

Modification history

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 4.0.
Release 1	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 1.0.

AHCARB302	Inspect trees for access and work
Application	<p>This unit of competency describes the skills and knowledge required to inspect a tree from the ground for the selection of access and tree work methods.</p> <p>The unit applies to individuals who work under broad supervision 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.</p> <p>The arboriculture industry requires that all tree inspection work is undertaken according to current industry standards, including Minimum Industry Standard MIS306 Tree Inspection for Access and Work and other relevant Minimum Industry Standards</p> <p>No occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Arboriculture (ARB)

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 tree inspection requirements	1.1 Confirm access to site and location of tree 1.2 Determine the scope of tree works required in consultation with client 1.3 Undertake a site-specific Job Safety Analysis (JSA) and record and implement site-specific control measures according to workplace safety procedures 1.4 Identify above and below ground conductors and determine limits of approach 1.5 Confirm accessibility of first aid and emergency personnel, equipment and procedures 1.6 Select, check and use personal protective equipment
2. Inspect tree and surrounds	2.1 Inspect tree for access and tree work methods 2.2 Identify tree species and assess impact of tree characteristics on selection of access and work method 2.3 Inspect tree surrounds, roots, trunk and branches for potential hazards and compromised structural integrity 2.4 Conduct tests on tree components to determine integrity when visual inspection is insufficient
3. Determine method of access and work method	3.1 Select tree access and tree work methods according to tree inspection results 3.2 Review work health and safety hazards, risk assessment and planned controls for selected method of access and tree work method 3.3 Implement additional control measures, adjust tree access and work methods according to site requirements 3.4 Identify where risks are not sufficiently controlled and seek advice from experienced arborist 3.5 Ensure site work team are advised of hazards identified and control measures to implement

AHCARB302 Inspect trees for access and work

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
4. Maintain records and advise stakeholders	4.1 Document control measures, tree access and work method according to workplace procedures 4.2 Advise stakeholders where tree work is altered or rescheduled according to workplace procedures

Foundation Skills	
<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>	
Skill	Description
Writing	<ul style="list-style-type: none"> Accurately records and completes organisational documentation using clear language, correct spelling, grammar and terminology when reporting and maintaining records and completing job safety analysis
Oral communication	<ul style="list-style-type: none"> Effectively participate in verbal exchanges using collaborative and inclusive techniques, including active listening and open questioning, and reading of verbal and non-verbal signals when communicating with work team

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
AHCARB302 Inspect trees for access and work	AHCARB302 Inspect trees for access and work	Changes to Elements and Performance Criteria for clarity Updated Performance Evidence and Knowledge evidence	Equivalent unit

Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72
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TITLE	Assessment requirements for AHCARB302 Inspect trees for access and work
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has inspected at least six trees for access and tree works including:</p> <ul style="list-style-type: none"> • confirmed access to site and identified tree and scope of works • completed a Job Safety Analysis (JSA) documenting site specific: <ul style="list-style-type: none"> • work health, safety and environmental hazards • risks that were not controlled by the organisational Safe Work Method Statement (SWMS) • risk control measures where required • identification of overhead and underground electrical apparatus and approach distances • selected and used personal protective equipment during tree inspection work • inspected tree for structural defects, disease, insects, fauna and other hazards in trunk, roots and branches that may impact tree access or work • selected an appropriate tree access or tree work method considering: <ul style="list-style-type: none"> • the scope of works required • site and tree hazards identified • limitations imposed by crew skill level and resources available • reviewed work health and safety hazards and risks and planned controls for selected method of access and tree work method • introduced additional control measures, altered tree access and work method according to site requirements • identified where risks prevented tree access, tree work and sought additional advice according to workplace procedures • informed work crew of hazards and control measures to implement during access and tree work • documented control measures, tree access and work method according to workplace procedures • advised stakeholders where tree works were altered or rescheduled according to workplace procedures. <p>All tree inspection work is required to be performed according to current industry standards, including Minimum Industry Standard MIS306 Tree Inspection for Access and Work and other relevant Minimum Industry Standards.</p>	
Knowledge Evidence	
<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"> • current industry standards, including Minimum Industry Standard MIS306 Tree Inspection for Access and Work and other relevant Minimum Industry Standards • the use of organisational policies, procedures and documents to conduct a site-specific Job Safety Analysis (JSA) • personal protective equipment when conducting tree inspections • work health, safety, site, environmental and traffic control measures • tree inspection method/s and principles <ul style="list-style-type: none"> • locating and identifying trees • appropriate tree inspection methodology • determination of location of above-and-below-ground services • methods of identifying tree species • tree species and characteristics that impact on the selection of access to trees and undertaking tree works • selecting tree access and tree work methods that are appropriate for: <ul style="list-style-type: none"> • the scope of works required • site and tree hazards identified • limitations imposed by crew skill level and resources available 	

Knowledge Evidence

- recognising limitations and identifying where risks will affect tree access, work methods and prevent work
- recognising when to seek further advice from experienced arborists
- preparation and use of job safety analysis (JSA) and/or safe work method statement (SWMS) when managing safety risk and local traffic
- safety and procedures when working near overhead power lines
 - basics of electrocution
 - power line types and insulation
 - approach distances and safety zones, voltage and arcing
 - authorisations to work near power lines
 - tools, equipment, tree loads, personnel and power line contact
 - legal liability
- safety procedures when working near underground services including:
 - underground power
 - gas lines
 - wire and optical fibre
 - water
 - damage and legal liabilities
 - safe work practices
- signs of safety risk due to work site environment including:
 - wind and weather conditions
- signs of safety risk due to condition of tree surrounds including:
 - soil disturbance
 - trip hazards
 - excavations
 - other trees
 - foot and vehicle traffic
- signs of safety risk due to roots and trunk flare hazards including:
 - movement
 - decay
 - mechanical damage
 - compromised structure
- indicators of safety risk due to tree trunk and canopy hazards including:
 - structural defects
 - decay
 - disease
 - cavities
 - swellings
 - insects and other fauna
 - integrity of attachment of limbs
 - hangers
 - presence of allergic plants or vines
- field tests on trees to investigate extent of hazards including:
 - load testing
 - probing cavities
 - testing hollows by sounding
- documentation and reporting requirements relevant to tree inspections and communicating with clients.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - access to at least six trees to be assessed with at least one involving close proximity to overhead electrical services

Commented [TV1]: Advice sought on How far is close proximity?

Assessment Conditions

- resources, equipment and materials:
 - personal protective equipment (PPE) used for tree inspections
- specifications:
 - legislation, regulations, codes of practice and standards relating to working near services and power lines
 - current industry standards for tree inspection work, including Minimum Industry Standard MIS306 Tree Inspection for Access and Work and other relevant Minimum Industry Standards
 - documentation for planning and reporting tree inspection work
- relationships:
 - client and work team.

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

In addition, the following specific assessor requirements apply to this unit:

- arboriculture vocational competencies at least to the level being assessed
- current arboriculture industry skills directly relevant to the unit of competency being assessed.

Links

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

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