

| Prerequisite competency completion | | |
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| Has the candidate successfully completed the prerequisite unit requirements of AHCARB504 Develop an arboricultural impact assessment report? | Yes/No (Y/N) | Signed (Initialled) |
| AHCARB502 Identify, select and specify trees | | |
| Required reports completion | | |
| Has the candidate successfully completed the required reports? | Yes/No (Y/N) | Signed (Initialled) |
| Preliminary arboriculture report | | |
| Arboricultural impact assessment report | | |
| Tree protection plan | | |
| Tree protection plan (drawing) | | |
| 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 | | |
| personal protective equipment (PPE) | | |
| digital camera/phone camera | | |
| loupe | | |
| basic diagnostic tools including sounding hammer, trowel, probe, cordless drill | | |
| basic soil testing equipment | | |
| trees | | |
| 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 protection | | |
| Tree protection principles and methods: | | |
| – principles and methods relating to protecting trees from human activities | | |
| – principles and methods of mechanical and chemical damage control | | |

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| – principles and techniques of tree protection devices, methods and systems | | |
| installation and construction methods for tree protection | | |
| development and design language | | |
| Site and zone assessment | | |
| assessing site access and logistics | | |
| site assessment | | |
| identification of conditions that impact tree protection programs | | |
| tree genus and species by botanical and common name | | |
| tree dimensions, height, crown spread and diameter-at-breast-height (DBH) | | |
| determination of age class | | |
| estimate of life expectancy | | |
| heritage and cultural issues | | |
| habitat, ecology and other matters relevant to the site | | |
| tree location, existing and past site structures | | |
| methods of calculation of retention value | | |
| compilation of tree assessment data required for report | | |
| recording of trees suitable for retention | | |
| indicative tree protection zones | | |
| impact of proposed development on trees | | |
| extent of encroachment | | |
| structural root zone | | |
| extent and area of structural root zone | | |
| actual tree protection zones | | |
| level of encroachment | | |
| major encroachment | | |
| assessment of a major encroachment: | | |
| – location and distribution of roots | | |
| – potential loss of root mass | | |
| – species tolerance to root loss | | |
| – age, health, size, lean and stability of tree | | |
| impact of major encroachment on health and physiology of tree | | |
| assessment of soil characteristics and volume | | |
| assessment of presence of existing or past structures and design factors | | |

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| minimisation of impact by site and design factors | | |
| remedial protection measures | | |
| Tree protection plans and drawings | | |
| tree protection plans | | |
| tree protection plans (drawings) | | |
| plotting trees/ tree identifiers onto survey plans | | |
| interpretation of existing plans, working drawings, terms and symbols | | |
| recording the actual tree protection zones | | |
| working drawings for on-site personnel for implementation | | |
| tree protection plan and tree protection plan (drawing) | | |
| interpretation of plans and working drawings | | |
| Evidentiary portfolio | | |
| tree protection portfolio | | |
| tree protection devices | | |
| tree protection techniques | | |
| tree-sensitive design and construction measures | | |
| tree responses to development activities | | |
| Tree protection report | | |
| tree protection reports | | |
| collection of plans and documentation | | |
| preliminary arboricultural reports | | |
| specification of protection devices, techniques and systems | | |
| methods of documentation of tree management and monitoring guidelines | | |
| documentation of tree management and monitoring guidelines | | |
| draft arboricultural impact assessment report | | |
| final version of arboricultural impact assessment report | | |
| Performance evidence | | |
| The candidate must compile reports, plans and guidelines into an arboricultural impact assessment report and develop an evidentiary tree protection portfolio. | | |
| Has the candidate met the specific performance evidence requirements as per listed line items below? | Yes/No (Y/N) | Signed (Initialled) |
| Has the candidate compiled reports, plans and guidelines into an arboricultural impact assessment report? | | |

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| Has the candidate developed an evidentiary portfolio of tree protection devices, techniques, tree-sensitive design and construction measures and tree responses to development activities? | | |
| Has the candidate successfully demonstrated the Performance Evidence requirements of the unit of competency AHCARB504 Develop an arboricultural impact assessment report, and as per listed line items below? | Yes/No (Y/N) | Signed (Initialled) |
| identifying and researching relevant legislation and Australian Standards | | |
| determining specific requirements of statutory authorities in relation to trees on development site | | |
| determining local government planning laws, tree protection and preservation regulations | | |
| conducting a site assessment and identify conditions that impact tree protection program | | |
| identifying work health and safety hazards that impact safety of staff and public, assess level of risk and apply controls | | |
| identifying hazards, activities and circumstances that have potential to harm trees and assess the level of risk | | |
| locating and confirming trees plotted on survey plan | | |
| plotting trees not on plan onto survey plan | | |
| collecting available relevant plans and documentation | | |
| identifying and record tree genus and species by botanical and common name | | |
| recording tree dimensions, height, crown spread and diameter-at-breast-height (DBH) | | |
| determining age class and estimate life expectancy | | |
| determining tree health in relation to tree physiology and pathology | | |
| determining condition of tree structure in relation to tree anatomy | | |
| considering heritage and cultural issues | | |
| considering habitat, ecology and other matters relevant to the site | | |
| considering location relative to existing and past site structures | | |
| determining the retention value | | |
| compiling all tree assessment data required for report | | |
| recording all trees and groups of trees suitable for retention | | |
| determining indicative tree protection zone for each tree | | |
| plotting tree identifiers and indicative tree protection zone on survey plan | | |
| documenting preliminary arboricultural report | | |

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| interpreting existing plans, working drawings, terms and symbols | | |
| interpreting development and design language | | |
| considering how development can result in mechanical and chemical damage and determine appropriate controls | | |
| determining impact of proposed development on trees | | |
| providing preliminary feedback to client on potential areas of improvement | | |
| assessing development requirements for site access and logistics | | |
| considering indicative tree protection zone | | |
| determining extent of encroachment into indicative tree protection zone | | |
| determining whether works will impact on structural root zone | | |
| determining extent and area of structural root zone | | |
| determining actual tree protection zone for trees to be retained | | |
| defining and recording the actual tree protection zones | | |
| determining level of encroachment | | |
| assessing for a major encroachment: location and distribution of roots; potential loss of root mass; species tolerance to root loss; and age, health, size, lean and stability of tree | | |
| considering impact of major encroachment on health, physiology and structural integrity of tree | | |
| assessing soil characteristics and volume and presence of existing or past structures and design factors | | |
| considering how site and design factors minimise impact of proposed encroachment on tree | | |
| demonstrating that the tree would remain viable | | |
| determining additional remedial measures required | | |
| developing an evidentiary portfolio of tree protection devices, techniques, tree-sensitive design and construction measures and tree responses to development activities | | |
| specifying protection devices, techniques and systems to minimise impact of development | | |
| determining installation and construction methods for tree protection and produce working drawings for on-site personnel for implementation | | |
| providing advice on tree removal and tree pruning program to client | | |
| preparing draft arboricultural impact assessment report | | |
| developing tree protection plan and tree protection plan (drawing) | | |
| preparing and documenting tree management and monitoring guidelines with alternative strategies for possible problems | | |

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| <p>consolidating relevant reports, plans and guidelines into final version of arboricultural impact assessment report in digital and print format and presenting to client</p> | | |
| <p>Assessment conditions</p> | | |
| <p>It is an industry requirement for competency that assessment includes a minimum of two (2) complete report packages each containing the following:</p> <ul style="list-style-type: none"> • preliminary tree assessment report • arboricultural impact assessment reports • tree protection plans • tree protection plan (drawings) <p>for two (2) different sites with at least three (3) trees in each site. Each site must contain a major encroachment.</p> <p>An evidentiary tree protection portfolio of twenty (20) tree protection devices, techniques, tree-sensitive design and construction measures must contain:</p> <ul style="list-style-type: none"> • an image, • an evaluation of the effectiveness of the portfolio item. <p>The evidentiary tree protection portfolio must also include twenty (20) tree responses to development activities that must contain:</p> <ul style="list-style-type: none"> • an image, • an evaluation of the tree response. | | |
| <p>Have the assessments incorporated the assessment conditions and met the industry requirements for competency in this unit as per listed line items below?</p> | <p>Yes/No (Y/N)</p> | <p>Signed (Initialled)</p> |
| <p>a minimum of two (2) complete report packages each containing the following:</p> <ul style="list-style-type: none"> • preliminary tree assessment report • arboricultural impact assessment report • tree protection plans • tree protection plan (drawings) | | |
| <p>assessments of two (2) different sites with at least three (3) trees in each site and with each site containing a major encroachment</p> | | |
| <p>an evidentiary tree protection portfolio of twenty (20) tree protection devices, techniques, tree-sensitive design and construction measures containing:</p> <ul style="list-style-type: none"> • an image, • an evaluation of the effectiveness of the portfolio item. | | |
| <p>an evidentiary tree protection portfolio also including twenty (20) tree responses to development activities containing:</p> <ul style="list-style-type: none"> • an image, • an evaluation of the tree response. | | |

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| 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. | | Yes/No (Y/N) | Signed (Initialled) |
| Has assessment been conducted only by persons who have: | | | |
| <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 | Full Signature |
| | | | |
| Competency Determination | | | |
| This section determines the skills and knowledge required to plan for and monitor the protection of trees at sites where there may be threats to the trees. | | | Competent /Not yet competent |
| The candidate is competent in developing an arboricultural impact assessment report. | | | |
| Competency Assessment Completion | | | |
| Assessor name | Date | Full Signature | |
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