

Prerequisite competency completion		
Not applicable. There are no prerequisite requirements.		
Required forms completion		
Has the candidate successfully completed the required forms ?	Yes/No (Y/N)	Signed (Initialled)
AQF 3C Risk assessment form		
AQF 3E Tools and equipment form		
AQF 3F Work operations 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.		
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)
static and dynamic rope kit		
personal protective equipment (PPE)		
first aid and emergency kit		
traffic management kit	not required	
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)
Knots		
purpose of arborist knots		
knot applications		
determining work application for knot use: ground-based knots / aerial knots / rigging knots / climbing knots		
knot attributes		
evaluation of knot attributes:		
– locking and non-locking attributes		
– impact on rope strength		
– loosening		
– slippage		

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knot selection		
loss of rope strength using selected knot		
appropriateness of rope for knot application		
requirements for secondary knots and stopper knots		
intended knot		
tying knots		
methods of tying knots		
dressing knots		
alignment of knot parts		
knot adjustment		
appropriate proportions of knot		
setting knots		
knot tightening and loading		
finishing knots		
– selection of stopper knots		
– selection of tucked tail		
– tail length and diameter of rope		
selection of suitable tail length		
inspection of knots		
checking knots		
correctness of assembly		
correct work application		
installation of knots in work application		
use of knots in work application		
untying knots		
Performance evidence		
Has the candidate successfully demonstrated the Performance Evidence requirements of the unit of competency AHCARB311 Tie, dress, set and finish arborist knots, and as per listed line items below?	Yes/No (Y/N)	Signed (Initialled)
undertaking a site-specific risk assessment by identifying work health and safety hazards and assessing risk		
confirming first aid and emergency equipment and procedures applicable to tree work		
selecting and using appropriate personal protective equipment		
recording and implementing work health, safety, site, environmental and traffic control measures		

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communicating with work team during operations using voice, hand and whistle signals		
determining work application for knot use: ground-based knots / aerial knots / rigging knots / climbing knots		
determining appropriate knot for locking and non-locking attributes, strength, impact on rope strength, loosening and slippage		
determining loss of rope strength using selected knot		
determining appropriate rope for knot application		
determining requirements for secondary knots and stopper knots		
determining appropriate rope used for knot application		
tying knot to form intended knot		
leaving appropriate tail length approximately five times diameter of rope		
dressing knot to align all parts of knot		
setting knot to 'tighten and load' knot prior to use		
finishing knot with selected stopper knot as required		
inspecting completed knot		
checking knot for correctness of assembly		
confirming knot for correct work application		
maintaining effective communication with work team		
installing and using knot in work application		
untying knot at completion of work task		
clean and check ropes		
reporting and tagging faulty or worn ropes		
cleaning and storing personal protective equipment.		
Range of conditions		
It is an industry requirement for the assessment of the knots appropriate to the work application as listed in the Range of Conditions section of this unit of competency.		
Has the candidate successfully completed the Range of Conditions requirements by demonstrating knowledge of each of the line items below? Ground-based Rigging applications must include knowledge of:	Yes/No (Y/N)	Signed (Initialed)
Alpine butterfly knot		
Bowline on the bight		
Cows hitch with better half		
Clove hitch + two half hitches		
Half hitch pre knot		
Klemheist friction knot		

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Marline pre knot		
Marline spike hitch		
Riggers knot + two half hitches		
Running bowline		
Sheet bend		
Slippery sheet bend		
Timber hitch		
Zeppelin bend		
Has the candidate successfully completed the Range of Conditions requirements by demonstrating knowledge of each of the line items below? Above-ground applications must include knowledge of:	Yes/No (Y/N)	Signed (Initialled)
Scaffold knot		
Double Fishermans Knot/Prusik loop		
Girth Hitch		
English Prusik Knot		
Marlin Spike		
Clove Hitch		
Double Overhand Stopper Knot		
Sheet bend		
Slippery Sheet Bend		
Bowline Knot		
Running Bowline Knot		
Has the candidate successfully completed the Range of Conditions requirements by demonstrating knowledge of each of the line items below? Aerial Rigging applications must include knowledge of:	Yes/No (Y/N)	Signed (Initialled)
Cows hitch		
Riggers knot + two half hitches		
Clove hitch + two half hitches		
Alpine butterfly knot		
Half hitch pre knot		
Marline pre knot		
Marline spike hitch		
Zeppelin bend		
Running bowline		
Bowline on the bight		
Rolling hitch		

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Timber hitch			
Sheet bend			
Slippery sheet bend			
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)
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 perform tying, dressing, setting and finishing of arborist knots.			Competent /Not yet competent
The candidate is competent in tying, dressing, setting and finishing arborist knots.			
Competency Assessment Completion			
Assessor name	Date	Full Signature	

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