



Australian Government

MEM11001 Erect/dismantle scaffolding and equipment

Release: 1

MEM11001 Erect/dismantle scaffolding and equipment

Modification History

Release 1. Supersedes and is equivalent to MEM11001C Erect/dismantle scaffolding and equipment

Application

This unit of competency defines the skills and knowledge required to prepare, erect and dismantle scaffolding and equipment for maintenance and installation in a workshop and in factories, manufacturing plants and warehouses.

Where interpretation of technical drawings is required unit MEM09002 Interpret technical drawing should also be selected.

Where the selection and use of engineering measurement is required unit MEM12023 Perform engineering measurements should also be selected.

Where the selection and use of power tools/hand held operations is required unit MEM18002 Use power tools/hand held operations 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
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.
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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	Interpret site plans, scaffolding/equipment designs and drawings to industry practices, as necessary
2	Prepare to erect scaffold/equipment	2.1	Inspect work area to identify hazards and implement appropriate prevention/control measures to avoid hazard
		2.2	Prepare erection site to meet job requirements
		2.3	Place necessary signage and barriers and third-party protection measures in appropriate position
3	Erect scaffold/equipment	3.1	Select and inspect appropriate scaffolding/equipment components and label and reject damaged components
		3.2	Erect scaffolding/equipment to plan and in accordance with safe work practices, Australian Standards, state and territory legislative requirements and equipment manufacturers' requirements
		3.3	Check the completed scaffolding/equipment for safety and operational requirements
		3.4	Leave site clear of all surplus components, equipment, tools and debris
4	Inspect, repair and alter scaffold/equipment	4.1	Repair or send for repair rejected components
		4.2	Inspect the scaffolding/equipment for damage, corrosion and wear
		4.3	Carry out any alteration or repair in accordance with safe work practices and legislative requirements

Elements describe the essential outcomes.

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

4.4 Complete any inspection log, as required

5 Dismantle scaffold/equipment

- 5.1 Inspect scaffolding/equipment for damage, corrosion or wear and note for consideration in planning for dismantling
- 5.2 Dismantle scaffolding/equipment in accordance with site procedures, state and territory legislative requirements and critical structural and safety requirements
- 5.3 Clean and clear site of all tools, excess material and debris and leave in a safe state

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.

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

- modular or prefabricated scaffolds
- cantilevered materials hoists with a maximum working load of 500 kg
- ropes and gin wheels
- safety nets and static lines
- bracket scaffolds (tank and formwork)

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

- chemicals
- dangerous or hazardous substances/materials
- movement of equipment, goods and materials
- vehicular traffic
- uneven/unstable terrain

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- overhead service lines
- trees
- underground services
- obstructions
- structures
- surrounding buildings
- facilities
- bridges/walkways
- lifting equipment

Prescribed procedures include one (1) or more of the following:

- clarification of instructions and/or plans either written or from authorised personnel
- site safety policy and procedures
- SOPs
- correct use of equipment
- industry standards and requirements
- manufacturers' specifications

Signage and barriers and third-party protection measures include one (1) or more of the following:

- physical barriers (para webbing, bollards, timber or metal barriers)
- warning/direction signs
- personnel to restrict unauthorised access (spotters)
- permits to work

Safe work practices include the following:

- hazard identification
- risk assessment
- risk reduction measures
- housekeeping
- PPE

State and territory legislative requirements include the following:

- appropriate WHS and Scaffolding 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

Unit Mapping Information

Release 1. Supersedes and is equivalent to MEM11001C Erect/dismantle scaffolding and 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 MEM11001 Erect/dismantle scaffolding and equipment

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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
- identifying and interpreting specifications and legislative requirements for erecting scaffolding
- preparing the site for erection of scaffolding
- assessing the risks associated with erecting/dismantling scaffolding and equipment and determining the most appropriate technique
- using relevant hand tools and manual handling techniques ensuring the scaffolding is level
- undertaking site clean-up and remediation
- working safely and confidently at heights.

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)
- erection and dismantling procedures as set out in relevant Australian Standards
- codes of practice, for example, the Scaffolder's Guide, and relevant acts and regulations
- site specific requirements
- scaffolding techniques and equipment and its limitations
- materials handling, storage and environmentally friendly waste management.

Assessment Conditions

- Assessors must:
 - have vocational competency in erecting/dismantling scaffolding and 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.

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