



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>

Assessment Requirements for MEM11022 Operate fixed/moveable load shifting equipment

Modification History

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

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria on at least two (2) occasions and include:

- following work instructions, standard operating procedures (SOPs) and safe work practices
- identifying and interpreting specifications, regulations, load charts and communicating with personnel on movement/location when operating fixed/movable load shifting equipment
- selecting load shifting device appropriate to the task being performed
- conducting pre-operational checks in accordance with manufacturers' specifications and SOPs
- identifying the safe working load marked as determined by manufacturers' specifications and SOPs in relation to the capacity of the load shifting equipment
- lifting and moving loads in a safe manner being aware of obstacles and hazards
- placing loads ensuring stability, protection of materials and avoidance of hazards.

Knowledge Evidence

Evidence required to demonstrate the required knowledge for this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- operational principles of fixed/moveable load shifting equipment
- pre-operational checks
- loads and lifting attachments
- load chart and safe working loads (SWL)
- licensing requirements
- load protection
- operational environment
- appropriate permits.

Assessment Conditions

- Assessors must:

- have vocational competency in operating fixed/movable load shifting equipment at least to the level being assessed with relevant industry knowledge and experience
- satisfy the assessor requirements in the *Standards for Registered Training Organisations 2015* or its replacement and comply with the *National Vocational Education and Training Regulator Act 2011*, its replacement or equivalent legislation covering VET regulation in a non-referring state/territory as the case requires
- Where possible assessment must occur in operational workplace situations. Where this is not possible or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment that reflects realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Links

Companion Volume implementation guides are found in VETNet -

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