



Australian Government

Department of Education, Employment and Workplace Relations

MEM11003B Coordinate erection/dismantling of complex scaffolding/equipment

Release: 1

MEM11003B Coordinate erection/dismantling of complex scaffolding/equipment

Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit covers coordinating the erection, alteration, repair and dismantling of scaffolding/equipment, and inspecting the completed scaffold/equipment.
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Application of the Unit

Application of the unit	This unit applies to individuals coordinating a scaffolding team or employed in a supervisory capacity for the erection, maintenance and dismantling of scaffolding and equipment in a workshop, and in factories, manufacturing plants and warehouses. If specific skills are required for the repair of the scaffolding, personnel with appropriate competencies are accessed. Licensing and permit requirements are addressed accordingly. Band: A Unit Weight: 4
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Licensing/Regulatory Information

Refer to Application of the Unit

Pre-Requisites

Prerequisite units		
Path 1	MEM11001C	Erect/dismantle scaffolding and equipment
	MEM11002C	Erect/dismantle complex scaffolding and equipment
	MEM18001C	Use hand tools

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Plan and coordinate erection of scaffold/equipment	1.1. Site plans, scaffolding/equipment designs and drawings to industry practices are interpreted as necessary. 1.2. Work area is inspected to identify hazards and appropriate prevention/control measures are implemented to avoid hazard. 1.3. All work is undertaken safely and to prescribed procedures. 1.4. Erection site is prepared to meet job and safety requirements. 1.5. Necessary signage and barriers are placed in appropriate position. 1.6. Scaffolding/equipment erection is coordinated in accordance with acceptable safe work practices, Australian standards, State or Territory legislative requirements and equipment manufacturers' requirements. 1.7. Completed scaffolding/equipment is inspected for safety and compliance with design, operational and statutory requirements.
2. Coordinate alterations and repairs of scaffold/equipment	2.1. Scope of alteration/repair is confirmed and understood. 2.2. Existing scaffolding/equipment is inspected and alterations/repairs determined. 2.3. Materials, equipment and tools required for alterations are determined. 2.4. Existing or new load requirements are determined using load tables. 2.5. Alteration/repairs are coordinated in accordance with safety work practices, Australian standards and equipment manufacturers' requirements. 2.6. Alterations/repairs are inspected for safety and operational requirements. 2.7. Work completion is reported to appropriate personnel and recorded.
3. Inspect completed scaffold/equipment	3.1. The critical structural and safety areas of the scaffolding/equipment are inspected for damage, corrosion and wear. 3.2. Scaffolding/equipment and structure is checked against the type of scaffolding/equipment and structure specified in the plan. 3.3. Inspection log is completed. 3.4. Potential safety and design/structural hazards are

ELEMENT	PERFORMANCE CRITERIA
	reported for rectification.
4. Coordinate dismantling of scaffold/equipment	4.1. Work is coordinated safely and to standard operating procedure. 4.2. Scaffolding/equipment is removed from site in accordance with standard operating procedures and critical structural and safety requirements. 4.3. Site clearance is coordinated, and surplus material, equipment, tools and debris are removed and site left in safe and operational state. 4.4. Work completion is reported to appropriate authority.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

Look for evidence that confirms skills in:

- levelling and alignment of scaffolding
- interpreting instructions and legislative requirements
- using basic hand tools
- assessing risk
- using manual handling techniques
- cleaning up and site remediation
- time management
- determining personnel and equipment requirements
- inspecting completed scaffolding with reference to structural integrity and design faults
- locating, reading and interpreting information on written job instructions, specifications, drawings, charts, lists and other reference documentation
- planning, sequencing operations
- checking and clarifying strategies
- working safely and confidently at heights

Required knowledge

Look for evidence that confirms knowledge of:

- erection and dismantling procedures as set in the Australian standards

REQUIRED SKILLS AND KNOWLEDGE

- codes of practice, for example the Scaffolder's Guide
- site specific requirements
- safety procedures
- types of scaffolding systems
- deck loadings
- hazards; electrical, stability, mobile plant issues/requirements; falls protection measures; minimum gap requirements; safe access and egress
- sequence of operations in erecting and dismantling the scaffolding
- design and materials faults such as rust, wear and tear, stress
- use and application of personal protective equipment
- safe work practices and procedures
- scaffolding techniques and equipment
- limitations of equipment
- materials handling, storage and environmentally friendly waste management

Evidence Guide

EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment

A person who demonstrates competency in this unit must be able to coordinate the erection, repair, maintenance and dismantling of all scaffolding applications. Competency in this unit cannot be claimed until all prerequisites have been satisfied.

Critical aspects for assessment and evidence required to demonstrate competency in this unit

Assessors must be satisfied that the candidate can competently and consistently perform all elements of the unit as specified by the criteria, including required knowledge, and be capable of applying the competency in new and different situations and contexts.

Context of and specific resources for assessment

This unit may be assessed on the job, off the job or a combination of both on and off the job. Where assessment occurs off the job, that is the candidate is not in productive work, then an appropriate simulation must be used where the range of conditions reflects realistic workplace situations. The competencies covered by this unit would be demonstrated by an individual working alone or as part of a team. The assessment environment should not disadvantage the candidate.

This unit could be assessed in conjunction with any other units addressing the safety, quality, communication, materials handling, recording and reporting associated with coordination of the erection, repair, maintenance and dismantling of all scaffolding applications or other units requiring the exercise of the skills and knowledge covered by this unit.

Method of assessment

Assessors should gather a range of evidence that is valid, sufficient, current and authentic. Evidence can be gathered through a variety of ways including direct observation, supervisor's reports, project work, samples and questioning. Questioning techniques should not require language, literacy and numeracy skills beyond those required in this unit of competency. The candidate must have access to all tools, equipment, materials and documentation required. The candidate must be permitted to refer to any relevant workplace procedures, product and manufacturing specifications, codes,

EVIDENCE GUIDE

	standards, manuals and reference materials.
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EVIDENCE GUIDE**Guidance information for assessment****Range Statement****RANGE STATEMENT**

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

Scaffolding/equipment

- Tube and fitting scaffolds as limited by legislative requirements
- Fall protection devices
- Catch platforms
- Standing prefabricated tower scaffolds and bracket scaffolds
- Mobile scaffolds
- Cantilevered hoists
- Cantilevered and spurred scaffolds
- Platforms and course-ways
- Suspended scaffolds
- Cantilevered cranes
- Loading platforms
- Hung scaffolds

Complex scaffolding means Intermediate Scaffolding and above as set out the legislative requirements in each State and Territory. The major difference between the complex and basic scaffolding is the height of the working platform and certain types of scaffolding and configurations

Hazards

- Chemicals, dangerous or hazardous substances/materials
- Movement of equipment, goods, materials, vehicular traffic
- Uneven/unstable terrain, overhead service

RANGE STATEMENT	
	lines, trees, underground services, obstructions, structures, surrounding buildings, facilities, bridges/walkways, lifting equipment
Prescribed procedures	• Clarification of instructions either written or from authorised personnel • Site safety policy and procedures • Standard operating procedures • Correct use of equipment • Industry standards and requirements • Manufacturers' specifications
Signage and barriers	• Physical barriers (parawebbing, bollards, timber or metal barriers) • Warning/direction signs • Personnel to restrict unauthorised access (spotters) • Permit signage
Safe work practices	Hazard identification, control measures, risk assessment, standard operating procedures, house keeping and personal protective equipment
State or Territory legislative requirements	• Appropriate OH&S and Scaffolding acts and regulations • Australian standards and codes of practice and • NOHSC:1006

Unit Sector(s)

Unit sector	
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Co-requisite units

Co-requisite units		

Competency field

Competency field	Materials handling
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