



Australian Government

MEM11002 Erect/dismantle intermediate scaffolding and equipment

Release: 1

MEM11002 Erect/dismantle intermediate scaffolding and equipment

Modification History

Release 1. Supersedes and is equivalent to MEM11002C Erect/dismantle complex scaffolding and equipment

Application

This unit of competency defines the skills and knowledge required to prepare, erect, maintain, inspect/alter/repair and dismantle intermediate scaffolding/equipment used generally in maintenance and installation in workshops, 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.

Where scaffolding alteration or repair work is undertaken appropriate units 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

MEM11001	Erect/dismantle scaffolding and equipment
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
		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 intermediate 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 intermediate 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 acceptable safe work practices, Australian Standards, state or territory legislative requirements and equipment manufacturers' requirements
		3.3	Check scaffolding/equipment for safety and operational requirements and identify faults in accordance with legislative requirements
4	Inspect, alter and/or repair intermediate	4.1	Repair or send for repair rejected components
		4.2	Confirm alterations/repairs in accordance with safe work practices, Australian Standards and equipment

Elements describe the essential outcomes.

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

	scaffold/equipment		manufacturers' requirements
		4.3	Inspect alterations/repairs for safety and operational requirements
		4.4	Confirm and understand scope of alteration/repair
		4.5	Inspect existing scaffold/equipment for suitability of alterations/repair requirements
		4.6	Determine materials, equipment and tools required for alteration
		4.7	Record/report work completion to appropriate authority
5	Dismantle intermediate 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	Clear and clean 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

- modular or prefabricated scaffolds
- cantilevered materials hoists with a maximum working load of

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of the following:

500 kg

- ropes and gin wheels
- safety nets and static lines, and
- bracket scaffolds (tank and formwork)
- cantilevered crane loading platforms
- cantilevered and spurred scaffolds
- barrow ramps and sloping platforms
- perimeter safety screens and shutters
- mast climbers
- tube and coupler scaffolds (including tube and coupler covered ways and gantries)

Maintaining scaffold includes the following:

- ensuring that the scaffolding remains in a safe condition according to manufacturers' specifications and legislative requirements

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
- 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 either written or from authorised personnel
- site safety policy and procedures
- SOPs
- correct use of equipment
- industry standards and requirements

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- manufacturers' specifications

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

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

Safe work practices include the following:

- hazard identification
- risk assessment
- SOPs
- housekeeping
- PPE

State or 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 MEM11002C Erect/dismantle complex 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 MEM11002 Erect/dismantle intermediate 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, legislative requirements for erecting intermediate scaffolding
- preparing the site for erection of intermediate scaffolding
- assessing the risks associated with intermediate scaffolding and equipment and determining the most appropriate technique
- using relevant hand tools and manual handling techniques ensuring the intermediate scaffolding is level
- determining the condition of scaffolding and determining the need for repair or alteration
- undertaking alteration or repair work on scaffolding or sending the scaffolding for repair or alteration.
- 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 Scaffolders' Guide, and relevant acts and regulations
- site-specific requirements
- sequence of operations in erecting intermediate scaffolding
- types of intermediate scaffolding systems and deck loadings
- scaffolding techniques and equipment and its limitations
- materials handling, storage and environmentally friendly waste management
- scaffolding condition and repair requirements
- hazards and control measures; electrical, stability, mobile plant issues/requirements; falls protection measures; minimum gap requirements; and safe access and egress.

Assessment Conditions

- Assessors must:
 - have vocational competency in erecting/dismantling intermediate 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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