



Australian Government

AHCLSC318 Erect timber structures and features

Release: 1

AHCLSC318 Erect timber structures and features

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 7.0.

Application

This unit of competency describes the skills and knowledge required to erect timber structures and features as a component of landscape project works, including preparing for work, setting out and preparing site, preparing and cutting timber components, assembling and erecting structure, checking and cleaning up site.

The unit applies to individuals who erect timber structures and features under broad direction, and take responsibility for their own work and for the quality of the work of others.

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

Pre-requisite Unit

Nil

Unit Sector

Landscape (LSC)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan and prepare work	1.1 Interpret site plan and specifications 1.2 Identify potential hazards and risks, and implement safe working practices to manage risks 1.3 Check quantity and quality of materials 1.4 Select tools and equipment required for construction work and check for safe operation

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.5 Select, fit, use and maintain personal protective equipment (PPE) applicable to task
2. Set out the site and prepare the profile and footings	2.1 Determine, locate and mark out services from site plan 2.2 Mark out position of structure or feature according to design drawings and specifications 2.3 Establish profiles to conform to nominated tolerances 2.4 Excavate and prepare footings according to type of structure to be erected
3. Prepare and cut timber components	3.1 Identify and select timber according to site plan and specifications 3.2 Prepare components for assembly 3.3 Mark out length of components and positions of cuts and joints 3.4 Cut, check and accurately drill components using hand or power tools as required
4. Assemble and erect structure	4.1 Identify and select hardware 4.2 Determine if protective coating is required and, if so, select and apply 4.3 Fix, join or assemble timber components into position and fix into place 4.4 Install bracing according to site plan and specifications 4.5 Finish off structure to ensure all components are secure and complete 4.6 Apply protective treatments according to site plan and specifications
5. Check quality of work and clean-up site	5.1 Inspect quality of finished works according to site plan and specifications 5.2 Clean debris from structure and site 5.3 Dispose of or recycle waste material from site 5.4 Clean, maintain and store tools and equipment 5.5 Identify and report unserviceable tools and equipment according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Oral communication	Use clear language and standard industry terminology to report tool and equipment unserviceability
Numeracy	- Calculate quantities of material, take measurements, read and use tape measures and scale rulers - Set out right angles using 3:4:5 method

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCLSC318 Erect timber structures and features	AHCLSC304 Erect timber structures and features	Minor changes to application Minor changes to performance criteria Foundation skills added Assessment requirements updated	Equivalent

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCLSC318 Erect timber structures and features

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 7.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has erected timber structures and features on at least two occasions and has:

- interpreted site plans, design drawings and specifications
- applied workplace health and safety requirements, including fitted and used personal protective equipment (PPE)
- selected, used and maintained tools and equipment required for erecting timber structures and features
- set out and prepared site for timber structures and features
- marked out a site for timber structures and features according to site plans, design drawings and specifications
- established levels and prepared footings where required
- used levelling equipment
- excavated footings
- identified and selected timber according to site plans and specifications
- measured and marked out timber
- selected and used hand and power tools relevant to timber structures and features
- selected hardware according to site plans and specifications
- fixed, joined or assembled timbers
- applied protective treatments
- checked quality of work and cleaned up site
- reported unserviceable tools and equipment.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- principles and practices for erecting timber structures and features, including:

- Australian standards and codes relevant to timber structures and features
- industry standard terminology relevant to timber structures and features
- levelling principles and techniques
- footings for timber structures and their construction methods
- timber fixing and joining methods and hardware products
- timber properties, characteristics and defects
- use of hand and power tools relevant to timber structures and features
- protective treatments
- workplace requirements applicable to health and safety in the workplace for erecting timber structures and features, including appropriate use of PPE.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - a workplace setting or an environment that accurately represent workplace conditions
 - assessment of this competency can be conducted as part of a team working on a large group project
- resources, equipment and materials:
 - workplace procedures applicable to erecting timber structures and features
 - materials, tools and equipment applicable to erecting timber structures and features
 - PPE applicable to erecting timber structures and features
- specifications:
 - workplace requirements applicable to health and safety in the workplace for erecting timber structures and features
 - site plans, design drawings and specifications applicable to erecting timber structures and features
 - Australian standards and codes relevant to timber structures and features
- timeframes:
 - according to job requirements.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>