

Prerequisite competency completion		
Has the candidate successfully completed the prerequisite unit requirements of AHCARB601 Examine and assess trees?	Yes/No (Y/N)	Signed (Initialled)
AHCARB403 Perform a ground-based tree defect evaluation		
AHCARB302 Inspect trees for access and work		
AHCARB313 Identify trees		
Required reports completion		
Has the candidate successfully completed the required reports?	Yes/No (Y/N)	Signed (Initialled)
Tree assessment report		
Expert witness statement		
Tree profile and benefits form		
Disease profile form		
Mandatory Equipment (as a minimum)		
Has each of the mandatory equipment items been used to gather evidence for assessment?	Yes/No (Y/N)	Signed (Initialled)
computer		
word processing software		
internet connection		
digital camera with macro		
personal protective equipment (PPE)		
diagnostic tools including sounding hammer, trowel, probe, cordless drill		
cross-sections of defects, and diseases (where possible)		
soil testing equipment		
basic digital dissection microscope 10 -100x		
compound microscope		
microtome, staining and slide mounting equipment		
slides and coverslips		
temporary/permanent mountant		
histochemical stains		

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Knowledge Evidence		
Has the candidate successfully completed the Knowledge Evidence requirements by demonstrating knowledge of each of the line items below?	Yes/No (Y/N)	Signed (Initialled)
Tree assessment		
tree assessment inspections		
on-site inspections		
interaction of tree physiology, anatomy, pathology and environment		
inspection and assessment of:		
– tree physiology		
– tree anatomy		
– tree pathology		
– tree environment		
– tree health		
tree assessment criteria		
research of historic images of tree or trees of same species in similar environments		
age class:		
– estimate of age of tree, tree part or wound		
estimation of life expectancy		
heritage issues:		
– assessment of tree historical significance		
cultural issues:		
– assessment of tree cultural significance		
tree location		
existing and past site structures		
habitat:		
– assessment of tree indicators of habitat use		
ecology:		
– assessment of tree ecological significance		
other matters relevant to the site		
tree assessment considerations		
tree dimensions and structure:		
– tree height, spread and diameter-at-breast height (DBH)		
– recording the dimensions of the tree		
form and morphology of tree		
symmetry and asymmetry of canopy		

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calculation of tree lean		
relationship of form of crown to surrounding trees and structures		
responsiveness of form of crown to surrounding trees and structures		
determination of the potential impact of wind loading of the tree		
size, location and cause of wounds		
uninodal and multinodal tree species		
growth increments including bud scars, sympodial growth and flush marks		
tree assessment attributes		
component attributes of a tree assessment:		
– identification of tree		
– age		
– health		
– condition		
– habitat		
– wind loading		
– distribution of foliage		
– wound size		
– potential impacts of proposed recommendations		
tree valuation and retention		
methods of calculation of retention value		
evaluation of methods of amenity tree valuation:		
– considering strengths and weaknesses of each method		
determination of amenity tree valuation method to be used:		
– collecting and collating appropriate unit values and data		
calculation of amenity tree value of individual trees		
tree assessment techniques and practices		
data capture procedures		
survey requirements		
tree assessment equipment		
plotting methods on devices, drawings and plans		
estimation of average annual increase in tree diameter		
xylem staining		
visual tree assessment		
visual tree assessment (VTA)		
visual indications and symptoms of disease and health issues		
use of basic diagnostic tools		

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tree structure and stability		
tree risk		
identification and extent of tree hazards		
methods of determining levels of risk		
qualification of tree risk		
quantification of tree risk		
commonly published levels of risk from non-arboricultural activities and items		
identification of hazardous trees		
controls required to mitigate risks:		
– client’s pre-determined threshold of risk		
– determination of appropriate risk controls		
– accordance with the client’s pre-determined threshold of risk		
documenting risk controls and recommendations for monitoring and review of risks		
reports		
diagnosis of tree problems		
remedial action of tree problems:		
– specific recommendations of remedial action of tree problems		
production of a tree assessment report		
expert witness statements:		
– preparation of an expert witness statement		
Performance evidence		
The candidate must be observed inspecting and assessing a broad range of trees for identification, health, growth habit, structure, stability and indications of disease.		
Has the candidate met the performance requirement as per the listed line item below?	Yes/No (Y/N)	Signed (Initialled)
Has the candidate been observed inspecting and assessing a broad range of trees for identification, health, growth habit, structure, stability and indications of disease?		
Has the candidate successfully demonstrated the Performance Evidence requirements of the unit of competency AHCARB601 Examine and assess trees, and as per listed line items below?	Yes/No (Y/N)	Signed (Initialled)
identifying the scope of survey		
determining the client’s risk threshold		
documentation of the data capture procedures		

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identifying, sourcing and recording all current data research relevant to survey requirements		
checking equipment for assessing trees and prepare for use		
selecting, checking and using personal protective equipment		
plotting tree locations on a device, drawing or plan of the site		
determining the tree dimensions and structure		
measuring the tree height, spread and diameter-at-breast height (DBH)		
examining and recording form of tree		
assessing tree for asymmetry of canopy		
assessing if tree has a lean and calculate the lean		
assessing how form of crown relates to or is responsive to surrounding trees and structures		
determining the potential impact of wind loading of the tree		
inspecting tree and recording fruit type and characteristics		
describing leaf morphology for shape, colour and size		
examining and recording buds, branchlets, branches and bark		
inspecting for and describing trichomes on lamina, petiole and branchlets		
describing and recording floral characteristics of structure of inflorescence, location of the flower, flower colour, details of the flower parts present, absent or modified		
examining and record the canopy density and distribution		
assessing recorded leaf colour and size against a healthy specimen		
assessing for the presence of epicormic shoots		
assessing for dead tips or excessive numbers of dead branches		
examining roots, root crown, stem, branches and canopy for signs of biotic and abiotic disease		
evaluating and describing symptoms presenting on tree		
determining how presence of disease might be affecting tree		
recognising and recording wounds to the tree		
considering size, location and cause of wounds		
determining if species is uninodal or multinodal		
recording the dimensions of the tree		
examining tree for evidence of growth increments including bud scars, sympodial growth and flush marks		
estimating average annual increase in diameter of sample of xylem stained as required		

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researching historic images of tree or trees of same species in similar environments		
providing a reasoned estimate of age of tree, tree part or wound		
assessing tree for indicators of habitat use		
assessing tree for ecological significance		
assessing tree for cultural significance		
assessing tree for historical significance		
evaluating various amenity tree valuation methods		
considering strengths and weaknesses of each method		
determining amenity tree valuation method to be used		
collecting and collating appropriate unit values and data		
calculating and recording the amenity value of individual trees		
assessing trees to determine their structure and stability		
consideration of the tree's age, condition, habitat, wind loading, distribution of foliage, wound size and the potential impacts of proposed recommendations		
using testing equipment to detect decay, disease and scope of tree problems		
evaluating visual indications of disease and health issues in trees		
use of visual tree assessment (VTA) method to identify hazards		
use of basic diagnostic tools to confirm the presence and extent of hazards		
determining level of risk		
giving consideration to qualification and quantification of tree risk		
comparing the risk level against commonly published levels of risk from non-arboricultural activities and items		
determining controls required to mitigate risks in accordance with the client's pre-determined threshold		
documenting risk controls and recommendations for monitoring and review of risks		
documenting diagnoses of tree problems with reference to the anatomy, physiology and pathology of the tree		
recording specific recommendations for remedial action for tree problems		
producing a tree assessment report that identifies a hazardous tree and contains recommendations for appropriate remedial actions and risk controls		
preparing an expert witness statement		
use of industry standard terminology to describe arboriculture and the work environment		

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<p>It is an industry requirement for competency that assessment contains a minimum of three (3) trees for assessment that includes:</p> <ul style="list-style-type: none"> • one (1) tree risk assessment report • one (1) amenity tree valuation report • one (1) expert witness statement 			
<p>Assessment conditions</p>			
<p>Assessment may be conducted in a simulated or real work environment; however, determination of competency requires the application of work practices under work conditions.</p>		<p>Yes/No (Y/N)</p>	<p>Signed (Initialled)</p>
<p>Have assessments been demonstrated consistently over time?</p>			
<p>Have assessments been demonstrated in a suitable range of contexts?</p>			
<p>Have assessments been demonstrated with a productivity-based outcome?</p>			
<p>Have assessments been demonstrated with multiple assessment events and reports?</p>			
<p>Assessor Declaration</p>			
<p>Assessors must satisfy current standards for RTOs in the assessment of arboriculture units of competency.</p> <p>Has assessment been conducted only by persons who have:</p>		<p>Yes/No (Y/N)</p>	<p>Signed (Initialled)</p>
<ul style="list-style-type: none"> • arboriculture vocational competencies at least to the level being assessed? 			
<ul style="list-style-type: none"> • current arboriculture industry skills directly relevant to the unit of competency being assessed? 			
<p>Assessor name</p>	<p>Assessor qualification</p>	<p>Year</p>	<p>Full Signature</p>
<p>Competency Determination</p>			
<p>This section determines the skills and knowledge required to examine and assess tree health, age, taxonomy, risk, amenity value and significance, compile tree assessment reports and prepare an expert witness statement.</p>			<p>Competent /Not yet competent</p>
<p>The candidate is competent in examining and assessing trees, developing tree assessment report and preparing an expert witness statement.</p>			

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Competency Assessment Completion		
Assessor name	Date	Full Signature

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