) and the European Digital Competence Framework (DigComp 3.0). Further information is available in the TLI Training Package Foundation Skills Companion Volume.

Range of conditions

Not Applicable.

Assessment Requirements for TLID0025 Apply requirements for the handling and transport of dangerous goods

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 and include:

- preparing for transport of dangerous goods including:
 - identifying and controlling risks, including selecting and using PPE
 - identifying goods coding, placarding, markings and emergency information panels for mode of transport/storage selected
 - identifying characteristics and hazards of dangerous goods being handled
 - assessing operational suitability of equipment and vehicles for dangerous goods transportation
 - estimating mass, volume, weight, dimensions and special requirements of load
 - identifying and complying with applicable dangerous goods:
 - codes of practice
 - regulatory requirements
 - permits and/or licenses
 - site specific and workplace procedures
 - vehicle placarding/marketing requirements
 - work health safety (WHS)/occupational health and safety (OHS) standards
- using equipment and vehicles to handle and transport dangerous goods including:
 - applying risk control measures
 - identifying, selecting and using appropriate handling/transportation equipment, vehicles, personal protective equipment (PPE) and related procedures
 - operating and adapting to differences in handling and transportation equipment in accordance with workplace procedures
- maintaining workplace records and dangerous goods documentation.

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:

- regulations, codes, and workplace procedures applicable to handling, storage, and transport of dangerous goods

- WHS/OHS procedures and guidelines for transporting dangerous goods including the emergency management plan
- risks and issues related to handling, storage and transport of dangerous goods and control measures
- characteristics of various dangerous goods or hazardous substances and their implications for handling and transport
- compatibility of various types of dangerous goods or hazardous substances
- requirements and regulations for vehicles transporting dangerous goods including:
 - securing a vehicle following loading
 - permits
 - licences
 - insurance
 - mass and loading regulations
 - documentation (including storage of it)
- route planning including:
 - potential difficulties
 - regulatory restrictions
 - traffic flow and conditions
 - obstacles
 - tunnels
 - road standards and construction activities
- regulatory and workplace procedures for driving, parking, loading/unloading, disengaging and/or securing vehicle
- regulatory and workplace procedures for an incident including:
 - notification of relevant personnel and authorities
 - equipment used for containment, clean up or recovery
 - emergency response plans and guides
- workplace incident reporting system and employer responsibility to report incidents to relevant government authority
- procedures for reporting and rectifying identified problems in accordance with regulatory requirements and workplace procedures

Assessment Conditions

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 simulations
- relevant and appropriate materials, tools, equipment, vehicles, personal protective and emergency equipment currently used in industry
- applicable legislation, regulations, dangerous goods codes, emergency response documentation, workplace procedures and operation manuals.

Mandatory Workplace Requirements

Assessment of performance evidence may be in a workplace setting or an environment that accurately represents a real workplace.

Unit Mapping Information

Previous Code and Title	Equivalence	Comments
TLID0018 Prepare for transport of dangerous goods	Not equivalent	
TLIF2012 Apply safe procedures when handling/transporting dangerous goods or explosives	Not equivalent	

Links

Companion volumes, including implementation guides, are found on the national training register - <https://training.gov.au/training/details/TLI>.