



Australian Government

MEM11004 Undertake dogging

Release: 1

MEM11004 Undertake dogging

Modification History

Release 1. Supersedes and is equivalent to MEM11004B Undertake dogging

Application

This unit of competency defines the skills and knowledge required to attach slings to loads and move loads using appropriate communication and signalling methods with a crane driver in a workshop or on-site.

This unit is not intended to apply to machine loading and simple straight lifts where knowledge of codes and signals is not required.

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
MEM18001	Use hand tools

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) requirements at all times

Elements describe the essential outcomes.

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

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|---|-------------------------------------|-----|--|
| | | 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 | Attach lifting gear to loads | 2.1 | Identify potential hazards associated with the use of cranes and other load shifting equipment and plan measures to eliminate or control these hazards |
| | | 2.2 | Obtain site information, as necessary |
| | | 2.3 | Inspect load and determine best lifting method |
| | | 2.4 | Select load shifting equipment appropriate to load |
| | | 2.5 | Inspect lifting gear and label and reject damaged or worn items |
| | | 2.6 | Calculate safe working loads to Australian Standards, as appropriate |
| | | 2.7 | Attach lifting gear to load in most appropriate and safe manner and to specifications, as required |
| 3 | Move loads | 3.1 | Perform load moving to acceptable safe working practices, Australian Standards, codes of practice and specifications |
| | | 3.2 | Connect lifting gear to load shifting equipment using safe and appropriate techniques |
| | | 3.3 | Use communication and signalling methods to coordinate the load movement in a safe manner |
| | | 3.4 | Ground load or put down in accordance with prescribed procedure, in a safe and stable manner |
| | | 3.5 | Detach all lifting gear from load mover and load |

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.

- Hazards include one (1) or more of the following:**
- overhead power lines
 - trees
 - overhead service lines (steam, gas, water, telephone)
 - underground services
 - uneven and/or unstable ground
 - allowable floor loading as appropriate
 - other workers and persons
 - surrounding buildings/vessels/structures equipment
 - hazardous materials
 - corrosive substances
 - barricades
 - inadequate lighting
 - radio interference

- Load shifting equipment includes one (1) or more of the following:**
- overhead cranes
 - overhead gantry
 - forklift with approved lifting boom/jib
 - mobile cranes

- Lifting method includes the following:**
- slings in an appropriate configuration

- Lifting gear includes one (1) or more of the following:**
- tags
 - slings
 - ropes
 - shackles
 - lifting clutches
 - snatch blocks
 - I bolts

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.

- spreader beams
- chain blocks
- chain shorteners and include equalising sheaves
- collared I bolts
- turn buckles
- rigging screws
- lifting lugs

Calculations include the following:

- load and lifting gear calculations

Safe working practices include the following:

- inspection of the environment, assessment of hazards and personnel safety

Communication and signalling methods include the following:

- signals are given both within sight and out of sight of equipment operators
- signals, including stop, raise, lower, slew, luff, extend and retract boom, using hands, verbal instructions and whistles

State or territory legislative requirements include the following:

- appropriate WHS and acts and regulations
- Australian Standards and codes of practice, including:
 - NOHSC:1006, National Occupational Health and Safety Certification Standards for Users and Operators of Industrial Equipment
 - AS 1418 Set-2011, Cranes, hoists and winches Set

Unit Mapping Information

Release 1. Supersedes and is equivalent to MEM11004B Undertake dogging

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 MEM11004 Undertake dogging

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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
- selecting lifting methods and load shifting equipment appropriate to the task
- calculating safe working loads
- assessing the hazards and risks associated with undertaking dogging and determining the most appropriate technique
- attaching lifting gear using appropriate techniques
- using communicating and signalling methods in the movement of the load, including when the load is out of view of the crane driver
- using basic hand tools relating to lifts
- identifying damaged/worn lifting gear and reporting to appropriate personnel.

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)
- Australian Standards, codes of practice and specifications
- lifting methods and lifting gear to suit various loads
- dogging signals and communication methods
- calculations relevant to lifting procedures
- lifting methods
- types and applications of load shifting equipment
- manufacturers' specifications
- enterprise and workplace communication procedures
- licensing and permit requirements
- site/non-site personnel.

Assessment Conditions

- Assessors must:

- have vocational competency in undertaking dogging 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.

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