



Australian Government

TLIA0012 Lash and unlash cargo

Release: 1

TLIA0012 Lash and unlash cargo

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 cargos in compliance with relevant regulations and workplace requirements in the stevedoring, transport, distribution and logistics industries.

It includes preparing to lash and unlash cargo, implementing the cargo 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

Stevedore sector.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to lash and unlash cargo

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 workplace 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 (PPE), 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 Cargo is identified using markings and labels

1.7 Cargo is sorted and stacked in correct location in accordance with national standards, safety codes and workplace procedures

1.8 Cargos is stowed in accordance with stowage plan and reefer containers are identified, connected and disconnected in accordance with ship procedures, national standards and safety codes

1.9 Damaged cargo is identified, reported and dealt with in accordance with workplace procedures

1.10 Potential unsafe work practices and/or equipment are reported to appropriate personnel

2 Implement cargo 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 Work area is constantly monitored for hazards and risk control measures 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 workplace procedures

2.4 Work is conducted in accordance with industry standards, statutory requirements, safety codes, workplace procedures and cargo requirements

2.5 Working at heights is completed in accordance with codes of practice and workplace procedures

2.6 Effective communication method is used in accordance

- with workplace procedures
- 2.7 Cargo are lashed and unlash in accordance with workplace procedures and cargo are lashed and unlash in accordance with lashing and unlash plan
 - 2.8 Correct manual handling techniques are used when lashing and unlash cargo
 - 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 lashing and unlash operations**
- 3.1 Cargo 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 Safety equipment, radios, lashing equipment and tools are inspected and returned to designated storage areas
 - 3.3 Relevant documentation is completed and filed in accordance with 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.

Unit Mapping Information

This unit replaces and is equivalent to TLIA2050 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 TLIA0012 Lash and unlash cargo

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
- 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 lashing and unlash equipment in accordance with workplace 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 (PPE) in accordance with workplace procedures
 - work cage and/or working at height (WAH) PPE in accordance with workplace procedures
- 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 and performance criteria and include knowledge of:

- cargo marking and numbering systems
- cargo, including:
 - break bulk
 - containers
 - liquids
 - machinery
 - out-of-gauge cargo
 - project cargo
 - steel products
 - vehicles
- operation of work systems, equipment, management and site operating systems for lashing and unlash cargo
- problems that may occur and appropriate actions that can be taken to resolve them
- relevant Australian and international standards, codes of practice, legislation and regulations required to perform the job requirements relating to this unit
- relevant WHS/OHS and environmental procedures and regulations
- relevant workplace policies and procedures related to:
 - ADG Code
 - Australian and international explosives Codes
 - Biosecurity Act and regulations
 - IMDG Code
 - International Air Transport Association (IATA) Dangerous Goods Regulations (DGR)
 - Marine Orders.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where lashing and unlash cargo 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 must include:

- relevant materials, tools, power source, reefer unit and PPE
- applicable documentation, including workplace procedures, regulations, codes of practice and operation manuals.

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