



Australian Government

AHCARB513 Examine and assess trees

Release: 1

AHCARB513 Examine and assess 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 examine and assess tree health, structure, age, taxonomy, risk, amenity value and significance, and compile a tree assessment report.

The unit applies to individuals who work in arboriculture and analyse information and exercise judgement to complete a range of advanced skilled activities and demonstrate deep knowledge in a specific technical area. They have accountability for the work of others and analyse, design and communicate solutions to a range of complex problems.

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 assessment	1.1 Identify scope of survey according to client brief 1.2 Select, check and use personal protective equipment 1.3 Locate tree and document tree position according to client brief 1.4 Identify and record tree species and determine implications on brief

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 Assess and consider tree health that impacts on brief 1.6 Estimate age of tree, tree parts and defects
2. Acquire data for valuation	2.1 Determine and record tree dimensions according to client brief 2.2 Investigate and assess tree for indicators of habitat and ecological significance 2.3 Investigate and assess tree for historical and cultural significance 2.4 Investigate statutory controls on tree 2.5 Record outcomes of investigation of tree significance and restrictions
3. Assess value of trees	3.1 Select and compare amenity tree valuation methods 3.2 Collect and collate unit values and data required for selected tree valuation methods 3.3 Calculate and record amenity value of individual trees 3.4 Compare results and account for different values for selected methods 3.5 Consider and communicate value of trees captured by amenity valuation
4. Acquire data for tree risk assessment	4.1 Assess relationship of tree to potential targets 4.2 Inspect tree for visual indicators of likely failure of tree or tree parts 4.3 Use basic diagnostic tools to confirm presence and extent of hazards 4.4 Assess likely impact of wind loading on potential for failure of tree 4.5 Assess hazards and determine likelihood of failure
5. Undertake tree risk assessment calculations	5.1 Select tree risk assessment methods and determine their limitations 5.2 Determine target of concern and occupation rate 5.3 Determine tree components of concern and their likelihood of failure 5.4 Determine likelihood of impact of tree on target 5.5 Determine likely consequence of impact of target and tree components

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	5.6 Calculate and document determinations and level of risk according to client brief
6. Document and communicate tree risk assessment	6.1 Provide client with benchmarks and context for risk assessment results 6.2 Determine and document potential risk mitigation controls and estimate residual risk of each control 6.3 Recommend timeframe for implementation of risk mitigation controls 6.4 Recommend follow-up inspection type and timeframe 6.5 Consider risk against value of tree 6.6 Produce a tree risk assessment report

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
Writing	Create logical, accurate and succinct reports with recommendations that include complex issues for risks and valuation of trees
Numeracy	Identify numerical information for use in complex formulae for calculating the value of trees

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCARB513 Examine and assess trees	AHCARB601 Examine and assess trees	Code changed to reflect AQF alignment Removed prerequisite units	Equivalent

		Elements and performance criteria clarified Foundation skills added Assessment requirements updated	
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Links

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