

## Modification history

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 7.0.
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0.

AHCLSC503	Manage a tree transplanting program
<b>Application</b>	<p>This unit of competency describes the skills and knowledge required to manage a tree transplanting program, including assessing sites and trees, determining transplanting requirements, and documenting tree transplant program.</p> <p>The unit applies to individuals who apply specialist skills and knowledge to managing tree transplanting programs, take personal responsibility and exercise autonomy in undertaking complex work. They analyse and synthesise information, and analyse, design and communicate solutions to sometimes complex problems.</p> <p>All work is carried out to comply with workplace procedures, health and safety in the workplace requirements, legislative and regulatory requirements, and sustainability and biosecurity practices.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
<b>Prerequisite Unit</b>	Nil
<b>Unit Sector</b>	Landscape (LSC)

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. Assess the sites and trees	1.1 Undertake site assessments to identify conditions which may impact upon transplanting activities at the lifting site and the transplant site 1.2 Identify hazards and assess risks associated with work activities, and implement control measures according to workplace health and safety procedures 1.3 Liaise with authorities and information services to determine location of services and utilities, and regulations governing the transplanting and transportation of trees 1.4 Assess trees for viability for transplanting to ensure the best time and conditions are chosen according to tree species characteristics

<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>
2. Determine transplanting requirements	2.1 Identify tools, equipment, machinery and specialist contractors 2.2 Identify tree species to be transplanted 2.3 Determine excavation methods and root ball preparation according to the species characteristics 2.4 Determine crown reduction and protection tasks according to the species characteristics and Australian standards 2.5 Calculate root ball and tree mass to determine appropriate lifting and transport requirements 2.6 Coordinate labour requirements to ensure trees are prepared, lifted, transported and re-installed with minimum stress to the trees, according to workplace health and safety procedures and environmental and biosecurity legislation, regulations and workplace procedures 2.7 Identify a transport route for the size and shape of the tree and road transport vehicle requirements 2.8 Determine and document an aftercare plan outlining monitoring frequency and methods to maintain the health and viability of the transplanted trees in the program
3. Document a tree transplanting program	3.1 Document the transplanting program 3.2 Calculate and document resources and costing details 3.3 Communicate transplanting program for implementation 3.4 Assess completed tree transplanting program according to the identified program and budget guidelines

<b>Foundation Skills</b>	
<i>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.</i>	
<b>Skill</b>	<b>Description</b>
Numeracy	<ul style="list-style-type: none"> <li>Calculate and budget for costs of material, machinery and equipment</li> </ul>

<b>Unit Mapping Information</b>			
<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
AHCLSC503 Manage a tree transplanting program Release 2	AHCLSC503 Manage a tree transplanting program Release 1	Minor changes to application Minor changes to performance criteria Foundation skills added Assessment requirements updated	Equivalent

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

<b>TITLE</b>	<b>Assessment requirements for AHCLSC503 Manage a tree transplanting program</b>
<b>Performance Evidence</b>	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.          There must be evidence that the individual has managed a tree transplanting program on at least one occasion and has:</p> <ul style="list-style-type: none"> <li>• applied relevant workplace health and safety and environmental and biosecurity legislation, regulations and workplace procedures</li> <li>• assessed tree viability for transplantation</li> <li>• liaised with authorities and information services regarding transplanting and transporting trees</li> <li>• calculated project resources and costs</li> <li>• calculated root ball and tree mass and size</li> <li>• assessed crown and root reduction requirements</li> <li>• determined transplant and transportation requirements and removal methods</li> <li>• developed transport plan</li> <li>• developed a budget</li> <li>• documented and communicated transplanting program, contingency planning and after-care plan</li> <li>• assessed and controlled risks.</li> </ul>	
<b>Knowledge Evidence</b>	
<p>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:</p> <ul style="list-style-type: none"> <li>• workplace health and safety and environmental and biosecurity legislation, regulations and workplace procedures relevant to managing a tree transplanting program</li> <li>• principles and practices of tree transplanting management, including:             <ul style="list-style-type: none"> <li>• causes of stress in trees resulting from transplanting, storage and transportation</li> <li>• current practices and techniques in tree preparation, lifting, transportation and replanting</li> <li>• local government tree protection and preservation regulations relevant to tree transplanting</li> <li>• methods of managing tree moving operations</li> <li>• planning considerations and environmental impacts of transplanting activities</li> <li>• requirements for securing and signing trees for road transportation</li> <li>• Australian standards and codes of practice relevant to tree transplanting</li> <li>• tree anatomy, physiology and biochemistry as it relates to transplanting trees</li> <li>• tree transplanting techniques appropriate to the specific requirements of the species</li> <li>• aftercare management.</li> </ul> </li> </ul>	
<b>Assessment Conditions</b>	
<p>Assessment of the skills in this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> <li>• physical conditions:             <ul style="list-style-type: none"> <li>• a workplace setting or an environment that accurately represent workplace conditions</li> </ul> </li> <li>• specifications:             <ul style="list-style-type: none"> <li>• workplace health and safety and environmental and biosecurity legislation, regulations and workplace procedures relevant to managing a tree transplanting program</li> <li>• Australian standards and codes of practice relevant to managing a tree transplanting program</li> <li>• local government tree protection and preservation regulations a tree transplanting program</li> </ul> </li> <li>• relationships:             <ul style="list-style-type: none"> <li>• authorities, staff and specialist sub-contractors</li> </ul> </li> <li>• timeframes:             <ul style="list-style-type: none"> <li>• according to job requirements.</li> </ul> </li> </ul> <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	

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