

Prerequisite competency completion		
Not applicable. There are no prerequisite requirements.		
Required reports completion		
Has the candidate successfully completed the required reports ?	Yes/No (Y/N)	Signed (Initialled)
Tree plan drawings in print and file format		
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		
CAD software		
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)
CAD drawings		
computer-aided design (CAD) drawings		
types of drawings		
purpose of drawing		
scope of drawing		
drawing environment		
project personnel		
CAD elements		
layers and layering strategy		
arboricultural library of standard detail and components		
architectural library of standard detail and components		
text and dimension styles		
line types of different thicknesses		
hatch patterns and types		
visual differentiation of plan elements		
title blocks for different drawing sizes		
reference schedules		

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CAD applications		
2-D CAD software programs		
different types of 2-D drawings		
importing digital text and drawing files		
scanning and saving documents as files		
deletion and purging of elements		
notations		
dimensions and scales		
editing commands		
plotting trees		
visual differentiation		
trees to be retained, removed and transplanted		
calculations		
calculation of areas of tree protection zones (TPZs)		
calculation of areas of encroachments		
calculation of distances		
CAD drawing production		
quality control check and document control		
page layout		
scale and lineweights		
drawing file types		
printers and printing requirements		
print parameters		
printing drawings on the correct media		
printing drawings		
correct media		
file directories and drives		
methods of saving files		
file backup		
file retrieval		
completed drawings		

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LOCAL GOVERNMENT TREE RESOURCES ASSOCIATION



Performance evidence		
Has the candidate successfully demonstrated the Performance Evidence requirements of the unit of competency AHCARB507 Generate tree plans using computer-aided design software, and as per listed line items below?	Yes/No (Y/N)	Signed (Initialled)
confirming project requirements for computer-aided design (CAD) drawings		
identifying drawing requirements, purpose and scope and confirm with relevant project personnel		
setting up basic drawing environment		
creating layering strategy as required		
creating arboricultural and architectural library of standard detail and components		
creating text and dimension styles		
creating line types of different thicknesses to provide visual differentiation of plan elements		
creating hatch patterns and types		
setting up title blocks for different drawing sizes		
setting up reference schedules as required		
using 2-D CAD software programs and functions to produce different types of 2-D drawings using appropriate layers as required		
importing digital text and drawing files from other software applications into 2-D CAD drawings		
scanning and save hard copy documents as correct file types to import into 2-D CAD drawings		
deleting or purge elements that are not required from drawings		
adding notations to drawings as required		
adding dimensions and scales to drawings as required		
using editing commands to modify drawing elements and text		
plotting trees with precision		
differentiating visually trees to be retained, removed and transplanted		
calculating areas of tree protection zones (TPZs), encroachments and distances		
undertaking quality control check of drawing		
setting page layout with appropriate scale and lineweights for the drawing file to suit printing requirements		
setting print parameters for the printer		

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printing drawings on the correct media		
creating suitable file directories for the drawing project		
saving drawing files for later retrieval and back up to specified drives or directories		
creating drawing files and send to external personnel for use in different software applications		
creating portable document format (PDF) files for relevant personnel to view completed drawings without using CAD software packages		
Assessment conditions		
Have the assessments incorporated the assessment conditions and met the industry requirements for competency in this unit as per listed line items below?	Yes/No (Y/N)	Signed (Initialled)
Assessment may be conducted in a simulated or real work environment; however, determination of competency requires the application of work practices under work conditions.	Yes/No (Y/N)	Signed (Initialled)
Have assessments been demonstrated consistently over time?		
Have assessments been demonstrated in a suitable range of contexts?		
Have assessments been demonstrated with a productivity-based outcome?		
Have assessments been demonstrated with multiple assessment events and reports?		
Assessor Declaration		
Assessors must satisfy current standards for RTOs in the assessment of arboriculture units of competency. Has assessment been conducted only by persons who have:	Yes/No (Y/N)	Signed (Initialled)
<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? 		
Assessor name	Assessor qualification	Year

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Competency Determination		
This section determines the skills and knowledge required to generate tree plans (drawings) using computer-aided design software.		Competent /Not yet competent
The candidate is competent in generating tree plans using computer-aided design software.		
Competency Assessment Completion		
Assessor name	Date	Full Signature

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