Draft 0.1

This is our work-in-progress update to CPCCCO4001A Supervise concreting work: https://training.gov.au/Training/Details/CPCCCO4001A.

We are working with industry experts to ensure the updated unit:

- meets current and anticipated industry needs
- complies with current Standards for Training Packages
- is written in clear understandable English.

Information on our training package review and development process is available here: http://www.artibus.com.au/project-stage.

Summary of changes from current endorsed unit

Re-templated to meet Standards for Training Packages 2012.

Sequenced Elements and Performance Criteria.

Specified what and how performance is demonstrated in Performance Evidence.

Captured critical Range Statement items and included industry relevant knowledge in Knowledge Evidence.

Stated mandatory conditions and specific requirements for assessment; performance to be demonstrated onsite.

CPCCCO4001
Supervise concreting work

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 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.

Licensing, legislative, regulatory or certification requirements apply to concreting work in different states and territories. Candidates are advised to consult with the relevant regulatory authorities.

Those undertaking this unit will have their performance assessed on a construction worksite.

Prerequisite Unit

Unit Sector

Concreting.

Elements and Performance Criteria

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 faulty reported equipment and tools to meet workplace requirements and source replacements as required.
	1.5	Manage and monitor team members' manual handling tasks 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 time frame requirements.
	2.2	Supervise and 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 complies with specifications.
	2.5	Examine 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, compacting and levelling procedures to comply with specifications.
	4.3	Manage concrete finish in compliance with specifications.
	4.4	Check completed work for compliance co-ordinate 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 improving.
	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 a group 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 (equivalency to be determined) CPCCCO4001A Supervise concreting work.

Links

Companion Volume Implementation Guide: to be added.

Assessment Requirements for CPCCCO4001 Supervise concreting work

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by supervising concreting works for one slab on ground and one suspended slab for low rise construction 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 of performance must be undertaken on a construction worksite.

Candidates must be provided with:

- access to a construction site
- relevant government building legislation codes and standards
- environmental requirements and sustainability principles
- manufacturer's specification and installation instructions
- organisational policies and procedures
- project plans and specifications
- sufficient and equipment and materials to supervise concrete works.

Links

Companion Volume Implementation Guide: to be added.