



**Australian Government**

# **CPCCCA3020 Erect and dismantle jump form formwork**

**Release: 1**

# CPCCCA3020 Erect and dismantle jump form formwork

## Modification History

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

Supersedes and is equivalent to CPCCCA3020A Erect and dismantle jump form formwork. Updated to meet the Standards for Training Packages 2012.

## Application

This unit of competency specifies the skills and knowledge required to erect and dismantle jump-form formwork for concrete-pouring activities to construct wall structures where the formwork process is continuous, meeting all relevant requirements of the National Construction Code (NCC), Australian Standards, work health and safety (WHS), and Commonwealth and state or territory legislation.

The unit includes curved and straight jump-form formwork, which is erected and then moved to its next position.

Jump-form formwork requires work as a member of a mixed trades team, including carpenters, riggers, electricians, concreters and steel fixers.

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 *CPCCWHS1001 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

CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry.

## Unit Sector

Carpentry and Joinery

## Elements and Performance Criteria

Elements describe the essential outcomes.

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

- 1 Plan and prepare.
  - 1.1 Read and interpret work instructions and plan sequence of work.
  - 1.2 Plan all work to comply with laws and regulations, the National Construction Code (NCC), Australian Standards, work health and safety (WHS) and environmental requirements, manufacturers' specifications, workplace requirements, drawings and specifications.
  - 1.3 Select tools and equipment, check for serviceability and report any faults.
  - 1.4 Select and use personal protective equipment (PPE) for each part of the task.
  - 1.5 Inspect work site, locate services, assess hazards and apply risk controls, including required signage and barricades.
  - 1.6 Select materials required for task, calculate quantities, handle safely and prepare and position ready for use.
- 2 Set out formwork.
  - 2.1 Locate set out points and lines to engineer's drawings, survey datum points, and site drawings.
  - 2.2 Locate jump-form formwork to set out.
- 3 Assemble core form system.
  - 3.1 Erect and fix internal prefabricated system wall form shutters into location.
  - 3.2 Fit system onto concrete nib walls at heights consistent with requirements.
  - 3.3 Install shear key feet.
  - 3.4 Fit platforms and assembly into core.
  - 3.5 Fit structural steel system grid work and hydraulic hose lines.
  - 3.6 Suspend wall form shutters and fit system cladding and platforms.

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|---|----------------------------------|-----|---|
| 4 | Locate and install penetrations. | 4.1 | Set out locations and dimensions of penetrations to designated tolerance.                                       |
|   |                                  | 4.2 | Construct penetrations, block-outs and cast-in services.  |
|   |                                  | 4.3 | Install penetrations.   |
|   |                                  |     |   |
| 5 | Jump the formwork.               | 5.1 | Erect and fix external prefabricated system wall shutters.  |
|   |                                  | 5.2 | Loosen and strip shutters to manufacturers' and WHS requirements.   |
|   |                                  | 5.3 | Instruct rigger to activate electric or hydraulic jacking of the system to the new position.                    |
|   |                                  | 5.4 | Install trailing platforms.   |
|   |                                  | 5.5 | Dismantle formwork.   |
|   |                                  |     |   |
| 6 | Clean up.                        | 6.1 | Clean up, meeting all legislative and workplace requirements for safety, waste disposal and materials handling. |
|   |                                  | 6.2 | Check, maintain and store tools and equipment and report any faults.  |

## 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 CPCCCA3020A Erect and dismantle jump-form formwork.

## Links

Companion Volume implementation guides are found in VETNet -

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