



Australian Government

AHCARB207 Perform ground based rigging

Release: 1

AHCARB207 Perform ground based rigging

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to perform ground based rigging. This unit does not cover crane operations.

The unit applies to ground based workers who undertake defined activities with specialised tools and methods, work in structured and changing contexts, apply knowledge and skills to demonstrate autonomy and limited judgement, and provide solutions to a limited range of predictable problems. Work is implemented with low risk work procedures and to comply with Safe Work Method Statement documentation.

Licensing, legislative, regulatory, or certification requirements apply to this unit in some states and territories at the time of publication, and may differ according to jurisdiction. Specific determination should be sought through the relevant State or Territory. Works involving this unit of competency may be subject to local tree protection and preservation laws, and the relevant content of applicable Australian Standards.

Pre-requisite Unit

AHCARB311 Tie, dress, set and finish arborist knots

Unit Sector

Arboriculture (ARB)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Assist in preparation of work site	1.1 Determine location of worksite and correct tree from scope of works 1.2 Identify site hazards, assess risks and report to supervisor 1.3 Confirm work zone with work crew and monitor site

Element	Performance criteria
	1.4 Confirm first aid and emergency personnel, equipment and procedures 1.5 Record and implement work health, safety, site, environmental and traffic control measures
2. Prepare for rigging	2.1 Assist with tree examination by observation of defects 2.2 Discuss rigging method with work crew 2.3 Confirm rigging method supports identified risk controls 2.4 Select appropriate rigging equipment 2.5 Examine, assemble, install rigging equipment and check for defects 2.6 Select and use appropriate personal protective equipment
3. Perform rigging operations	3.1 Communicate with work team during operations using voice, hand and whistle signals 3.2 Tie, dress, set and finish arborist knots as required for rigging task 3.3 Monitor rigging system, work team movements and environmental conditions 3.4 Maintain effective communications specific to the rigging task 3.5 Control load and raise, balance, lower or redirect as communicated 3.6 Adjust rigging as required for mass or dimensions of load 3.7 Disconnect load from rigging system 3.8 Check rigging equipment components 3.9 Return appropriate components to aerial work team member
4. Complete rigging operations	4.1 Remove load from drop zone 4.2 Confirm completed rigging operation 4.3 Clean and check tools, equipment and machinery, and store 4.4 Report and tag faulty or worn tools and equipment 4.5 Clean and store personal protective equipment

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCARB207A Perform ground based rigging.

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for AHCARB207 Perform ground based rigging

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Performance Evidence

The candidate must be observed using ground based rigging to raise, lower, control and redirect a load during tree pruning and tree removal. 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 worksite
- determining correct tree from scope of works
- identifying site hazards, assess risks and report to supervisor
- confirming work zone with work crew and monitoring site
- confirming first aid and emergency personnel, equipment and procedures
- recording and implementing work health, safety, site, environmental and traffic control measures
- assisting with tree examination by observation of defects
- discussing rigging method with work crew
- confirming rigging method supports identified risk controls
- selecting appropriate rigging equipment
- examining, assembling, installing and checking rigging equipment for defects
- selecting and using appropriate personal protective equipment
- communicating with work team during operations using voice, hand and whistle signals
- tying, dressing, setting and finishing arborist knots as required for rigging task
- monitoring rigging system, work team movements and environmental conditions
- maintaining effective communications specific to the rigging task
- controlling load and raising, balancing, lowering or redirecting as communicated
- adjusting rigging as required for mass or dimensions of load
- disconnecting load from rigging system
- checking rigging equipment components
- returning appropriate components to aerial work team member
- removing load from drop zone
- confirming completed rigging operation

- cleaning and checking tools, equipment and machinery, and storing
- reporting and tagging faulty or worn tools and equipment
- cleaning and storing personal protective equipment
- use of industry-standard terminology to describe rigging processes and equipment
- applying work health and safety requirements in the context of own work.

Knowledge Evidence

The candidate must demonstrate knowledge of:

- work zone
- first aid, emergency personnel, equipment and procedures
- work health, safety, site, environmental and traffic control measures
- tree examination
- observation of tree defects
- rigging equipment
- rigging methods
- rigging system
- examination of rigging equipment for defects
- examination of rigging equipment
- assembling rigging equipment
- installing rigging equipment
- checking rigging equipment
- personal protective equipment
- voice, hand and whistle signals
- communications specific to the rigging task
- environmental conditions
- tying, dressing, setting and finishing arborist knots
- controlled loads
- load raising
- lowering loads
- redirecting loads
- balancing load on centre of gravity
- rigging adjustments
- mass of load
- dimensions of load
- rigging equipment components
- rigging operation
- tagging faulty or worn tools and equipment.

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
 - static and dynamic rope kit
 - harness
 - lowering and friction devices
 - high decibel whistle
 - personal protective equipment (PPE)
 - first aid and emergency kit
 - rescue kit
 - traffic management kit
 - signage – work zone
 - trees
- materials:
 - rigging operations form - ground based
 - hazard identification and risk control form
 - equipment and PPE check form
 - emergency preparation form
 - site assessment form
 - tree recognition form
 - work communications form
 - work site operations 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

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