



Australian Government

TLIA2050 Lash and unlash cargo and containers

Release: 1

TLIA2050 Lash and unlash cargo and containers

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 lash and unlash cargo and containers in compliance with relevant regulations and workplace requirements in the stevedoring, transport, distribution and allied industries.

It includes preparing to lash and unlash cargo and containers, implementing the container lashing plan, and completing lashing and unlash operations.

Work is performed under some supervision generally within a team environment.

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

Pre-requisite Unit

Not applicable.

Competency Field

A – Handling Cargo/Stock

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to lash and unlash cargo and containers

PERFORMANCE CRITERIA

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

- 1.1 Work area and safety zones are prepared and maintained in accordance with national standards, safety codes and site operating procedures
- 1.2 Work area hazards are identified and corrective action is taken prior to commencing lashing and unlash operations

- 1.3 Relevant information and documentation are identified and accessed
- 1.4 Appropriate personal protective equipment, lashing equipment and fittings are selected and used
- 1.5 Work cage and/or working at height (WAH) requirements are identified and appropriate WAH equipment is selected
- 1.6 Marks, numbers and/or codes are used to identify cargo and containers
- 1.7 Cargo is sorted and stacked in correct location in accordance with national standards, safety codes and site operating procedures
- 1.8 Containers are stowed in accordance with stowage plan, and reefer containers are identified and connected in accordance with ship procedures, national standards and safety codes
- 1.9 Damaged cargo and containers are identified, reported and dealt with in accordance with site operating procedures
- 1.10 Potential unsafe work practices and/or equipment are reported to appropriate personnel

2 Implement cargo and container lashing and unlash procedures

- 2.1 Cargo or container lashing and unlash plan is accessed and read, and potential issues are clarified with supervisor
- 2.2 Procedures for managing and controlling hazardous situations when carrying out work activities are implemented
- 2.3 Safety procedures and safety zones are implemented when working with mobile equipment and cranes in accordance with national standards, safety codes and site operating procedures
- 2.4 Work is conducted in accordance with industry standards, statutory requirements, safety codes, site operating requirements, cargo and container requirements
- 2.5 Work cage and/or WAH is completed in accordance with national standards, safety codes and site procedures
- 2.6 Appropriate and effective communication is maintained in work area

- 2.7 Cargo and container are lashed and unlash in accordance with site procedures, and cargo and containers are lashed and unlash in accordance with lashing and unlash plan
 - 2.8 Correct manual handling techniques are used when lashing and unlash cargo and containers
 - 2.9 Identified problems, faults and malfunctions are promptly reported and/or rectified in accordance with regulatory requirements and workplace procedures
 - 2.10 Contingency plans are implemented as required
- 3 Complete cargo and container lashing and unlash operations**
- 3.1 Cargo and container are covered and uncovered safely ensuring appropriate covering and lashing, no injury to persons in work area or damage to cargo, container and equipment
 - 3.2 Lashing equipment and tools are cleared from work area and placed in designated storage areas
 - 3.3 All safety equipment and radios are returned to designated area
 - 3.4 Relevant documentation is completed and filed in accordance with site operating 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 TLIA2050A Lash and unlash cargo and containers.

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 TLIA2050 Lash and unlash cargo and containers

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, performance criteria on at least one occasion and include:

- applying appropriate fatigue management techniques as required
- applying precautions and required action to minimise, control or eliminate identified hazards
- being aware of own ability and limits to rectify irregularities or faults
- communicating effectively with others
- fastening tensioners securely
- identifying and correctly using relevant equipment
- identifying cargo, containers and goods, Australian Dangerous Goods (ADG) Code and International Maritime Dangerous Goods (IMDG) Code markings and emergency information panels
- identifying lashing points
- maintaining tight stow of cargo
- modifying activities depending on operational contingencies, risk situations and environments
- monitoring and prioritising work activities in terms of planned schedule
- operating and adapting to differences in cargo and container lashing and unlash equipment in accordance with standard operating procedures
- reading, interpreting and following relevant instructions, procedures, information and signs
- receiving, acknowledging and sending messages with available communications equipment
- releasing fittings, and disconnecting and removing them from cargo
- securing cargo to lashing points ensuring correct spread of lashings and that lashings are secured, attached and tensioned
- selecting and using required:
 - personal protective equipment conforming to industry and work health and safety (WHS)/occupational health and safety (OHS) standards
 - work cage and/or working at height (WAH) personal protective equipment conforming to industry and WHS/OHS standards
- using appropriate fittings and lashing equipment for each lashing point

- working systematically with required attention to detail and without injury to self or others, or damage to goods 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, performance criteria and include knowledge of:

- basic fatigue management techniques
- cargo and container marking and numbering systems
- operation of work systems, equipment, management and site operating systems for lashing and unlash cargo and containers
- problems that may occur and appropriate action that can be taken to resolve them
- relevant Australian and international standards, codes of practice and regulations required to perform the job requirements relating to this unit, including:
 - ADG Code
 - Australian and international explosives Codes
 - IMDG Code
 - International Air Transport Association (IATA) Dangerous Goods Regulations (DGR)
 - Marine Orders
- relevant WHS/OHS and environmental procedures and regulations
- relevant workplace procedures and policies.

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 lashing and unlash cargo and containers can be demonstrated. 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 access to:

- a range of relevant exercises, case studies and/or simulations
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals, including:
 - ADG Code
 - Australian and international explosives Codes
 - IMDG Code
 - IATA DGR
 - Marine Orders
- personal protective clothing and equipment, including:
 - fall arrest safety harness
 - gloves
 - high visibility clothing
 - protective clothing
 - safety glasses
 - safety headwear and footwear
- relevant materials, tools and equipment currently used in industry, including:
 - chains
 - chocks
 - fibre ropes
 - lashing bars
 - racks
 - twistlocks
 - turnbuckles
 - webbing straps and ratchets
 - wire ropes.

Links

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