



Australian Government

CPCCCO3036 Plan concrete work and brief team

Release: 1

CPCCCO3036 Plan concrete work and brief team

Modification History

Release 1.

Supersedes and equivalent to CPCCCO3036A Plan concrete work and brief team.

The unit of competency was updated to the Standards for Training Packages 2012.

This version first released with CPC Construction, Plumbing and Services Training Package Version 4.0.

Application

This unit of competency specifies the skills and knowledge required to:

- assess the size and scope of concreting tasks
- identify the resources required to complete the tasks on time and within budget
- communicate requirements to team members in preparation for concreting work to commence.

It applies to concreters working as members of a team with at least a moderate degree of autonomy. They would be expected to complete routine activities without close supervision.

Licensing, legislative, regulatory or certification requirements apply to this unit of competency in all states and territories except Tasmania. Relevant state and territory regulatory authorities should be consulted to confirm these requirements.

Pre-requisite Unit

CPCCWHS2001 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.
1. Determine requirements for concreting tasks.	1.1 Review site plans, and evaluate size and complexity of concreting tasks. 1.2 Assess site access, egress information and traffic management plan, and negotiate additional provisions or changes as required. 1.3 Assess provisions for site storage and amenities, and

	negotiate additional provisions or changes as required. 1.4 Assess work specifications, and identify and sequence project stages to meet project timelines for completion. 1.5 Assess concurrent work of other construction teams and establish or confirm communication channels.
2. Plan for concreting tasks.	2.1 Assess type of concrete and curing time in predicted weather conditions for each pour and schedule tasks to meet project requirements. 2.2 Review work health and safety (WHS) and environmental requirements, and apply to planning. 2.3 Develop or adapt safe work method statements (SWMSs) for individual tasks in accordance with workplace procedures and safety requirements. 2.4 Assess potential hazards and contingencies and develop risk controls. 2.5 Calculate dimensions of each concrete pour and calculate, document and source material in preparation for work to commence on time and on budget. 2.6 Identify, document and source plant, tools and equipment required for each project stage in line with task schedule to ensure availability on site. 2.7 Identify, document and source plant, tools and equipment required for each project stage in line with task schedule to ensure availability on site.
3. Determine and source labour for concreting tasks.	3.1 Determine specialised skill requirements for different task stages and assess skills of available team members to identify skill shortages. 3.2 Recruit additional team members with required skills within required timeframe to ensure prompt start to work. 3.3 Allocate team members to tasks and document human resource requirements for all task stages.
4. Brief team members about concreting tasks.	4.1 Arrange or conduct site tour and induction for site safety and environmental requirements in accordance with task and workplace requirements. 4.2 Explain and discuss details of task allocations and scheduling, and confirm team understanding of work requirements. 4.3 Explain concurrent work of other construction teams and communication channels to team members, and confirm their understanding. 4.4 Explain risk controls and provisions for dealing with risks,

	hazards, and contingencies to team members and confirm their understanding. 4.5 Encourage team members to clarify work requirements and to suggest process improvements at all stages.
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Foundation Skills

This section describes the language, literacy, numeracy and employment skills essential to performance in this unit but not explicit in the performance criteria.

- oral communication skills to:
- liaise with site personnel
- discuss cause of problems
- report work site hazards, including faults in tools, equipment and materials
- provide feedback.

Unit Mapping Information

Supersedes and is equivalent to CPCCCO3036A Plan concrete work and brief team.

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 CPCCCO3036 Plan concrete work and brief team

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Performance Evidence

To demonstrate competency in this unit, a person must plan concrete work and brief teams for three separate concrete projects, each measuring a minimum of 100 square metres.

In doing this, the person must meet the performance criteria for this unit.

Knowledge Evidence

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

- jurisdictional work health and safety (WHS) and environmental legislation and regulations relating to planning concreting tasks, including:
 - job safety analyses (JSAs)
 - safe work method statements (SWMSs)
 - safety data sheets (SDSs)
 - safety manuals and instructions for plant, tools and equipment
 - signage
 - environmental and work site safety plans
 - clean-up management
 - dust and noise control
 - stormwater management
 - vibration management
 - waste management
- risks, hazards and contingencies relating to concrete work and effective management strategies
- compliance requirements of regulations and standards relating to concrete work, including:
 - relevant sections of Australian Standard (AS) 1379 Specification and supply of concrete
 - relevant sections of AS 3600 Concrete structures
- processes for all aspects of planning concrete work and briefing teams

- project management principles and strategies used in concrete work
- plant, tools, equipment and materials required for concrete work
- project stages for concreting work, including:
 - work preparation:
 - fitting personal protective equipment (PPE)
 - selecting and checking tools and equipment
 - site preparation:
 - excavation
 - formwork
 - subgrade
 - delivery
 - pouring
 - compaction
 - levelling
 - finishing
 - curing
 - site clean-up
- types of concrete, their applications and curing times in different weather conditions
- specialised skills requirements for concreting workers, including:
 - decorative concreting
 - cutting and coring
 - concrete repair.

Assessment Conditions

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

Assessment of performance must be undertaken in the workplace or in a simulated workplace environment. Tasks are to be performed to the level of proficiency and within the time limits expected in a workplace.

Assessors are responsible for ensuring that the person demonstrating competency has access to:

- work site and specifications for concreting tasks
- appropriate documents, materials, tools, equipment and PPE currently used in industry
- computer with printer, software and internet connection
- requirements of appropriate sections of legislation and regulations
- relevant workplace policies and procedures.

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