



Australian Government

Department of Education, Employment and Workplace Relations

TLID1207C Operate specialised load shifting equipment

Release: 1

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Modification History

Not applicable.

Unit Descriptor

This unit involves the skills and knowledge required to operate specialised load shifting equipment in accordance with workplace requirements and relevant regulatory requirements, including planning work for the current working conditions; using controls and equipment operating systems to manage movement of the unit and accessory operations; locating load and identifying load characteristics; moving materials and loads; monitoring and operating controls; and stopping, parking and securing equipment after operation.

Application of the Unit

Work must be carried out in accordance with codes, regulations, licence and/or permit and workplace requirements relevant to operation of the specialised load shifting equipment concerned.

Safety checks and equipment tests are performed under limited supervision.

Work involves the application of regulatory requirements and workplace procedures to the operation of specialised load shifting equipment 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 Plan work for the current working conditions	1.1 Traffic flow and work area conditions are constantly assessed and anticipated to allow safe operation to ensure no injury to people, or damage to equipment, loads or facilities 1.2 Characteristics of the load are taken into account to ensure that, where applicable, appropriate attachments are used to transport the load 1.3 Any occurrences in the work area that may affect the safety and efficiency of operations are reported to the appropriate personnel
2 Use controls and equipment operating systems to manage movement of the unit and accessory operations	2.1 Equipment is prepared and any appropriate attachment fitted 2.2 Gear and operational levers are checked to ensure that they are in the neutral position prior to inserting ignition key and starting engine 2.3 Engine is started in accordance with manufacturers guidelines to bring the engine to speed 2.4 Instruments and gauges are monitored during start-up and operations to ensure that operation is within manufacturers specifications and enterprise safety requirements 2.5 Engine power is managed for efficiency of equipment movement and economy of equipment operations 2.6 Equipment operations are conducted within the manufacturer's specified torque range 2.7 Any faults or damage to equipment are immediately reported to the appropriate personnel

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| 3 Locate load and identify load characteristics | <ul style="list-style-type: none">3.1 Load is located and identified according to instructions3.2 Loading and unloading plans are followed to ensure efficiency and safety of operations3.3 Characteristics of the load are taken into account to ensure that appropriate loading and unloading procedures are followed3.4 Hazardous goods are identified and relevant procedures are taken into account when planning and conducting the work3.5 Load weight and dimensions are within the capacity of the equipment |
| 4 Move materials and loads | <ul style="list-style-type: none">4.1 Equipment is manoeuvred and positioned using smooth and controlled movements4.2 Manoeuvres are within the limits of the equipment and in line with manufacturers specifications4.3 Materials are moved ensuring no injury to personnel or damage to equipment or goods |
| 5 Monitor and operate controls | <ul style="list-style-type: none">5.1 Equipment controls are monitored and operated in accordance with manufacturers operating instructions5.2 Control systems are understood and acted upon in accordance with statutory authority regulations, manufacturers guidelines and site operating procedures5.3 Control faults are identified and reported in accordance with manufacturers instructions and workplace guidelines |
| 6 Stop, park and secure equipment | <ul style="list-style-type: none">6.1 Equipment is brought to a controlled halt within manufacturers guidelines6.2 Equipment is parked without injury to personnel or damage to equipment, loads or facilities in accordance with company procedures6.3 Equipment is secured on a flat, even surface and not close to doorways, aisles, access-ways or blind corners and in accordance with securing procedures |

for the appropriate 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:

Regulations relevant to the operation of specialised load shifting equipment, including, where relevant, the ADG Code and relevant bond, quarantine or other legislative requirements

Relevant OH&S and environmental protection procedures and guidelines

Workplace procedures and policies for the operation of the specialised load shifting equipment

Focus of operation of work systems, equipment, management and site operating systems for the operation of the specialised load shifting equipment

The purpose, characteristics, capabilities, requirements and limitations of the specialised load shifting equipment

Conveyed materials' potential for toxicity, reactivity, material grade, type and purpose including information from relevant material safety data sheets and ADG Code documentation (where applicable)

Problems that may occur when operating specialised load shifting equipment and appropriate action that can be taken to resolve the problems

Operational safety requirements and precautions for the specialised load shifting equipment concerned

Documentation and record requirements

Housekeeping standards procedures required in the workplace

Site layout and obstacles

Relevant permit and licence requirements

Required skills:

Communicate effectively with others when operating specialised load shifting equipment

Read and interpret instructions, procedures, information and signs relevant to work activities

Interpret and follow operational instructions and prioritise work

Complete documentation related to the operation of specialised load shifting equipment

Operate electronic communication equipment to required protocol

Work collaboratively with others when operating specialised load shifting equipment

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 that may arise when operating specialised load shifting equipment in accordance with regulatory requirements and workplace procedures

Implement contingency plans for unexpected events when operating specialised load shifting equipment

Apply precautions and required action to minimise, control or eliminate hazards that may exist during the operation of specialised load shifting equipment

Plan own work including predicting consequences and identifying improvements

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

Select and use relevant gear and accessories when operating specialised load shifting equipment

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

Monitor performance of specialised load shifting equipment and take appropriate action where required

Service equipment in terms of maintenance schedule and standard operating procedures

Check and replenish fluids and carry out lubrication processes in the course of work activities

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 holds on ships exposed conditions controlled or open environments even or uneven surfaces wet or dry surfaces
Equipment may include:	reach stackers straddle trucks excavators front-end loaders (over 10 tonne) bulldozers (both in transport and shipping terminals and in the holds of ships) straddle carriers
Requirements for work may include:	site restrictions and procedures use of safety and personal protective equipment communications equipment specialised lifting and/or handling equipment additional gear and equipment noise restrictions hours of operations authorities and permits
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
Consultative processes may involve:	workplace personnel including supervisors and managers
	equipment manufacturers and suppliers
	site visitors and contractors
	union representatives, industrial relations and OH&S specialists
	other professional or technical staff
Communication in the work area may include:	phone
	fax
	email
	internet
	electronic data interchange (EDI)
	RF communications
	bar code readers
	oral, aural or signed communications
Personal protective equipment may include:	gloves
	safety headwear and footwear
	safety glasses
	two-way radios
	respirators and fume masks
	protective clothing
	high visibility clothing
Depending on the type of organisation concerned and the local terminology used, workplace procedures may include:	company procedures
	enterprise procedures
	organisational procedures

Information/documents may include:

established procedures

workplace procedures and policies for the operation of the specialised load shifting equipment concerned

goods identification numbers and codes

manifests, picking slips, merchandise transfers, stock requisitions and bar codes

manufacturers specifications for equipment/tools

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

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

award, enterprise bargaining agreement and other industrial arrangements

quality assurance procedures

emergency procedures

Applicable regulations and legislation may include:

relevant codes, regulations and licence/permit requirements pertaining to the operation of the specialised load shifting equipment concerned including the ADG Code (where applicable)

relevant state/territory OH&S legislation

relevant state/territory environmental protection legislation

relevant Australian standards and certification requirements

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