



Australian Government

MEM11022 Operate fixed/moveable load shifting equipment

Release: 1

MEM11022 Operate fixed/moveable load shifting equipment

Modification History

Release 1. Supersedes and is equivalent to MEM11022B Operate fixed/movable load shifting equipment

Application

This unit of competency defines the skills and knowledge required to conduct routine operation and safety checks of fixed/moveable load shifting equipment within the limits of manufacturers' recommended procedures.

It covers safe working loads, picking up loads, shifting and placing loads and activities where knowledge of codes and signals is not required.

Where the selection and use of tools is required unit MEM18001 Use hand tools and unit MEM18002 Use power tools/hand held operations, should also be selected as appropriate.

Depending on the equipment being used a high risk work licence may be required and users should check with the relevant authorities.

Band: A

Unit Weight: 4

Pre-requisite Unit

MEM11011	Undertake manual handling
MEM13015	Work safely and effectively in manufacturing and engineering
MEM16006	Organise and communicate information

Competency Field

Materials handling

Elements and Performance Criteria

Elements describe the essential outcomes. Performance criteria describe the performance needed to demonstrate achievement of the element.

1	Determine job requirements	1.1	Follow standard operating procedures (SOPs)
		1.2	Comply with work health and safety (WHS)

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element. requirements at all times
	1.3 Use appropriate personal protective equipment (PPE) in accordance with SOPs
	1.4 Identify job requirements from job sheets or work instructions
2 Conduct routine operation and safety checks of load shifting equipment	2.1 Interpret operational principles of fixed/moveable load shifting equipment
	2.2 Undertake routine pre-operational checks in accordance with manufacturers' specifications and regulatory safety requirements
	2.3 Report non-compliance with specifications according to SOPs
3 Pick up loads	3.1 Select appropriate load shifting device for the load and shifting requirements
	3.2 Operate load shifting device within design specifications and safe working load
	3.3 Lift/roll load, ensuring balance, vision of operation, safety of personnel and protection of load
4 Shift and place loads	4.1 Move load at an appropriate and safe speed using a safe and efficient path
	4.2 Monitor path of movement for obstacles and hazards during shifting process
	4.3 Lower loads at an appropriate and safe rate
	4.4 Place loads to ensure stability, protection of material and avoidance of hazards on site

Foundation Skills

This section describes those required skills (reading, writing, oral communication and numeracy) that are essential to workplace performance in this unit of competency.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Fixed/moveable load shifting equipment includes one (1) or more of the following:

- pendant cranes
- yard, workshop and travelling overhead cranes
- monorail hoists and chain blocks
- pivoting and slewing jibs rails (manual, air or electric)

Pre-operational checks include one (1) or more of the following:

- hazards warning lights
- wire rope
- lifting blocks
- compass
- operation of controls
- safe working load marked as determined by manufacturers' specifications and SOPs

Obstacles and hazards include one (1) or more of the following:

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

Unit Mapping Information

Release 1. Supersedes and is equivalent to MEM11022B Operate fixed/movable load shifting equipment

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>