

Prerequisite competency completion		
Has the candidate successfully completed the <b>prerequisite unit</b> requirements of AHCARB307 Use advanced climbing techniques?	Yes/No (Y/N)	Signed (Initialled)
AHCARB312 Use standard climbing techniques to access trees		
AHCARB311 Tie, dress, set and finish arborist knots		
Description of the second states		
Has the candidate successfully completed the required forms?	Yes/No (Y/N)	Signed (Initialled)
·	_	_
Has the candidate successfully completed the <b>required forms?</b>	_	_
Has the candidate successfully completed the <b>required forms?</b> AHCARB302 Tree inspection form	_	_
Has the candidate successfully completed the <b>required forms?</b> AHCARB302 Tree inspection form  AHCARB307B Advanced climbing log record	_	_
Has the candidate successfully completed the <b>required forms?</b> AHCARB302 Tree inspection form  AHCARB307B Advanced climbing log record  AHCARB311 Knots identification form	_	_

Note: Hazard identification and risk control, Emergency preparation and Site assessment are incorporated in AQF 3C Risk assessment 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. AHCARB306 Aerial rescue form is not required for completion of this unit.

#### 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)
single rope technique (SRT) climbing kit		
standard climbing kit (double line)		
harness		
chaps – required where appropriate for task		
climbing friction hitches		
high decibel whistle		
personal protective equipment (PPE)		
first aid and emergency kit		
rescue kit		
traffic management kit		
trees		





















Knowledge Evidence		
Has the candidate successfully completed the <b>Knowledge Evidence</b> requirements by demonstrating knowledge of each of the line items below?	Yes/No (Y/N)	Signed (Initialled)
climbing equipment/tree access equipment		
harness selection		
selection of climbing equipment		
selecting of triple locking carabiners		
use of triple locking carabiners		
use of harness and lanyard		
ropes		
types of climbing ropes:		
– dynamic and static ropes		
uses of climbing ropes:		
– rope characteristics		
hold, release and grip attributes of rope		
climbing/access/ascension techniques		
tree access techniques:		
– single rope techniques		
– double rope techniques		
controlled descent operations		
controlled removal of access equipment		
advanced climbing techniques:		
– change-overs		
– redirects using slings and anchors		
– belays using slings and anchors		
– multiple line selection to access trees and tree parts		
– multiple line selection to perform tree operations		
– uni-ascenders (or other mechanical rope-grab)		
– foot and hand ascenders		
– other ascension devices as required		
– use of micrograbs (or other belay devices)		
– use of grigris (or other belay devices)		
– use of micro-pulleys		
climbing risk assessment		
strength requirements		























suitability requirements		
branch weight		
appropriate method of tree access		
selection of climbing or EWP access		
team discussion on tree access method		
team feedback on tree access method		
estimation of tree height		
low risk access routes		
safe working limits		
estimation of load		
safe working limits of ropes		
safe working limits of equipment		
low risk anchor points		
* It is an industry requirement that assessment included the following	item:	
– rope angles and radii *		
friction hitches		
determine limits of friction hitches		
determine relative advantages of friction hitches		
determine disadvantages of friction hitches		
types of friction hitches:		
- Tautline		
– Blake's		
– Prussik		
– Klemheist		
- Valdetain		
– French Prussik		
– specialised variations		
spurs & gaffs		
preparation of climbing spurs		
preparation of gaffs		
defects of climbing spur components		
wear of climbing spur components		
gaff tip profile dimensions		
use of gaff gauges		
gaff tip cutting edge sharpening procedure	T	





















climbing spur adjustment method		
correct operator fit		
accessing tree using climbing spurs		
use of climbing spikes/spurs (with gaffs) of various lengths		
spur separation		
clearance distance between spurs and ropes		
Performance evidence		
The candidate must be observed ascending and descending trees using	ng advanced tr	ee climbing practices.
Has the candidate met the performance evidence requirement?	Yes/No (Y/N)	Signed (Initialled)
Has the candidate been observed ascending and descending trees using advanced tree climbing practices?		
Has the candidate successfully demonstrated the <b>Performance Evidence</b> requirements of the unit of competency AHCARB307 Use advanced climbing techniques, <b>and as per listed line items below?</b>	Yes/No (Y/N)	Signed (Initialled)
appropriate method for accessing tree – climbing or using an EWP – through discussion with work team		
determining location of above-and-below-ground services		
undertaking a site-specific risk assessment by identifying work health and safety hazards and assessing risk		
confirming first aid and rescue personnel, equipment and procedures		
ensuring work team member present, capable, willing and equipped to assist or perform aerial rescue operations		
preparing and carrying out pre-operational and safety checks, on ropes, harnesses, tools and equipment		
selecting and using personal protective equipment and safety equipment		
recording and implementing work health, safety, site, environmental and traffic control measures		
selecting harness and appropriate equipment for climbing		
inspecting tree to determine low risk access route through discussion with work team and seek feedback		
estimating tree height and load in relation to safe working limits of ropes and equipment		
determining the hold, release and grip attributes of rope		
selecting and using static and dynamic rope as required		
selecting and using triple locking carabiners		





















determine limits, relative advantages and disadvantages of friction hitches including: Tautline, Blake's, Prussik, Klemheist, Valdetain, French Prussik and specialised variations	
tying, dressing, setting and finishing climbing knots and hitches	
communicating with work team during operations using voice, hand and whistle signals	
maintaining awareness of power line safe approach distances and vegetation clearances	
selecting low risk anchor points in accordance with strength, suitability requirements and branch weight	
accessing and ascending tree using low risk access route with harness and lanyard	
ascending using single rope, double rope and selected friction hitch as required	
ascending using uni-ascenders (or other mechanical rope-grab) and foot ascenders as required	
using micrograbs, grigris (or other belay devices) and micro-pulleys as required for access and tree operations	
demonstrating ability to carry out change-overs	
setting up redirects and belays using slings and anchors	
selecting multiple lines to access trees and tree parts	
selecting multiple lines to perform tree operations	
descending tree in a controlled manner	
removing all access equipment in a controlled manner	
cleaning and storing climbing equipment	
cleaning and storing personal protective equipment	
use of industry standard-terminology to describe climbing and the work environment	





















#### **Assessment conditions**

It is an industry requirement that delivery of training and assessment in this unit provides for the explicit conditions of work team capability for aerial rescue operations.

It is an industry requirement for competency in this unit that assessment must include a log record of **two hundred (200)** hours of advanced climbing.

Yes/No (Y/N)	Signed (Initialled)
Yes/No (Y/N)	Signed (Initialled)
Yes/No (Y/N)	Signed (Initialled)
Year	Full Signature
	Yes/No (Y/N)  Yes/No (Y/N)





















Competency Determination				
This section determines the skills and knowledge required to climb trees with ropes, harnesses and specialist equipment using advanced techniques for the purpose of mobility around the required sections of trees for work positioning.			Competent /Not yet competent	
The candidate is competent in climb specialist equipment using advanced around the required sections of tree	d techniques for the purpo			
Competency Assessment Completion				
Assessor name	Date Fu		Full Signature	















