



Australian Government

MEM11010 Operate mobile load shifting equipment

Release: 1

MEM11010 Operate mobile load shifting equipment

Modification History

Release 1. Supersedes and is equivalent to MEM11010B Operate mobile load shifting equipment

Application

This unit of competency defines the skills and knowledge required to operate mobile load shifting equipment, including planning, moving and placing loads and shutting down and securing equipment after operation where knowledge of codes and signals is not required in workshops and/or on-site locations.

Where the selection and use of hand tools is required unit MEM18001 Use hand tools should also be selected.

Where the use of a forklift is required unit TLILIC2001 Licence to operate a forklift truck should also be selected.

Where the use of an order picking forklift is required unit TLILIC2002 Licence to operate an order picking forklift truck should also be selected.

Where the use of a vehicle loading crane with a capacity of 10 metre tonnes and above is required unit TLILIC0012 Licence to operate a vehicle loading crane (capacity 10 metre tonnes and above) should also be selected.

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.

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|---|-------------------------------------|-----|---|
| 1 | Determine job requirements | 1.1 | Follow standard operating procedures (SOPs) |
| | | 1.2 | Comply with work health and safety (WHS) requirements at all times |
| | | 1.3 | Use appropriate personal protective equipment (PPE) in accordance with SOPs |
| | | 1.4 | Identify job requirements from specifications, job sheets or work instructions |
| 2 | Prepare to shift loads | 2.1 | Inspect work area to identify hazards, and implement appropriate prevention/control measures to avoid hazards |
| | | 2.2 | Undertake routine pre-operational checks in accordance with manufacturers' specifications and regulatory safety requirements |
| | | 2.3 | Inspect attachments and/or equipment |
| 3 | Check controls and equipment | 3.1 | Carry out pre-operational and post start-up equipment checks in accordance with manufacturers' specifications and/or operating manual |
| | | 3.2 | Report defects and damage according to site procedures |
| 4 | Shift and place loads | 4.1 | Select the most appropriate load shifting device to suit load and shifting requirements |
| | | 4.2 | Operate load shifting device within design specifications and safe working load in accordance with SOPs |
| | | 4.3 | Lift load, ensuring balance, vision of operation and protection of load |
| | | 4.4 | Select and use the safe and efficient path of movement |
| | | 4.5 | Check path of movement and monitor for obstacles and hazards |

Elements describe the essential outcomes.

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

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|---|--|-----|---|
| | | 4.6 | Place loads ensuring safety, stability, protection of material and avoidance of hazards on-site |
| 5 | Shut down equipment and secure site | 5.1 | Park machinery in accordance with procedures, avoiding site and equipment hazards |
| | | 5.2 | Conduct shutdown in accordance with manufacturers' specification to isolate vehicles |
| | | 5.3 | Complete post-operational check in accordance with operational procedures |

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.

- On-site locations include one (1) or more of the following:**
- factories
 - wharfs
 - ships
 - warehouses
 - manufacturing plants
 - building sites
 - road construction
 - demolition sites
 - quarries and mine sites

- Pre-operational checks include one (1) or more of the following:**
- battery
 - water
 - fuel

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- hazards warning lights
- fluid or gas leaks
- braking
- movement of booms
- visual checks of tyres
- emergency device/alarms
- log books
- operating motions
- evidence of damage
- excessive wear and tear as determined by manufacturers' specifications and standard operating procedures

Attachments and/or equipment includes one (1) or more of the following:

- hooks
- electromagnetic hook
- buckets
- slings
- tag lines
- buckets
- trench
- excavating
- rock breakers
- shackles
- lifting lugs
- fork arms

Post start-up includes the following:

- hazards warning systems, attachments, movements and control functions are smooth
- operating and emergency controls and safety devices are located, identified and tested
- communication signals are confirmed
- defects and damage are reported

Load shifting devices include one (1) or more of the following:

- front end loaders/back hoes
- ride on forklifts
- pallet trucks
- skid steer
- vehicle loading crane

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.

Safe working load includes the following:

- assessing weight of load to ensure compliance with equipment load plate specifications

SOPs include one (1) or more of the following:

- industry standards
- production schedules
- safety data sheets (SDS)
- work notes and plans
- product labels
- manufacturers' specifications
- operator manuals
- enterprise policies and procedures
- supervisors' oral and written instructions
- current state/territory WHS legislation
- standards and codes of practice

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

- overhead cables
- personnel, obstacles (fixed and moveable)
- trenches
- pits
- uneven terrain
- trees
- underground services
- exposure to chemicals
- dangerous or hazardous substances
- movements of equipment, goods and materials
- vehicular traffic

Shutdown includes the following:

- post-operational equipment checks, motion locks and brakes are applied
- lifting equipment is checked
- defective equipment is identified, segregated and reported to supervisor
- equipment is correctly stowed

Unit Mapping Information

Release 1. Supersedes and is equivalent to MEM11010B Operate mobile 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>