



Australian Government

Department of Education, Employment and Workplace Relations

MEM11022B Operate fixed/moveable load shifting equipment

Release: 1

MEM11022B Operate fixed/moveable load shifting equipment

Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit covers conducting routine operation and safety checks of fixed/moveable load shifting equipment, picking up loads, shifting and placing loads.
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Application of the Unit

Application of the unit	This unit applies to the operation of fixed/moveable load shifting equipment within the limits of manufacturers' recommended procedures and safe working loads. It applies to load shifting/lifting activities where knowledge of codes and signals is not required. When using dedicated lifting equipment or devices where decisions regarding loads and methods of attachment are not required, Unit MEM11011B (Undertake manual handling) should be selected. Awareness of licensing requirements - licenses may be required for fixed/moveable load shifting equipment in some jurisdictions. Band: A Unit Weight: 4
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Licensing/Regulatory Information

Refer to Application of the Unit

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Conduct routine operation and safety checks of load shifting equipment	1.1. Operational principles of fixed/moveable load shifting equipment are understood. 1.2. Routine pre-operational checks are undertaken in accordance with manufacturers' specifications and regulatory safety requirements. 1.3. Non-compliance with specifications is reported using standard operating procedures.
2. Pick up loads	2.1. Appropriate load shifting device is selected for the load and shifting requirements. 2.2. Load shifting device is operated within design specifications and safe working load. 2.3. Load is lifted/rolled, ensuring balance, vision of operation, safety of personnel and protection of load.
3. Shift loads	3.1. Where required, load is moved at an appropriate and safe speed using a safe and efficient path. 3.2. Path of movement is monitored for obstacles and hazards during shifting process.
4. Place loads	4.1. Loads are lowered at an appropriate and safe rate. 4.2. Loads are placed to ensure stability, protection of material and avoidance of hazards on site.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

Look for evidence that confirms skills in:

- reading and interpreting routine information on instructions, specifications, load charts and standard operating procedures. May include simple drawings
- selecting and operating appropriate load shifting device
- communicating with others about movement of equipment
- checking and clarifying task-related information
- identifying the safe working load in relation to the capacity of the crane and lifting gear
- following oral instruction

REQUIRED SKILLS AND KNOWLEDGE

- safely lifting, moving and placing loads

Required knowledge

Look for evidence that confirms knowledge of:

- operational principles of fixed/moveable load shifting equipment
- pre-operational checks
- loads and lifting attachments
- load chart and safe working loads (SWL)
- awareness of licensing requirements
- load protection
- operational environment
- appropriate permits
- use and application of personal protective equipment
- safe work practices and procedures
- hazards and control measures associated with operating fixed/moveable load shifting equipment

Evidence Guide

EVIDENCE GUIDE

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

Overview of assessment

A person who demonstrates competency in this unit must be able to operate fixed/moveable load shifting equipment to move and place loads.

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

Assessors must be satisfied that the candidate can competently and consistently perform all elements of the unit as specified by the criteria, including required knowledge, and be capable of applying the competency in new and different situations and contexts.

Context of and specific resources for assessment

This unit may be assessed on the job, off the job or a combination of both. Where assessment occurs off the job, i.e. the candidate is not in productive work, an appropriate simulation must be used where the range of conditions reflects realistic workplace situations. The competencies covered by this unit would be demonstrated by an individual working alone or as part of a team. The assessment environment should not disadvantage the candidate.

This unit could be assessed in conjunction with any other units addressing the safety, quality, communication, materials handling, recording and reporting associated with operating fixed/moveable load shifting equipment or other units requiring the exercise of the skills and knowledge covered by this unit.

Method of assessment

Assessors should gather a range of evidence that is valid, sufficient, current and authentic. Evidence can be gathered through a variety of ways including direct observation, supervisor's reports, project work, samples and questioning. Questioning techniques should not require language, literacy and numeracy skills beyond those required in this unit of competency. The candidate must have access to all tools, equipment, materials and documentation required. The candidate must be permitted to refer to any relevant workplace procedures, product and manufacturing specifications, codes, standards, manuals and reference materials.

Guidance information for

EVIDENCE GUIDE**assessment****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. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

Fixed/moveable load shifting equipment

- Pendant cranes
- Yard, workshop and travelling overhead cranes
- Monorail hoists and chain blocks
- Pivoting and slewing jibs rails (manual, air or electric etc.)

Pre-operational checks

Hazards warning lights, wire rope, lifting blocks, compass, operation of controls, safe working load marked as determined by manufacturers' specifications and standard operating procedures

Obstacles and hazards

Overhead cables, electrical hazards (live rails), personnel, obstacles (fixed and moveable), swing of the load and failure of slings

Unit Sector(s)**Unit sector****Co-requisite units****Co-requisite units**

Co-requisite units		

Competency field

Competency field	Materials handling
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