



Australian Government

CPCCCO4001 Supervise concreting work

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 6.4.
- Changes to the Performance Criteria 3. Monitor and manage concrete material delivery: 3.1 through 3.5.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
- Supersedes and is equivalent to CPCCCO4001A Supervise concreting work.
- Updated to meet the Standards for Training Packages 2012.

Application

This unit of competency specifies the outcomes required to oversee on-site preparation and finish of concreting work. It includes initiating, supervising and monitoring concreting operations to ensure completion within scheduled timeframes and quality standards.

This unit of competency applies to builders, site supervisors and other industry personnel responsible for concreting work on residential and commercial projects.

This unit of competency is suitable for those using specialised knowledge to complete routine and non-routine tasks and using their own judgement to deal with predictable and sometimes unpredictable problems.

Completion of the general construction induction training program specified by the model Code of Practice for Construction Work is required for any person who is to carry out construction work. Achievement of unit *CPCWHS1001 Prepare to work safely in the construction industry* meets this requirement.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil.

Unit Sector

Concreting.

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 Supervise preparation for concreting work. | 1.1 Communicate work instructions to team members and invite and address questions. |
| | 1.2 Confirm team members' understanding of work health and safety (WHS) and environmental requirements. |
| | 1.3 Confirm team members' selection of materials, tools and equipment is consistent with job requirements. |
| | 1.4 Process reports of faulty equipment and tools and source replacements as required. |
| | 1.5 Manage and monitor team members' manual handling of equipment and tools to ensure workplace safety requirements are met. |
| 2 Supervise on-site preparation for concrete pour. | 2.1 Direct and monitor site excavation and preparation of sub-grade to meet safety, quality and scheduled timeframe requirements. |
| | 2.2 Supervise, monitor and direct formwork installation to comply with work plans and specifications. |
| | 2.3 Check levels for finish heights against datum. |
| | 2.4 Inspect placement of reinforcing to ensure compliance with specifications. |
| | 2.5 Confirm site and preparation work is ready for concrete pour. |
| 3 Monitor and manage concrete material delivery. | 3.1 Confirm concrete quantities and specifications with supplier and place order. |
| | 3.2 Confirm delivery schedule, location and method of placement with supplier with placed order. |
| | 3.3 Check accuracy of concrete against delivery documentation and consult with product specialist to ensure accuracy of concrete properties. |

	3.4	Monitor and manage delivery to ensure continuous and timely concrete supply for the project.
	3.5	Monitor progress of concrete pour to assess status and calculate and adjust for potential shortfall or over-supply.
4 Monitor and manage concreting on-site work.	4.1	Monitor weather conditions and apply contingencies as required to ensure safety, quality and timeliness of project completion.
	4.2	Supervise concrete pour and compacting and levelling procedures to comply with specifications.
	4.3	Manage concrete finish in compliance with specifications.
	4.4	Check completed work for compliance and coordinate team members to address areas of non-compliance.
5 Supervise site clean-up.	5.1	Arrange for clean-up of tools and equipment, and disposal and removal of excess material to meet organisation quality processes and environmental requirements.
	5.2	Organise safe storage and protection of tools, equipment and materials.
	5.3	Debrief team members and action identified opportunities for learning or improvement.
	5.4	Complete and process project documentation according to workplace and project requirements.

Foundation Skills

As well as the foundation skills explicit in the performance criteria of this unit, candidates require:

- oral communication skills to:
 - interact with team members and suppliers and choose appropriate language to give instructions and feedback
- technology skills to:

- use communication tools and devices to communicate and collaborate effectively with others
- use equipment and programs to access, extract information and develop relevant documentation.

Unit Mapping Information

Supersedes and is equivalent to CPCCCO4001A Supervise concreting work.

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 CPCCCO4001 Supervise concreting work

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Performance Evidence

To demonstrate competency, a candidate must meet the elements and performance criteria of this unit by supervising concreting works for three different concreting projects.

In doing this, the candidate must:

- supervise team members ensuring timely completion of each project to required quality standards and specifications
- manage the accurate placement of formwork, reinforcing, services and penetrations
- supervise accurate transfer of datum, finish heights of concrete, concrete compaction and concrete finishes
- organise concrete testing and documenting results.

Knowledge Evidence

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

- application, processes and techniques of concreting:
 - suspended slabs
 - slabs on ground
- properties and limitations of concrete:
 - composition
 - slump test measurement
 - temperature
- principles of task management

- regulations, standards and codes of practice relevant to concreting work
- organisational quality assurance requirements
- team leadership strategies
- operational and functional factors of concreting tools and equipment
- workplace safety:
 - hierarchy of control
 - hazardous manual tasks
 - working at heights
 - hazardous materials and substances
 - personal protective equipment (PPE)
- sustainability and environmental requirements:
 - clean-up management
 - dust suppression
 - noise management
 - stormwater management
 - vibration management
 - waste management.

Assessment Conditions

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

Assessment can be undertaken in the workplace or in a simulated workplace environment.

A simulated environment is one that realistically replicates workplace conditions, materials and equipment, interactions with others and workplace irregularities, and which meets industry standards for safety and environmental practices.

Candidates must have access to:

- relevant government legislation
- current industry and Australian codes and standards
- project schedules, construction drawings, site plans and specifications
- organisational policies, procedures and other quality documentation to undertake the performance criteria and assessment requirements
- tools and equipment to supervise safe concrete works and document test outcomes.

Links

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