



**Australian Government**

# **AHCARB317 Dismantle trees**

**Release: 1**

## AHCARB317 Dismantle trees

### Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 5.0.

### Application

This unit of competency describes the skills and knowledge required to dismantle trees in close proximity to structures and other assets and in difficult or hazardous circumstances using a specialised range of methods, tools, equipment and materials and requiring the application of extensive arboricultural knowledge.

The unit applies to individuals who work in arboriculture under broad direction and take responsibility for their own work. They use discretion and judgement in the selection, allocation and use of available resources and for solving problems.

The arboriculture industry requires that all tree dismantling work is undertaken according to preferred industry practices (as outlined in the Companion Volume).

Legislation, regulations and by-laws relating to the treatment and removal of trees apply in some states and territories.

### Pre-requisite Unit

Nil

### Unit Sector

Arboriculture (ARB)

### 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. Prepare for tree removal	1.1 Determine access to site and confirm approval for works to commence 1.2 Confirm site preparations, including notification of stakeholders

<b>Elements</b>	<b>Performance Criteria</b>
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	<p>1.3 Undertake a site-specific job safety analysis (JSA), and record and implement site-specific control measures according to workplace safety procedures</p> <p>1.4 Inspect tree to identify structural defects and appropriate removal methods</p> <p>1.5 Determine a dismantling strategy identifying potential drop or lowering zones and providing safety zones for load, tools and equipment</p> <p>1.6 Review dismantling strategy with work crew and adjust according to feedback</p> <p>1.7 Protect property and vegetation assets in the work zone from potential damage</p> <p>1.8 Confirm availability of emergency response resources and safety procedures</p> <p>1.9 Select and prepare tools, equipment and machinery and conduct pre-operation and safety checks</p> <p>1.10 Select, check and use personal protective equipment</p>
2. Design and prepare rigging system	<p>2.1 Design rigging system according to dismantling strategy</p> <p>2.2 Select appropriate anchor and attachment points</p> <p>2.3 Estimate force applied to tree structure and to rigging equipment during planned rigging operations</p> <p>2.4 Design rigging system to allow for load, impact of force and structural integrity of tree</p> <p>2.5 Consider breaking strength, working load limits and safety factor of equipment in use</p> <p>2.6 Discuss and confirm rigging system with work team</p> <p>2.7 Select rigging equipment, inspect for defects, and repair, replace or remove from service damaged components according to workplace safety procedures</p> <p>2.8 Assemble and configure rigging equipment into selected rigging system and install at anchor point</p>
3. Implement dismantling of trees	<p>3.1 Coordinate and sequence work with work team during operations using communication methods agreed with work team for site environment</p> <p>3.2 Access tree crown safely according to dismantling strategy</p>

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	<p>and workplace safety procedures</p> <p>3.3 Select and apply rigging or dismantling techniques in correct sequence to dismantle tree according to determined dismantling strategy</p> <p>3.4 Plan each cut and install rigging equipment according to rigging system design and manufacturer instructions</p> <p>3.5 Check rigging assembly is correctly installed and safe to use prior to performing cut</p> <p>3.6 Accurately apply a selection of cuts to achieve directional felling and controlled rigging and dismantling of the tree crown and trunk</p> <p>3.7 Perform cuts from a safe and secure work position using industry standard cutting techniques</p> <p>3.8 Monitor and adjust dismantling process as required to maintain a safe and efficient workflow</p> <p>3.9 Dismantle tree by sections into drop zone according to industry standards</p>
4. Complete tree removal activities	<p>4.1 Clean, check, maintain and store tools and equipment according to workplace procedures</p> <p>4.2 Maintain records according to workplace procedures</p> <p>4.3 Report completion of tree removal to stakeholder</p>

## 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.*

<b>Skill</b>	<b>Description</b>
Writing	<ul style="list-style-type: none"> <li>Accurately complete organisational documents, including job safety analysis and records, using clear language, grammar and industry terminology</li> </ul>
Oral communication	<ul style="list-style-type: none"> <li>Clearly explain detailed information using language, tone and pace appropriate to work team when discussing rigging systems and communicating during dismantling work</li> </ul>

Skill	Description
Numeracy	<ul style="list-style-type: none"> <li>Interpret numerical information and calculate volume, weight and dimension of tree components when estimating the forces on rigging equipment</li> </ul>

## Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCARB317 Dismantle trees	AHCARB305 Dismantle trees	Prerequisite units removed Element added Performance criteria added, clarified or removed Foundation skills added Assessment requirements updated	Not equivalent
AHCARB317 Dismantle trees	AHCARB310 Perform aerial rigging	Some content is covered in this redesigned unit	Not equivalent
AHCARB317 Dismantle trees	AHCARB311 Tie, dress, set and finish arborist knots	Some content is covered in this redesigned unit	Not equivalent

## Links

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