



Australian Government

Assessment Requirements for CPCCCO2014 Carry out concrete work

Release: 2

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Modification History

Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.

Correction to Foundation Skills.

Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

Supersedes and is equivalent to CPCCCO2014A Carry out concrete work.
Updated to meet the Standards for Training Packages.

Performance Evidence

To demonstrate competency in this unit, a person must carry out concrete work in three concreting projects. Each project must:

- use a minimum of two cubic metres of concrete
- incorporate a minimum of two different finishes.

At least one project must contain angled formwork and bent reinforcement.

In doing this, the person must meet the requirements of the unit's elements and associated performance criteria:

- determining requirements to carry-out concrete work
- preparing to carry-out concrete work\
- setting-out for concrete work
- constructing and installing reinforcement for concrete work
- erecting formwork for concrete work
- carrying out concrete work
- stripping formwork from concrete work
- cleaning-up after completing concrete work.

Knowledge Evidence

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

- rules and guidelines for using explosive power tools under applicable Commonwealth, state or territory legislation, standards and codes of practice. These include requirements for work health and safety and protection of the environment:
 - job safety analyses (JSAs)

- safe work method statements (SWMSs)
- safety data sheets (SDSs)
- safety manuals and instructions for plant, tools and equipment
- signage and barricades
- personal protection equipment (PPE)
- working at heights requirements
- environmental and work site safety plans
- requirements of state and territory regulators, Australian standards and the National Construction Code (NCC) relating to carrying out concrete work
- site and equipment safety requirements, including:
 - job safety analysis (JSA) and safe work method statements (SWMS)
 - safety data sheets (SDS)
- workplace requirements for all aspects of carrying out concrete work including interpreting work orders and reporting problems
- interpreting engineering drawings and specifications
- processes for determining materials quantities
- quality requirements
- concreting work, including:
 - beams
 - columns
 - footings
 - footpaths
 - lintels
 - pads
 - ramps
 - repairing of kerb and channel
 - slabs on ground
 - stairs
 - structural members
 - suspended slab
 - walls
- concrete characteristics and properties
- concreting principles
- steel reinforcement characteristics
- structural technology principles relative to minor concreting works
- concreting equipment types, characteristics, technical capabilities and limitations, including:
 - bolt cutters
 - brushes
 - buckets
 - chutes

- curing agent applicator
- edging tools
- floats
- hammers
- hoses
- kibble
- mesh guillotine
- nips
- rakes
- reinforcement benders
- rods
- screeds
- short handle shovels
- shutters
- sponges
- steam generator
- tarpaulins
- tremies
- trowels
- vibrators
- wheelbarrows
- types of concreting formwork, their applications and installation methods, including:
 - expanded polystyrene
 - fiberglass
 - masonry
 - plywood
 - steel shutters
 - structural cardboard
 - timber
- concreting processes and equipment, including:
 - setting out
 - erecting formwork
 - transporting concrete, including:
 - crane and kibble
 - pre-mix truck
 - pumping equipment
 - wheelbarrow
 - placing concrete, including:
 - kibble
 - pumping equipment

- shoveling
- tremies
- truck placed
- vibrating
- wheelbarrow
- materials handling methods
- finish techniques, including:
 - broom finished
 - brushed
 - using bull float
 - using mechanical troweling machine
 - using steel trowel
 - using wood float
- curing, including:
 - applied moisture
 - coating with a membrane
 - curing compound
 - flooding
 - plastic sheeting
 - steam.

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.

Candidates must have access to:

- industry-standard equipment used to perform the tasks specified in performance evidence
- appropriate workplace information and records, including policies, procedures and legislative requirements.

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>