



Australian Government

Assessment Requirements for AHCARB305 Dismantle trees

Release: 2

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Modification History

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 2.0.
Release 1	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 1.0.

Performance Evidence

The candidate must be observed removing a tree in a confined space using directional felling and removing a tree in a confined space using a dismantling process. The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence for and demonstrate:

- determining location of above-and-below-ground services
- undertaking a site-specific risk assessment by identifying work health and safety hazards and assessing risk
- inspecting trees to determine appropriate removal methods
- confirming appropriateness of selected risk controls
- determining access to site and gaining approval by owner or site management
- confirming site preparations, including notification of local residents and authorities where necessary
- recording and implementing work health, safety, site, environmental and traffic control measures
- determining drop zone and communicate to all personnel
- protecting, relocating and securing assets, property and vegetation related to work zone activities from potential damage during tree removal
- selecting, preparing, checking and using tools, equipment and machinery
- selecting and using personal protective equipment
- selecting and using safety equipment
- calculating mass of tree section
- confirming mass of tree section does not exceed the safe working limit of equipment
- dismantling branches and trunk sections using the 'cut and drop' method, and
- cutting and lowering sections by ropes and other lowering devices

- using dismantling techniques to ensure branches and trunk sections fall or are lowered safely into determined drop zone, with no damage to property and equipment or injury to personnel
- using directional felling techniques to ensure trunk of dismantled tree falls safely into determined drop zone with no damage to property and equipment or injury to personnel
- using and controlling friction devices where required
- using and controlling elevated work platforms as required
- reducing dismantled tree section to manoeuvrable lengths without injury to operator
- removing plant material and debris from site
- cleaning and checking tools, equipment and machinery, replacing if faulty or worn, and storing
- recording completion of tree removal and reporting to owner or site manager
- use of advanced rigging techniques
- calculating tree dimensions, mass of tree section and balance of load
- erecting signage, barriers, warning devices and traffic management equipment
- coordinating and sequencing work team activities
- use of industry standard terminology to describe arboriculture and work environment.

Knowledge Evidence

The candidate must demonstrate knowledge of:

- site and tree hazards that might be encountered
- selection of low risk tree removal methods
- advanced climbing techniques and rope handling
- selecting and tying, dressing, setting and finishing arborist knots
- operation of lowering devices where required
- types of lowering devices that might be required, including friction devices, and methods for using them
- how to estimate density of tree sections
- the impact of force, breaking strength, safety factors and cycles to failure
- how to identify and evaluate structural defects in trees
- how to determine the density of tree sections
- safe working limits on all relevant rigging and lowering equipment
- methods of estimating mass and balance of load
- first aid and rescue personnel, equipment and procedures applicable to tree work
- methods of minimising environmental impact
- legislation and local regulations governing tree removal.

Assessment Conditions

Assessment must be demonstrated consistently over time in a suitable range of contexts and have a productivity-based outcome. No single assessment event or report is sufficient to achieve competency in this unit.

Assessment may be conducted in a simulated or real work environment, however determination of competency requires the application of work practices under work conditions.

The mandatory equipment and materials used to gather evidence for assessment include:

- equipment:
 - rigging equipment
 - single rope technique (SRT) climbing kit
 - static and dynamic rope kit
 - harness
 - lowering and friction devices
 - gaffs/spurs
 - high decibel whistle
 - personal protective equipment (PPE)
 - first aid and emergency kit
 - rescue kit
 - traffic management kit
 - signage – work zone
 - trees
- materials:
 - dismantling operations form
 - chainsaw operations form
 - pruning operations form
 - knot identification form
 - hazard identification and risk control form
 - equipment and PPE check form
 - emergency preparation form
 - rescue form - aerial
 - work communications form
 - work site operations form
 - work records form

Assessors must satisfy current standards for RTOs in the assessment of arboriculture units of competency.

Assessment must be conducted only by persons who have:

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

Links

Companion Volume implementation guides are found in VETNet -

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