



Australian Government

MSMPMC324 Move materials

Release: 1

MSMPMC324 Move materials

Modification History

Release 1. New unit. Supersedes and is equivalent to PMC562070 Move materials

Application

This unit describes the skills and knowledge required to move materials around a site.

This unit applies to operators who are required to take responsibility for own outputs and follow established procedures to plan the moving of materials; ensure safety requirements are in place; perform pre-start checks; operate the equipment and secure, shift and stack materials. Operators are also required to work autonomously and apply their own judgement to interpret information; monitor processes; identify and address routine and non-routine problems and control hazards.

The person undertaking this role may require additional competencies to cover the operation of forklift trucks, cranes or other regulated load shifting devices. These additional competencies may require a licence or certification.

This unit applies to an individual working alone or as part of a team or group and in liaison with other shift team members, team leader and supervisor.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Pre-requisite Unit

Nil

Competency Field

Support

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Perform pre-start checks	1.1 Perform pre-start checks of all plant and equipment in strict accordance with manufacturer and enterprise requirements 1.2 Inspect, activate and check for safe operation of all plant and equipment attachments consistent with standard operating procedures (SOPs)

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
2. Plan work load	2.1 Inspect work areas to identify hazards and implement the appropriate prevention and control measures 2.2 Erect relevant safety signs and barricades and take appropriate precautions to safeguard all site and non-site personnel 2.3 Select and use appropriate personal protective equipment (PPE) 2.4 Inspect work area to determine appropriate path for the movement of vehicular traffic 2.5 Check relevant work permits are issued and received by authorised personnel 2.6 Confirm job requirements and expectations with relevant personnel 2.7 Clarify non-standard requirements 2.8 Identify materials to be moved 2.9 Identify and clarify material movements required
3. Shift loads	3.1 Assess weight of load by specified methods to ensure compliance with equipment load plate specifications 3.2 Use the appropriate process, equipment and attachments to shift loads 3.3 Observe all regulatory requirements regarding shifting loads 3.4 Smoothly and consistently move controls and vehicle or equipment within safe operating practices and limits 3.5 Use standard communication signals to coordinate safe movement of load 3.6 Stack loads ensuring the stability of the stack without creating a hazard to personnel and equipment 3.7 Perform emergency evasive action should the need arise
4. Close down plant and equipment	4.1 Close down plant and equipment 4.2 Park or store and secure plant and equipment 4.3 Perform post-operational checks 4.4 Clean down plant and equipment and dispose of waste
5. Rectify routine problems	5.1 Identify and rectify faults and equipment failure 5.2 Maintain records and log books of equipment operations

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	5.3 Identify non-routine problems and report to designated person

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

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

Unit Mapping Information

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Links

Companion Volume Implementation Guides are available at VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=d1287d36-dff4-4e9f-ad2c-9d6270054027>

Assessment Requirements for MSMPMC324 Move materials

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and:

- secured, shifted and stacked materials to meet safety and job requirements on at least 1 occasion, including:
 - recognising possible causes of the following routine problems:
 - raw material variations
 - equipment faults and abnormalities
 - procedure errors
 - documentation and communication errors.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- principles of safe and efficient transfer and storage of materials
- common types of plant, equipment and attachments used for shifting materials, including:
 - any licensing requirements
 - principles of operation
 - manual handling techniques and ergonomics
 - methods for determining mass and weight of loads
 - load securing methods
 - safe storage of dangerous goods and hazardous materials
 - transport requirements and restrictions for products and materials used in the work environment
 - emergency procedures
 - routine problems, their probable causes and relevant corrective actions
 - work permit system
 - hazards that may arise when moving materials and:
 - their possible causes
 - potential consequences
 - risk control procedures.
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Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - equipment to move materials and personal protective equipment (PPE)
 - materials to be moved
 - specifications, procedures and job sheets
- modelling of industry operating conditions, including:
 - routine and non-routine problems.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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