



Australian Government

Department of Education, Employment and Workplace Relations

MEM11002C Erect/dismantle complex scaffolding and equipment

Release: 1

MEM11002C Erect/dismantle complex scaffolding and equipment

Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit covers erecting, maintaining, inspecting/altering/repairing and dismantling complex scaffolding/equipment.
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Application of the Unit

Application of the unit	<p>This unit applies to erecting complex scaffolding to be used generally in maintenance and installation in a workshop, and in factories, manufacturing plants and warehouses. It includes preparation, erection, maintenance, inspection/repair/alteration and dismantling of the scaffolding/equipment.</p> <p>An awareness of licensing and permit requirements is required.</p> <p>Band: A</p> <p>Unit Weight: 4</p>
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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
	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. Prepare to erect scaffold/equipment	<p>1.1. Site plans, scaffolding/equipment designs and drawings to industry practices are interpreted as necessary.</p> <p>1.2. Work area is inspected to identify hazards and appropriate prevention/control measures are implemented to avoid hazard.</p> <p>1.3. All work is undertaken safely and to prescribed procedures.</p>
2. Erect scaffold/equipment	<p>2.1. Erection site is prepared to meet job requirements.</p> <p>2.2. Necessary signage and barriers and third party protection measures are placed in appropriate position.</p> <p>2.3. Appropriate scaffolding/equipment components are selected and inspected and damaged components are labelled and rejected.</p> <p>2.4. Rejected components are repaired or sent for repair.</p> <p>2.5. Scaffolding/equipment is erected to plan and in accordance with acceptable safe work practices, Australian standards, State or Territory legislative requirements and equipment manufacturers' requirements.</p> <p>2.6. Scaffolding/equipment is checked for safety and operational requirements and faults are identified in accordance with legislative requirements.</p>
3. Inspect, alter and/or repair scaffold/equipment	<p>3.1. Alterations/repairs are confirmed in accordance with safety work practices, Australian standards and equipment manufacturers' requirements.</p> <p>3.2. Alterations/repairs are inspected for safety and operational requirements.</p> <p>3.3. Scope of alteration/repair is confirmed and understood.</p> <p>3.4. Existing scaffold/equipment is inspected for suitability of alterations/repair requirements.</p> <p>3.5. Materials, equipment and tools required for alteration are determined.</p> <p>3.6. Work completion is recorded/reported to appropriate authority.</p>
4. Dismantle scaffold/equipment	<p>4.1. Work is undertaken safely and to prescribed procedure.</p> <p>4.2. Scaffolding/equipment is inspected for damage,</p>

ELEMENT	PERFORMANCE CRITERIA
	<p>corrosion or wear and is noted for consideration in planning for dismantling.</p> <p>4.3. Scaffolding/equipment is dismantled in accordance with site procedures, State and Territory legislative requirements and critical structural and safety requirements.</p> <p>4.4. Site is cleaned and cleared of all tools, excess material and debris and left in a safe state.</p>

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 aligning scaffolding
- interpreting instructions and legislative requirements
- using basic hand tools
- assessing risk in relation to complex scaffolding erection
- using manual handling techniques
- undertaking site clean up and remediation
- working safely and confidently at heights

Required knowledge

Look for evidence that confirms knowledge of:

- erection and dismantling procedures as set in relevant Australian standards
- codes of practice, for example the Scaffolder's Guide, relevant acts and regulations
- site specific requirements
- safety procedures, safe work practices and procedures
- sequence of operations in erecting the scaffolding
- types of scaffolding systems
- hazards and control measures; electrical, stability, mobile plant issues/requirements; falls protection measures; minimum gap requirements; safe access and egress
- deck loadings
- use and application of personal protective equipment

REQUIRED SKILLS AND KNOWLEDGE

- scaffolding techniques and equipment
- limitations of equipment
- materials handling, storage and environmentally friendly waste management

Evidence Guide

EVIDENCE GUIDE	
<p>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.</p>	
<p>Overview of assessment</p>	<p>A person who demonstrates competency in this unit must be able to erect, maintain and dismantle complex scaffolding/equipment safely and subject to legislative requirements. Competency in this unit cannot be claimed until all prerequisites have been satisfied.</p>
<p>Critical aspects for assessment and evidence required to demonstrate competency in this unit</p>	<p>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.</p>
<p>Context of and specific resources for assessment</p>	<p>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.</p> <p>This unit could be assessed in conjunction with any other units addressing the safety, quality, communication, materials handling, recording and reporting associated with erection, maintenance and dismantling of complex scaffolding or other units requiring the exercise of the skills and knowledge covered by this unit.</p>
<p>Method of assessment</p>	<p>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, standards, manuals and reference materials.</p>

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

- Prefabricated tower scaffolds, tube and fitting scaffolds as limited by legislative requirements, tube and coupler scaffolds including tube and coupler covered ways and gantries, fall protection devices, catch platforms, bracket scaffolds (tank and formwork), mobile scaffolds, ropes, cantilevered hoists, cantilevered and spurred scaffolds, cantilever crane loading platforms and course-ways, fall protection devices, platforms
- Complex scaffolding means Intermediate Scaffolding and above as set out in the legislative requirements in each State and Territory. The major difference between complex and basic scaffolding is the height of the working platform and certain types of scaffolding and configurations
- Maintaining scaffolding means ensuring that the scaffolding remains in a safe condition according to manufacturers' specifications and legislative requirements

Hazards

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

RANGE STATEMENT	
	obstructions, structures, surrounding buildings, facilities, bridges/walkways, lifting equipment
Prescribed procedures may include	<ul style="list-style-type: none"> • 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, barriers and third party protection measures may include	<ul style="list-style-type: none"> • Physical barriers (parawebbing, bollards, timber or metal) • Warning/direction signs • Personnel to restrict unauthorised access (spotters) • Permits to work
Safe work practices may include	Hazard identification, risk assessment, standard operating procedures, house keeping and personal protective equipment.
State or Territory legislative requirements	<ul style="list-style-type: none"> • 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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