



**Australian Government**

# **AHCLSC304 Erect timber structures and features**

**Release: 1**

## AHCLSC304 Erect timber structures and features

### Modification History

| Release Number | TP Version | Comments        |
|----------------|------------|-----------------|
| 1              | AHCv1.0    | Initial release |

### Application

This unit of competency describes the skills and knowledge required to erect timber structures and features as a component of landscape project works.

This unit applies to individuals who take responsibility for own work and for the quality of the work of others. They use discretion and judgement in the selection, allocation and use of available resources. All work is carried out to comply with workplace procedures.

No occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication.

### Pre-requisite Unit

Nil.

### Unit Sector

Landscape (LSC)

### Elements and Performance Criteria

| Element                                         | Performance criteria                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Elements describe the essential outcomes.       | Performance criteria describe the performance needed to demonstrate achievement of the element.                                                                                                                                                                                                                                                                   |
| 1. Plan and prepare work                        | 1.1 Interpret plans and specifications<br>1.2 Check the quantity and quality of materials to ensure they conform to design drawings and specifications<br>1.3 Select tools and equipment and check for serviceability<br>1.4 Identify hazards, assess risks and implement controls accordingly<br>1.5 Select and use suitable personal protective equipment (PPE) |
| 2. Set out the site and prepare the profile and | 2.1 Determine and locate services<br>2.2 Mark out the position of the structure or feature                                                                                                                                                                                                                                                                        |

| Element                                    | Performance criteria                                                                                                                                                                                                                                                          |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| footings                                   | 2.3 Establish profiles to conform to the nominated tolerances<br>2.4 Excavate and prepare footings according to the type of structure to be erected                                                                                                                           |
| 3. Prepare and cut timber components       | 3.1 Prepare components for assembly<br>3.2 Mark out the length of components and the positions of cuts and joints<br>3.3 Cut, check and accurately drill components in preparation for joining and assembly                                                                   |
| 4. Assemble and erect structure            | 4.1 Fix, join or assemble timber components into position and fix into place<br>4.2 Install remaining components and fix into position<br>4.3 Finish off structure to ensure all components are secure and complete<br>4.4 Apply coatings                                     |
| 5. Check quality of work and clean-up site | 5.1 Inspect the quality of finished works to ensure the required standard has been achieved<br>5.2 Clean debris from structure and site<br>5.3 Dispose of waste material in an environmentally safe and sensitive manner<br>5.4 Clean, store and maintain tools and equipment |

## Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

## Range of Conditions

## Unit Mapping Information

This unit is equivalent to AHCLSC304A Erect timber structures and features.

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

## Assessment Requirements for AHCLSC304 Erect timber structures and features

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### Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- mark out a site for timber structures and features according to design drawings and specifications
- apply a variety of surface finishes
- establish levels and prepare footings where required
- estimate quantities
- use levelling equipment
- excavate footings
- fix, join or assemble timbers using a variety of recognised methods
- use a power tools efficiently and safely

### Knowledge Evidence

The candidate must demonstrate knowledge of:

- the principles and practices for erecting timber structures
- common timber joins
- levelling principles and techniques
- footings for timber structures and their construction methods
- timber fixing methods and products
- timber properties and characteristics

### Assessment Conditions

Assessors must satisfy current standards for RTOs.

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