



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **BCG1010A Carry out concreting to simple forms**

**Release: 1**

## **BCG1010A Carry out concreting to simple forms**

### **Modification History**

Not applicable.

### **Unit Descriptor**

Not applicable.

### **Application of the Unit**

Not applicable.

### **Licensing/Regulatory Information**

Not applicable.

### **Pre-Requisites**

Not applicable.

### **Employability Skills Information**

Not applicable.

### **Elements and Performance Criteria Pre-Content**

Not applicable.

## Elements and Performance Criteria

### Elements and Performance Criteria

<b>Element</b>	<b>Performance Criteria</b>
1 Select tools and equipment	1.1 Metadata only. Please contact NTIS/DEEWR
2 Erect and strip simple formwork	2.1 Metadata only. Please contact NTIS/DEEWR
3 Place and tie reinforcement	3.1 Metadata only. Please contact NTIS/DEEWR
4 Place concrete	4.1 Metadata only. Please contact NTIS/DEEWR
5 Clean up	5.1 Metadata only. Please contact NTIS/DEEWR

### Required Skills and Knowledge

Not applicable.

## Evidence Guide

Competency is to be demonstrated by the safe installation of formwork, reinforcement and concrete using any two of the simple forms listed within the range of variables statement relevant to the work orientation.

### (1) Critical Aspects and Evidence

It is essential that competence is observed in the following aspects:

- demonstrate compliance with Occupational Health and Safety regulations applicable to workplace operations

- indicate compliance with organisational policies and procedures including Quality Assurance requirements

- carry out correct procedures prior to and during construction processes

- demonstrate safe and effective operational use of tools, plant and equipment

- interactively communicate with others to ensure safe and effective operations

### (2) Pre-requisite Relationship of Units

Pre-requisites in this unit are:

- BCG1001A Carry out OH&S requirements

- BCG1005A Use hand and power tools

- BCG1006A Use small plant and equipment

### (3) Underpinning Knowledge and Skills

Knowledge

A knowledge of:

- workplace and equipment safety requirements

- hand tools and equipment

- materials

- materials handling

- measurement

- transporting, placing concrete

- levelling equipment

- simple formwork and reinforcement componentry

- select and handle materials appropriate to concreting processes

Skills

The ability to:

- work safely to instructions

- measure relative to the concreting process

- use power tools and hand tools

- use simple levelling equipment

- communicate effectively

- select and handle materials appropriate to concreting processes

### (4) Resource Implications

The following resources should be made available:

- general construction materials relevant to forming, reinforcing and placement of concrete

- hand tools and power tools appropriate to construction process

- tools and equipment appropriate to construction process

- suitable work area appropriate to concreting process

- information relevant to OH&S requirements

### (5) Method of Assessment

Competency shall be assessed while work is undertaken under direct supervision with regular checks, but may include some autonomy when working as part of a team.

Competency in this unit may be determined concurrently, based on integrated project work. Assessment may be by intermittent checking at the various stages of the job application in accordance with the performance criteria.

#### **(6) Context of Assessment**

Competency shall be assessed in the workplace or simulated workplace environment in accordance with work practices and safety procedures.

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## Range Statement

This unit applies to placing concrete to simple forms and excavations which includes:

- post holes
- trench foundations
- pad foundations
- slabs
- pathways
- simple concrete aprons
- channels
- garden edges

Concrete placement methods include:

- shovel
- wheelbarrow
- shute
- pump line

Personal protective equipment may include:

- overalls
- boots
- hard hat/cap
- safety glasses/goggles
- gum boots
- face masks
- waterproof pants and jacket

Concrete finishes include:

- wood floated
- steel floated
- broom brushed

Formwork in this unit applies to edging forms where structural components would include:

- edge boards
- pegs
- struts
- bracing

Work is to be undertaken in a team situation or individually under supervision.

Reporting of faults maybe verbal or written.

Excess material and debris includes:

- excavated loose soil
- off cut timber
- paper
- rags
- sticks
- nails

OH&S requirements are in accordance with State/Territory legislation.

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## **Unit Sector(s)**

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