

# Unit of Competency CPCCCA3005

## Construct ceiling frames

### Application

This unit of competency specifies the skills and knowledge required to plan, prepare, set-out, construct and erect timber ceiling frames to accommodate ceiling joists, hanging beams, strutting beams, combined hanging/strutting beams, and combined strutting/counter beams, 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 selection of members and setting out of ceiling frames in conjunction with roof members.

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.

### Prerequisite Unit

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

### Elements and Performance Criteria

1. Plan and prepare.	<ul style="list-style-type: none"><li>1.1 Read and interpret work instructions and plan sequence of work.</li><li>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.</li><li>1.3 Select tools and equipment, check for serviceability and report any faults.</li><li>1.4 Select and use personal protective equipment (PPE) for each part of the task.</li><li>1.5 Inspect work site, locate services, assess hazards and apply risk controls, including required signage and barricades.</li><li>1.6 Select ceiling frame materials required for task, calculate quantities, handle safely and prepare and position ready for use.</li></ul>
2. Set out ceiling.	<ul style="list-style-type: none"><li>2.1 Identify rafter positions for roof type and set out on top plates to determine ceiling joist positions.</li><li>2.2 Set out location of ceiling joists on the top plate to specifications and spacing requirements of ceiling lining.</li><li>2.3 Design and set out for ceiling joist support members to meet the requirements of AS 1684 Residential timber-framed construction.</li><li>2.4 Cut and install ceiling joists, trimmers, hanging beams, counter beams, strutting beams and combinations of these components</li></ul>

	as per AS 1684.	
3. Clean up.	3.1	Clean up, meeting all legislative and workplace requirements for safety, waste disposal and materials handling.
	3.2	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 CPCCCA3005B Construct ceiling frames.

## Links

Companion Volume Implementation Guide:

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

# Assessment Requirements for CPCCCA3005 Construct ceiling frames

## Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by planning, setting out, constructing and erecting a timber ceiling frame for structure with a minimum of three rooms and minimum area of 30 square metres.

## Knowledge Evidence

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

- compliance requirements of the National Construction Code and Australian Standards relevant to constructing ceiling frames, including AS 1684 Residential timber-framed construction
- workplace quality policies and standards for constructing ceiling frames
- safety requirements for constructing ceiling frames:
  - working at heights
- waste disposal requirements relevant to constructing ceiling frames
- materials handling relevant to constructing ceiling frames
- correct use of tools and equipment used to construct ceiling frames
- processes for:
  - setting out and measuring materials for ceiling frames
  - calculating material requirements for ceiling frames
- materials for constructing ceiling frames:
  - types of timber
  - engineered timber products and their structural properties and applications.

## Assessment Conditions

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

This unit must be assessed in the workplace or a close simulation using realistic workplace conditions and standards, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

## Links

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