



Australian Government

TLID0023 Load and unload explosives or dangerous goods

Change log

Section	Comment (major change)																								
Title	Minor change to reflect unit content																								
Application	Minor amendments to wording made																								
Pre-requisite Unit	No change																								
Elements and Performance Criteria	Element structure updated to better reflect content. Performance criteria rewritten in active voice Performance criteria reviewed and minor amendments with no change to unit outcomes																								
Foundation Skills	Foundation skills information about unit has been added to a new TLI Foundation Skills Companion Volume																								
	<table><tr><th>Australian Core Skills Framework</th><th>Learning</th><th>Reading</th><th>Writing</th><th>Oral Comm</th><th>Numeracy</th></tr><tr><td></td><td>4</td><td>3</td><td>2</td><td>2</td><td>2</td></tr><tr><td colspan="6">Digital Skills (DigComp 3.0)</td></tr><tr><td colspan="6">Basic: CS3.4.04: Represent simple sequences symbolically, interpret simple symbolic sequences, and give basic instructions to a computer to perform simple tasks Int: CS3.2.07: Modify or transform digital textual, numeric or visual representations to effectively and accurately convey the meaning of data and information.</td></tr></table>	Australian Core Skills Framework	Learning	Reading	Writing	Oral Comm	Numeracy		4	3	2	2	2	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 Int: CS3.2.07: Modify or transform digital textual, numeric or visual representations to effectively and accurately convey the meaning of data and information.					
Australian Core Skills Framework	Learning	Reading	Writing	Oral Comm	Numeracy																				
	4	3	2	2	2																				
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 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 and amended with no change to unit outcomes																								
Knowledge Evidence	Knowledge Evidence reviewed and amended with no change to unit outcomes																								
Assessment Conditions	Minor amendments to wording made																								
If no major change in any section	Text clarified without changing requirements																								

TLID0023 Load and unload explosives or 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 load and unload explosives or dangerous goods.

It includes identifying explosives or dangerous goods, loading and unloading explosives or dangerous goods, securing and protecting vehicle load, and checking vehicle to ensure it is correctly marked and load is secure. All work is completed in accordance with relevant Australian and state/territory regulations, including applicable dangerous goods regulation and codes, and mass and loading regulations.

Work is performed under limited or minimum 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	Assess explosives or dangerous goods for loading and unloading	1.1	Identify explosives or dangerous goods and determine appropriate handling, loading, storage and emergency procedures are based on their characteristics
		1.2	Conduct risk assessment for loading/unloading explosives and/or dangerous goods and apply control measures
		1.3	Assemble and segregate cargo for loading based on compatibility
		1.4	Identify vehicle and loading equipment suitable to handle load, transport explosives or dangerous goods, and applicable dangerous goods regulation and code requirements
		1.5	Identify personal protective equipment (PPE) required for type of explosives or dangerous goods being loaded/unloaded
2	Load/unload vehicle	2.1	Load/unload vehicle in accordance with applicable dangerous goods regulation codes and Load Restrain Guide
		2.2	Segregate load according to class, compatibility and subsidiary risk
		2.3	Check load distribution to ensure it is even, legal, within safe working capacity of vehicle, and compliant with applicable dangerous goods codes and mass and loading regulations
		2.4	Secure and protect load using correct equipment for different loads, vehicles and carriage conditions, and in accordance with legal and load restrain guide
		2.5	Clearly mark and/or placard vehicle to indicate carriage of explosives or dangerous goods in accordance with applicable dangerous goods regulation and codes
3	Inspect vehicle and complete documentation	3.1	Ensure loaded vehicle weight and dimensions are within vehicle carrying capacity and equipment capability; and that it is safely parked and secured
		3.2	Inspect and check vehicle to ensure there are no leaks or signs of damage

		3.3	Complete dangerous goods declaration and transportation documentation in accordance with and 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.

DRAFT

Assessment Requirements for TLID0023 Load and unload explosives or 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:

- Loading and unloading explosives or dangerous goods in compliance with applicable dangerous goods regulation and codes including:
 - identifying characteristics, size and shape of goods and applying any specific requirements
 - interpreting coding, markings and emergency information panels
 - identifying and controlling risks
 - selecting appropriate PPE
 - segregating cargo based on compatibility
 - securing and protecting load
 - checking and confirming vehicle and equipment suitability
 - inspecting loaded vehicle for leaks/damage and to ensuring it has correct markings and/or placards
 - completing required 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:

- Australian explosives and dangerous goods codes and state and/or territory regulations for identifying, handling, and marking explosives and/or dangerous goods
- State and/or Territory mass and loading regulations
- calculating load mass and dimensions
- risks assessment and control when loading, unloading, transferring, decanting and handling explosives or dangerous goods
- WHS/OHS procedures and guidelines for lifting and moving loads
- identifying and interpreting containers and goods coding, markings and emergency information panels for mode of transport and/or storage selected
- characteristics of various classes of explosives and dangerous goods relevant to handling and transport
- compatibility of various types of explosives and dangerous goods

- methods of placarding or marking a vehicle carrying explosives and dangerous goods
- methods of securing and protecting different dangerous goods load types
- procedures for final load checks before transit
- emergency, incident or accident procedures when loading or unloading explosives or dangerous goods
- documentation requirements

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 vehicle, materials, tools, equipment and PPE currently used in industry
- applicable legislation, regulations, dangerous goods codes 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
TLID0014 Load and unload explosives/dangerous goods	Equivalent	

Links

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