

Prerequisite competency completion		
Has the candidate successfully completed the prerequisite unit requirements of AHCARB310 Perform aerial rigging?	Yes/No (Y/N)	Signed (Initialled)
AHCARB311 Tie, dress, set and finish arborist knots, and		
AHCARB207 Perform ground based rigging,		
and both		
AHCARB312 Use standard climbing techniques to access trees		
AHCARB307 Use advanced climbing techniques		
or		
TLILIC2005A Licence to operate a boom-type elevating work platform (boom length 11 metres or more)		
Required forms completion		
Has the candidate successfully completed the required forms?	Yes/No (Y/N)	Signed (Initialled)
AHCARB306 Aerial rescue form		
AHCARB311 Knots identification form		
AQF 3C Risk assessment form		
AQF 3D Anatomy-physiology-disease form		
AQF 3E Tools and equipment form		
AQF 3F Work operations form		
<p>Note: Hazard identification and risk control, Emergency preparation and Site assessment are incorporated in AQF 3C Risk assessment form. Tree anatomy and Tree physiology are incorporated in AQF 3D Anatomy-physiology-disease form. Equipment and PPE check form is incorporated in AQF 3E Tools and equipment form. Work communications, Work site operations and Work records are incorporated in AQF 3F Work operations form.</p>		
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)
rigging equipment		
single rope technique (SRT) climbing kit		
static and dynamic rope kit		
harness		
lowering and friction devices		
high decibel whistle		
personal protective equipment (PPE)		

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first aid and emergency kit		
rescue kit		
traffic management kit		
signage – work zone		
working with trees		
Knowledge Evidence		
Has the candidate successfully completed the Knowledge Evidence requirements?	Yes/No (Y/N)	Signed (Initialled)
Tree removal		
low risk tree removal methods		
Limits of rigging systems		
safe working limits of rigging and lowering equipment		
‘cycles to failure’		
‘cycles to failure’ of load-bearing equipment		
breaking strength of load-bearing equipment		
load limits of rigging systems		
breaking strength of equipment		
impact of force under normal and failure conditions		
confirmation of safe working limit of equipment		
* It is an industry requirement that assessment includes the following items:		
bend radius		
resultant vectors		
Safety factor		
safety factor of equipment		
safety factor of load-bearing equipment		
safety factor application		
Rigging system design		
types of rigging equipment and devices		
purposes of rigging equipment and devices		
appropriate rigging equipment		
appropriate anchor and attachment points		
allowance for load and impact of force		
Rigging practices		
assembling rigging equipment		
installing rigging equipment		
rigging attachment		

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tension testing of loads		
identification of rigging problems		
unsafe rigging practices		
alternative rigging solutions		
* It is an industry requirement that assessment included the following item:		
role of mass damping		
Rigging environment		
estimation of distances and dimensions of tree parts		
estimation of distances and dimensions of equipment		
estimation of distances and dimensions of working space		
how variations in weather affect rigging:		
– impact of wind speed and direction on rigging methods		
Controlling loads		
mass and dimensions of tree parts:		
– dimensions of tree parts		
– calculating mass of tree section		
centre of gravity		
calculations of load and balance		
calculating balance of load		
estimation of centre of gravity for load balancing		
methods of controlling loads:		
– lowering loads		
– redirecting loads		
– tip lowering loads		
– butt lowering loads		
– horizontal lowering loads		
– lifting loads		
Lowering operations		
'cut and drop' method		
tree parts falling into drop zone		
tree parts lowered safely into drop zone		
lowering sections by ropes		
lowering sections by lowering devices:		
– lowering and friction device operation		
– controlling lowering and friction devices		
load frequency		
load size		

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Completion of rigging operations		
proper completion of rigging operations		
retrieval of rigging system components		
Performance evidence		
Has the candidate successfully demonstrated the Performance Evidence requirements - demonstrating rigging techniques for lowering, controlling and redirecting loads during tree pruning and tree removal , in accordance with the unit of competency AHCARB310 Perform aerial rigging, and as per listed line items below?	Yes/No (Y/N)	Signed (Initialled)
confirming location of worksite and location of correct tree as identified in scope of works		
ensuring scope of works is within capacity and limits of team and equipment		
obtaining required site permits and licences		
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 and identifying structural defects in relation to taxonomic tree species, tree anatomy, and tree physiology		
considering impact of wind speed and direction on rigging methods		
considering 'cycles to failure' of load-bearing equipment		
selecting, preparing, and carrying out pre-operational and safety checks, on tools, equipment and machinery		
selecting and using personal protective equipment		
discussing and confirming work-zones locations and areas with work team		
recording and implementing work health, safety, site, environmental and traffic control measures		
communicating with work team during operations using voice, hand and whistle signals		
determining load limit of rigging system		
selecting appropriate anchor and attachment points		
considering mass and dimensions of tree part, centre of gravity, dimensions in relation to working space		
calculating load and balance		
consider breaking strength and safety factor of equipment in use		
determining impact of force under normal and failure conditions and apply safety factor		
designing rigging system to allow for load and impact of force		

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discussing rigging system with work team		
selecting appropriate rigging equipment and inspecting for defects		
assembling and installing rigging equipment		
identifying problems, unsafe rigging practices and provide alternative rigging solutions		
maintaining effective communication with work team during rigging process		
attaching rigging and using appropriate knots as required		
monitoring and adjusting rigging system, taking into account environmental conditions		
testing tensioned load		
controlling load and raise, lowering or redirecting as required and in a manner appropriate to worksite		
operating lowering and friction devices		
performing tip lowering, butt lowering, horizontal lowering and lifting as required		
matching load frequency and size to processing capacity of ground crew		
retrieving appropriate components of rigging system		
checking proper completion of rigging operations		
cleaning and checking tools, equipment and machinery, replacing if faulty or worn, and storing		
use of industry standard terminology to describe arboriculture, equipment and work environment		
The candidate uses low risk work procedures.		
The candidate complies with Safe Work Method Statement documentation.		
Assessment conditions		
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)
Has assessment been demonstrated consistently over time?		
Has assessment been demonstrated in a suitable range of contexts?		
Has assessment been demonstrated with a productivity-based outcome?		
Has assessment been demonstrated with multiple assessment events and reports?		

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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 perform aerial rigging by selecting and using appropriate equipment and methods. This work requires application of extensive arboricultural skills and knowledge, including various rigging techniques for lowering, controlling and redirecting loads during tree pruning and tree removal.			Competent /Not yet competent
The candidate is competent in rigging operations including various rigging techniques for lowering, controlling and redirecting loads during tree pruning and tree removal.			
Competency Assessment Completion			
Assessor name	Date	Full Signature	

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