



Australian Government

AHCARB320 Install tree support systems

Release: 1

AHCARB320 Install tree support systems

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 install tree support systems including cable and bracing hardware into the structure of a tree.

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 support systems 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 work	1.1 Read and interpret arborist plans and specifications for tree support system for specified tree 1.2 Determine and obtain materials required for installing tree support system 1.3 Undertake a site-specific job safety analysis (JSA), record and

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<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	<p>implement control measures according to workplace safety procedures</p> <p>1.4 Select tree support system tools and equipment for tree support system activity</p> <p>1.5 Select, check and use personal protective equipment</p> <p>1.6 Confirm availability of first aid and emergency personnel, equipment and procedures</p> <p>1.7 Assemble and position tools, equipment and materials for ease of access during installation</p>
2. Prepare trees for tree support system	<p>2.1 Locate tree stems and position of tree support system according to specifications</p> <p>2.2 Assess structural integrity of tree and select low-risk access method for tree support system installation</p> <p>2.3 Determine a safe procedure for installation and confirm approach with work team</p> <p>2.4 Access tree safely and attain secure work positions to conduct installation</p> <p>2.5 Maintain inspection of tree for above-ground hazards throughout installation activities</p> <p>2.6 Examine stems to be braced for defects to ensure tree support system will comply with specifications</p> <p>2.7 Undertake pruning activities prior to tree support system installation according to current industry standards</p>
3. Install tree support system	<p>3.1 Select and prepare tree support system materials according to specifications</p> <p>3.2 Prepare the stems to be braced according to tree support system design</p> <p>3.3 Install tree support system components according to arborist specifications and manufacturer instructions</p> <p>3.4 Adjust cables and braces to specified tension</p> <p>3.5 Dress tree support system components for neat finish</p> <p>3.6 Remove tools, equipment and waste from canopy</p> <p>3.7 Descend and remove equipment</p>
4. Finalise tree support	4.1 Clean and sanitise tools and equipment according to workplace

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
system activity	and biosecurity procedures 4.2 Check, maintain and store tools and equipment according to workplace procedures and manufacturer instructions 4.3 Record and report completed works 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
Reading	<ul style="list-style-type: none"> Interpret and consolidate information from plans and specifications for design requirements and prepare for the installation of tree support systems
Writing	<ul style="list-style-type: none"> Accurately record and complete organisational documents, including job safety analysis (JSA) and records, using clear language and correct spelling, grammar and industry terminology
Numeracy	<ul style="list-style-type: none"> Interpret and calculate numerical information from specifications to determine the size and dimensions of materials required to construct tree support systems

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCARB320 Install tree support systems	AHCARB308 Install cable and bracing	Title changed Element added Performance criteria clarified Foundation skills added Assessment requirements	Equivalent

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Links

Companion Volumes, including Implementation Guides, are available at VETNet: Companion Volumes, including Implementation Guides, are available at VETNet: -

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