



Australian Government

CPCCS2002 Erect and dismantle basic scaffolding

Release: 3

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Modification History

- Release 3 Updated reference to general construction induction training program.
- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.
Minor edits to formatting.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
Supersedes and is equivalent to CPCSC2002A Erect and dismantle basic scaffolding. Updated to meet the Standards for Training Packages 2012.

Application

This unit specifies the skills and knowledge required to erect and dismantle a range of modular scaffolding systems to provide work platforms for construction purposes. Scaffolding systems include edge protection, access ways and falsework (scaffold support systems for formwork).

It applies to those who work under the direction of more experienced workers to erect and dismantle a range of modular scaffolding systems.

Completion of the general construction induction training program, specified in the Safe Work Australia model *Code of Practice: Construction Work*, is required by anyone carrying out construction work. Achievement of *CPCWHS1001 Prepare to work safely in the construction industry* meets this requirement.

Licensing, legislative, regulatory or certification requirements apply to this unit of competency in some states and territories. For further information, check with the relevant regulatory authority.

Pre-requisite Unit

CPCWHS2001 Apply WHS requirements, policies and procedures in the construction industry

Unit Sector

Construction

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

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|--|---|
| 1 Plan and prepare to erect and dismantle basic scaffolding. | 1.1 Read work order and associated documentation and clarify work tasks with relevant persons. |
| | 1.2 Plan all work to comply with relevant legislation, regulations, standards, codes, work health and safety (WHS), environmental and workplace requirements. |
| | 1.3 Select plant, tools and equipment, check for serviceability and rectify or report any faults. |
| | 1.4 Select and inspect scaffolding and components, and label and reject damaged components. |
| | 1.5 Calculate expected loading on scaffold and supporting structure using load tables and manufacturer specifications. |
| | 1.6 Identify site access and egress routes. |
| 2 Whip, tie, splice and inspect ropes. | 2.1 Inspect whipping cord and fibre rope for damage and wear. |
| | 2.2 Whip designated rope ends in accordance with work order and regulatory requirements. |
| | 2.3 Splice designated rope ends in accordance with work order and regulatory requirements. |
| | 2.4 Apply and inspect bends and hitches in accordance with work order. |
| 3 Erect basic scaffolding. | 3.1 Erect required safety signage and barricades and fit personal protective equipment (PPE). |
| | 3.2 Select sole board/base plate in accordance with regulatory and manufacturer requirements. |
| | 3.3 Set out and erect scaffolding in accordance with regulatory and manufacturer requirements. |
| | 3.4 Erect and install static lines where specified in |

		accordance with regulatory requirements.
	3.5	Assemble and erect lifting device as specified.
4 Inspect, repair and alter erected basic scaffolding.	4.1	Inspect erected modular scaffolding for damage, corrosion, wear and compatibility.
	4.2	Check current use of scaffolding against original design and confirm that it is in accordance with regulations and specifications.
	4.3	Inspect and confirm scaffolding stability.
	4.4	Carry out alteration or repair as necessary and within own level of responsibility.
	4.5	Complete and date inspection log and handover certificate, ready for signing by a certified scaffolder.
5 Dismantle basic scaffolding.	5.1	Isolate scaffolding with appropriate signage and barricades to ensure safe dismantling.
	5.2	Dismantle scaffolding, reversing procedure followed for erection.
6 Clean up.	6.1	Clear work area and dispose of, reuse or recycle materials in accordance with regulatory and workplace requirements.
	6.2	Clean, check, maintain and store tools and equipment in accordance with manufacturer and workplace requirements.

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and is equivalent to CPCSC2002A Erect and dismantle basic scaffolding.

Links

Companion volumes to this training package are available at the VETNet website -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

Assessment Requirements for CPCSC2002 Erect and dismantle basic scaffolding

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Performance Evidence

To demonstrate competency in this unit, a candidate must meet the elements and performance criteria by:

- planning, erecting and dismantling a modular scaffolding system, in accordance with job safety and environmental analyses (JSEAs), safe work method statements (SWMSs) and regulations, and including:
 - five bays with an internal and external return
 - four lifts, including ties
 - ladder and stair access
 - fall and edge protection
- whipping, splicing, tying and inspecting five fibre ropes in accordance with regulations.

Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- workplace and regulatory requirements for erecting and dismantling basic scaffolding under applicable Commonwealth, state or territory work health and safety (WHS) legislation and codes of practice:
 - JSEAs
 - SWMSs
 - safety manuals and instructions for plant, tools and equipment
 - signage and barricades
 - personal protective equipment (PPE)

- working at heights requirements
- environmental and worksite safety plans
- reporting problems
- erection of scaffolding:
 - placement
 - sequencing
 - squaring
 - levelling
 - tying to structure
- scaffolding for:
 - work platforms
 - edge protection
 - access ways
 - falsework
 - grandstands
 - covered walkways
- lifting devices:
 - cantilevered hoists
 - gin wheels
- establishment of footings, including the review of JSEAs and SWMSs to determine the bearing capacity of ground or working surfaces
- whipping methods:
 - common
 - west countryman
 - American
 - sail makers
- splicing methods:
 - end splice
 - eye splice
- types of bends and hitches:
 - clove hitch around a tube
 - rolling hitch around a tube
 - single bow line
 - timber hitch
 - half hitch around a plank
 - sheet bend to another rope
- alteration and repair due to storm damage, accidents, misuse and process
- types, characteristics and limitations of tools, equipment and components required for erecting and dismantling basic scaffolding:
 - adjustable base plates

- bends and hitches
- box spanners
- braces
- bracket scaffolds (tank and formwork)
- cantilevered hoists (materials only with maximum capacity of 500 kg)
- couplers and accessories
- fibre ropes
- guard rails
- hammers
- ledgers
- mesh guards
- mid rails
- modular and prefabricated scaffolds
- podgers
- hammers
- prefabricated components
- scaffold belts
- scaffolding planks
- spirit levels
- stairs or ladders
- standards
- steel and aluminium tubes
- tape measures
- torpedo levels
- transoms
- wire nips
- wrenches
- requirements for use of tools, equipment and materials for erecting and dismantling basic scaffolding:
 - safe operating procedures
 - operational, maintenance and basic diagnostic procedures
 - workplace and equipment safety requirements
- signalling methods and communications
- requirements for cleaning up work area, maintaining and storing plant, tools, equipment and materials, and for environmentally friendly waste management.

Assessment Conditions

Assessors must meet the requirements for assessors outlined in the Standards for Registered Training Organisations.

Assessment must be conducted in the workplace or a simulated workplace using realistic conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

Candidates must have access to:

- industry-standard equipment required to perform the tasks specified in the Performance Evidence
- appropriate workplace information and records, including policies, procedures and legislative requirements.

Links

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