



Australian Government

Department of Education, Employment and Workplace Relations

TLIA107C Secure cargo

Release: 1

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Modification History

Not applicable.

Unit Descriptor

This unit involves the skills and knowledge required to secure cargo including preparing to secure cargo/containers, lashing and unlash cargo, protecting cargo from weather, and packing and unpacking cargo. It may apply in cargo securing contexts in the stevedoring, transport, distribution and allied industries.

Application of the Unit

Work must be carried out in compliance with the relevant regulations and workplace requirements concerning the securing of cargo.

Work is performed under some supervision generally within a team environment. It involves the application of workplace procedures and regulatory requirements to the securing of cargo as part of work activities in the stevedoring, transport, distribution and allied industries.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

The required outcomes described in this unit of competency contain applicable facets of Employability Skills. The Employability Skills Summary of the qualification in which this competency is packaged will assist in identifying employability skill requirements.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the required performance needed to demonstrate achievement of the element. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

Elements and Performance Criteria

Element	Performance Criteria
1 Prepare to secure cargo/containers	1.1 Work area is prepared and maintained in accordance with the national standards, safety codes and site operating procedures 1.2 Unsafe work practices and/or equipment are reported to appropriate personnel 1.3 Appropriate protective clothing, equipment and fittings are selected 1.4 Formwork is erected where no lashing points exist 1.5 Lashing plan is read and interpreted
2 Lash and unlash cargo	2.1 Work is conducted in accordance with industry standards, statutory requirements, safety codes, site operating requirements and any special requirements of the cargo 2.2 Lashing points are identified and appropriate fittings and lashing equipment are used for each lashing point 2.3 Cargo is lashed and secured to lashing points ensuring the correct spread of lashings and that lashings are secured, attached and tensioned 2.4 Tensioners are securely fastened 2.5 When unlash, fittings are released, disconnected and removed from the cargo 2.6 Lashing equipment is placed in designated storage areas or cleared from work area 2.7 Lashing/unlashing operations ensure no injury to personnel or damage to machinery or cargo 2.8 Lashing is completed in accordance with lashing plan

- 3 **Protect cargo from weather**
 - 3.1 Cargo is covered/uncovered safely ensuring appropriate covering and lashing, no injury to personnel or damage to cargo or equipment
 - 3.2 Work is conducted in accordance with the requirements of national standards, safety codes and site operating procedures
- 4 **Pack and unpack cargo**
 - 4.1 Damaged cargo is identified and reported following enterprise procedures
 - 4.2 Cargo is sorted and stacked prior to packing or after unpacking, ensuring the stack is in the correct location, in accordance with national standards, safety codes, and site operating procedures
 - 4.3 Cargo is identified through the interpretation of marks or numbers
 - 4.4 Tight stow of cargo is maintained
 - 4.5 Cargo is handled ensuring no injury to personnel or damage to cargo or equipment

Required Skills and Knowledge

REQUIRED KNOWLEDGE AND SKILLS

This describes the essential knowledge and skills and their level required for this unit.

Required knowledge:

Procedures for managing and controlling hazardous situations when carrying out work activities

The marking and numbering systems for cargo

Problems that may occur when securing cargo or freight and appropriate action that can be taken to resolve the problems

Focus of operation of work systems, equipment, management and site operating systems for the securing of cargo or freight

Workplace procedures and policies for the securing of cargo or freight

Australian and international standards, codes and regulations relevant to the securing of cargo or freight including the Australian and International Dangerous Goods Codes

Relevant bond, quarantine or other legislative requirements

Relevant handling and safety codes

Relevant OH&S and environmental procedures and regulations

Required skills:

Communicate effectively with others when securing cargo or freight

Read and interpret instructions, procedures, information and labels relevant to securing cargo or freight

Identify cargo, container and goods, coding, ADG and IMDG markings and where applicable emergency information panels

Interpret and follow operational instructions and prioritise work

Receive, acknowledge and send messages with available communications equipment

Complete documentation related to the securing of cargo or freight

Work collaboratively with others when securing cargo or freight

Adapt appropriately to cultural differences in the workplace, including modes of behaviour

and interactions with others

Promptly report and/or rectify any identified problems, faults or malfunctions in accordance with regulatory requirements and workplace procedures

Implement contingency plans for unplanned events

Apply precautions and required action to minimise, control or eliminate hazards that may exist during work activities

Monitor work activities in terms of planned schedule

Modify activities depending on differing operational contingencies, risk situations and environments

Apply fatigue management knowledge and techniques

Work systematically with required attention to detail without injury to self or others, or damage to goods or equipment

Identify, select and use relevant equipment, processes and procedures when securing cargo or freight

Operate and adapt to differences in cargo handling equipment in accordance with standard operating procedures

Use the lashing and protection equipment

Select and use required personal protective equipment conforming to industry and OH&S standards

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required knowledge and skills, the range statement and the assessment guidelines for this Training Package.

Critical aspects for assessment and evidence required to demonstrate competency in this unit

The evidence required to demonstrate competency in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria of this unit and include demonstration of applying:

the underpinning knowledge and skills

relevant legislation and workplace procedures

other relevant aspects of the range statement

Context of and specific resources for assessment

Performance is demonstrated consistently over a period of time and in a suitable range of contexts

Resources for assessment include:

a range of relevant exercises, case studies and other simulated practical and knowledge assessment, and/or

access to an appropriate range of relevant operational situations in the workplace

In both real and simulated environments, access is required to:

relevant and appropriate materials and/or equipment, and/or

applicable documentation including workplace procedures, regulations, codes of practice and operation manuals

Method of assessment

Assessment of this unit must be undertaken by a registered training organisation

As a minimum, assessment of knowledge must be conducted through appropriate written/oral tests

Practical assessment must occur:

through appropriately simulated activities at the registered training organisation, and/or

in an appropriate range of situations in the workplace

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance.

Work may be conducted:	in a range of work environments by day or night
Customers may be:	internal or external
Workplaces may comprise :	large, medium or small worksites
Work may be conducted in:	limited or restricted spaces exposed conditions controlled or open environments at height in a workbox or workcage
Cargo may include:	goods with specialist requirements, including temperature controlled goods and dangerous goods
Lashing equipment for containers may include:	twistlocks pelican hooks lashing rods (bars) turn handles (keys) bottle screws bridging clamps cones
Securing equipment may include:	chocks racks lashings ropes chains
Covers may include:	rain and dust covers
Hazards in the work area may include exposure to:	chemicals dangerous or hazardous substances

	movements of equipment, goods and materials
Personnel in work area may include:	workplace personnel site visitors contractors official representatives
Personal protective equipment may include:	gloves safety headwear and footwear safety glasses two-way radios protective clothing high visibility clothing full arrest safety harness
Communication in the work area may include:	phone radio oral, aural or signed communications
Depending on the type of organisation concerned and the local terminology used, workplace procedures may include:	company procedures enterprise procedures organisational procedures established procedures
Information/documents may include:	goods identification numbers and codes manifests, bar codes, and container identification/serial number Australian and international codes of practice and regulations relevant to the securing of cargo Australian and international regulations and codes of practice for the handling and transport of dangerous goods and hazardous substances operations manuals, job specifications and induction documentation manufacturers specifications for equipment workplace procedures and policies

Applicable regulations and legislation may include:

supplier and/or client instructions
dangerous goods declarations and material
safety data sheets (where applicable)
award, enterprise bargaining agreement,
other industrial arrangements
relevant Australian standards and
certification requirements
quality assurance procedures
emergency procedures

relevant codes and regulations for the
securing of cargo

Australian and international regulations and
codes of practice for the handling and
transport of dangerous goods and hazardous
substances, including:

Australian and International Dangerous
Goods Codes

Australian Marine Orders and the
International Maritime Dangerous Goods
Code

IATA Dangerous Goods by Air regulations

Australian and International Explosives
Codes

licence, patent or copyright arrangements
water and road use and licence arrangements
export/import/quarantine/bond requirements
marine orders

relevant Australian standards and
certification requirements

relevant state/territory OH&S and
environmental protection legislation

workplace relations regulations

workers compensation regulations

Unit Sector(s)

Not applicable.

Competency Field

A - Handling Cargo/Stock