



Australian Government

Department of Education, Employment and Workplace Relations

TLID707C Prepare cargo for transfer with slings

Release: 1

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Modification History

Not applicable.

Unit Descriptor

This unit involves the skills and knowledge required to prepare cargo for transfer with slings in accordance with workplace requirements and relevant regulatory requirements, including preparing for transfer of cargo, calculating Safe Working Load (SWL) or Working Load Limit (WLL) of slings and loads, slinging cargo and unslinging cargo, and strapping and unstrapping goods.

Application of the Unit

Work must be carried out in accordance with codes/regulations and workplace requirements relevant to the preparation of cargo for transfer with slings.

Safety checks and equipment tests are performed under limited supervision.

Work involves the application of regulatory requirements and workplace procedures to the preparation of cargo for transfer with slings in the stevedoring, transport, warehousing, distribution and/or storage 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 for transfer of cargo	1.1 Working area is prepared and maintained in accordance with national standards and safety codes and site operating procedures 1.2 Unsafe work practices and/or faulty equipment is reported in accordance with enterprise procedures 1.3 Correct protective equipment is identified and worn
2 Calculate Safe Working Load or Working Load Limit of slings and loads	2.1 Safe Working Load (SWL) or Working Load Limit (WLL) is calculated using standardised formulae for different types of lifting cables 2.2 Lifting equipment is checked to determine the safe working load 2.3 Slings gear is checked for conformity with safety equipment
3 Sling cargo and unslung cargo	3.1 Cargo is slung/unslung in accordance with national standards, safety codes and site operating procedures 3.2 Correct securing devices are identified and used 3.3 Load is steadied by tag lines as required 3.4 Damaged cargo is identified and reported in accordance with enterprise procedures 3.5 Slings attachments are released from load ensuring no injury to personnel or damage to machinery or cargo
4 Strap and unstrap goods	4.1 Cargo is strapped and unstrapped in accordance with national standards, safety codes and site operating procedures 4.2 Mechanical strapping equipment is used in accordance with manufacturers instructions 4.3 Damaged cargo is identified and reported in accordance with enterprise reporting procedures

- 4.4 Strapping arrangements are secured/released to/from load ensuring no injury to personnel or damage to machinery or cargo

Required Skills and Knowledge

REQUIRED KNOWLEDGE AND SKILLS

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

Required knowledge:

Regulations relevant to the transfer of cargo with slings, including, where relevant, the Australian Dangerous Goods Code and relevant bond, quarantine or other legislative requirements

Relevant OH&S and environmental protection procedures and guidelines

Workplace procedures and policies for the transfer of cargo with slings

Focus of operation of work systems, equipment, management and site operating procedures for the transfer of cargo with slings

Cargos potential for toxicity, reactivity, material grade, type and purpose including information from relevant material safety data sheets and Australian Dangerous Goods Code documentation (where applicable)

Gear and equipment used during the transfer of cargo with slings and the precautions and procedures that should be followed in their use

Problems that may occur when preparing cargo for transfer with slings and appropriate action that can be taken to resolve the problems

Documentation and record requirements

Housekeeping standards procedures required in the workplace

Site layout and obstacles

Required skills:

Communicate effectively with others when preparing cargo for transfer with slings

Read and interpret instructions, procedures, information and signs relevant to the preparation of cargo for transfer with slings

Interpret and follow operational instructions and prioritise work

Complete documentation related to the preparation of cargo for transfer with slings

Operate electronic communication equipment to required protocol

Work collaboratively with others when preparing cargo for transfer with slings

Adapt appropriately to cultural differences in the workplace, including modes of behaviour and interactions with others

Promptly report and/or rectify any identified problems that may occur when preparing cargo for transfer with slings in accordance with regulatory requirements and workplace procedures

Plan own work including predicting consequences and identifying improvements

Implement contingency plans for unanticipated situations that may arise when preparing cargo for transfer with slings

Apply precautions and required action to minimise, control or eliminate hazards that may exist during the preparation of cargo for transfer with slings

Monitor work activities in terms of planned schedule

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

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

Select and use relevant gear and equipment when preparing cargo for transfer with slings

Use balance points and estimate weights in setting up loads to be shifted

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

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 even or uneven surfaces wet or dry surfaces
Slinging gear may include:	fibre ropes wire ropes chains webbing slings
Hazards in the work area may include exposure to:	chemicals and fumes dangerous or hazardous substances stationary and moving machinery, goods, materials and vehicular traffic contamination of, or from, materials being handled service lines spills, leakages and ruptures dust/vapours faulty gear/equipment/tools
Requirements for work may include:	site restrictions and procedures use of safety and personal protective equipment communications equipment specialised lifting and/or handling equipment

	<ul style="list-style-type: none">additional gear and equipmentnoise restrictionshours of operationsauthorities and permits
Consultative processes may involve:	<ul style="list-style-type: none">workplace personnel including supervisors and managersequipment manufacturers and supplierssite visitors and contractorsunion representatives, industrial relations and OH&S specialistsother professional or technical staff
Communication in the work area may include:	<ul style="list-style-type: none">phonefaxemailinternetRF communicationsbar code readersoral, aural or signed communications
Personal protective equipment may include:	<ul style="list-style-type: none">glovessafety headwear and footwearsafety glassestwo-way radiosrespirators and fume masksprotective clothinghigh visibility clothing
Depending on the type of organisation concerned and the local terminology used, workplace procedures may include:	<ul style="list-style-type: none">company proceduresenterprise proceduresorganisational proceduresestablished procedures
Information/documents may include:	<ul style="list-style-type: none">workplace procedures and policies for the preparation of cargo for transfer with slingsgoods identification numbers and codesmanifests, bar codes, goods and container

identification/serial number
manufacturers specifications
equipment identification labels, bar codes
and serial numbers
supplier and/or client instructions
relevant OH&S requirements and policies
relevant Australian standards and
certification requirements including
Australian Standard on wire rope, chain and
webbing slings
material safety data sheets where applicable
codes of practice including the National
Standards for Manual Handling and the
Industry Safety Code
relevant legislation, regulations and related
documentation including the ADG Code
(where applicable)
award, enterprise bargaining agreement and
other industrial arrangements
quality assurance procedures
emergency procedures

Applicable regulations and legislation may
include:

relevant codes and regulations pertaining to
the transfer of cargo with slings
relevant state/territory OH&S legislation
relevant state/territory environmental
protection legislation
relevant Australian standards and
certification requirements, including
Australian Standard 2359 - Industrial Truck
Code
licence, patent or copyright arrangements
water and road use and licence arrangements
export/import/quarantine/bond requirements
workplace relations regulations including
equal opportunity, equal employment
opportunity and affirmative action legislation
workers compensation regulations

Unit Sector(s)

Not applicable.

Competency Field

D - Load Handling