

(was AHC21020)

Following strategic revisions of the AHC Training Package by unit sector, several qualifications and skill sets require updating to include the improved units.

Broad consultation phase has resulted in the additional changes to the qualification:

- AHCNRM301 Establish an Australian native stingless bee colony to be included as a Group B elective unit
- TLIC0023 Operate four wheel drive vehicle to be included as group B elective

The qualification equivalency status has now been added. Due to the changes in the core of this qualification, the status has been deemed not equivalent.

We are now seeking final validation of this qualification. To validate, please use the survey link on the project webpage.

The units of competency updated in this qualification are highlighted, please see notes on changes between the current and updated units at the end of this document for more information.

#### **Modification History**

Release	Comments	
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 10.0.	

AHC21024 Certificate II in Conservation and Ecosystem Managemen	t
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#### **Qualification Description**

This qualification provides the skills and knowledge required for work in a defined context and/or for further study in conservation and ecosystem management. Work would be carried out under general guidance and supervision.

The qualification enables individuals to select and develop basic factual, technical and procedural knowledge in conservation and ecosystem management for Indigenous land management, lands, parks and wildlife services and the restoration and rehabilitation of ecosystems.

No licensing, legislative or certification requirements apply to this qualification at the time of publication. Users are advised that individual elective units selected may have licensing, legislative or certification requirements and are advised to check the units individually for these requirements.

#### **Entry Requirements**

There are no entry requirements for this qualification.

#### Key:

Superseded units / recommended replacements

New unit

#### Additional change

Proposed deletion - deleted units/units proposed for deletion

#### **Packaging Rules**

To achieve this qualification, competency must be demonstrated in:

- 15 units of competency:
  - 2 core units plus
  - 13 elective units.

Elective units must ensure the integrity of the qualification's Australian Qualification Framework (AQF) alignment and contribute to a valid, industry-supported vocational outcome.

The electives are to be chosen as follows:

- at least 4 units must be selected from Group A
- remaining units can be selected from Group A or Group B and up to 3 units from any Training Package or accredited course.

#### **Core Units**

AHCWHS202	Participate in workplace health and safety processes
AHCWRK211	Participate in environmentally sustainable work practices

#### **Elective Units**

An asterisk (\*) next to the unit code indicates that there are prerequisite requirements which must be met when packaging the qualification. Please refer to the Prerequisite requirements table for details.

#### Group A

AHCBIO203	Inspect and clean machinery, tools and equipment to preserve biosecurity			
AHCECR202	Maintain wildlife habitat refuges			
AHCECR203	Perform basic ecological restoration works			
AHCECR201	Capture digital media for fieldwork			
AHCECR305	Collect native seed			
AHCFAU202	Recognise fauna			
AHCFIR202	Assist with planned burning			
AHCOCM201	Maintain cultural sites			
AHCOCM202	Observe and report plants or animals			
AHCOCM203	Record information about Country			
AHCLPW201	Operate a handheld GPS device			
AHCLPW311	Construct access tracks			
AHCPCM202	Collect, prepare and preserve plant specimens			
AHCPCM204	Recognise plants			
AHCPGD212	Conduct visual inspection of park facilities			
AHCPMG201	Treat weeds			
AHCPMG202	Treat plant pests, diseases and disorders			
AHCPMG304	Use firearms to humanely destroy animals			
AHCPMG307	Apply animal trapping techniques			

AHCPMG312	Apply poison baits for vertebrate pest control in rural and environmental landscapes			
AHCSAW203	Conduct erosion and sediment control activities			
AHCSAW202	Recognise landforms and soil types			
AHCWRK212	Work effectively in industry			
AHCWRK213	Participate in workplace communications			
AHCWRK323	Operate in isolated and remote situations			
PUAFIR204 *	Respond to wildfire			
PUAFIR210	Prevent injury			
PUALAW001	Protect and preserve incident scene			
SITXCCS010	Provide visitor information			

# Group B

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AHCCHM201	Apply chemicals under supervision		
AHCINF205	Carry out basic electric fencing operations		
AHCINF206	Install, maintain and repair farm fencing		
AHCINF207	Maintain properties and structures		
AHCLSC206	Assist with landscape construction work		
AHCLSC208	Install aggregate paths		
AHCLSC210	Install tree protection devices		
AHCMOM201	Operate two wheel motorbikes		
AHCMOM202	Operate tractors		
AHCMOM203	Operate basic machinery and equipment		
AHCMOM204	Undertake operational maintenance of machinery		
AHCMOM205	Operate vehicles		
AHCMOM206	Conduct grader operations		
AHCMOM207	Conduct front-end loader operations		
AHCMOM208	Conduct excavator operations		
AHCMOM209	Conduct dozer operations		

AHCMOM210	Conduct scraper operations			
AHCMOM213	Operate and maintain chainsaws			
AHCMOM216	Operate side by side utility vehicles			
AHCMOM217	Operate quad bikes			
AHCNRM301	Establish an Australian native stingless bee colony			
AHCNSY206	Care for nursery plants			
AHCNSY207	Undertake propagation activities			
AHCPCM205 *	Fell small trees			
AHCPGD207	Plant trees and shrubs			
AHCSOL203	Assist with soil or growing media sampling and testing			
AHCWRK210	Observe and report on weather			
AHCWRK214	Observe workplace quality assurance procedures			
AHCWRK215	Collect and record production data			
AHCWRK216	Provide information on products and services			
BSBINS201	Process and maintain workplace information			
BSBTEC201	Use business software applications			
FWPCOT3325	Operate a four wheel drive on unsealed roads			
HLTAID009	Provide cardiopulmonary resuscitation			
HLTAID010	Provide basic emergency life support			
HLTAID011	Provide First Aid			
HLTAID013	Provide First Aid in remote or isolated site			
PUAFIR210	Prevent injury			
TLIC0023	Operate four wheel drive vehicle			
TLID0020	Shift materials safely using manual handling methods			
TLILIC0003	Licence to operate a forklift truck			

## **Prerequisite Units**

Unit of competency	Prerequisite requirement
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AHCPCM205 Fell small trees	AHCMOM213 Operate and maintain chainsaws
PUAFIR204 Respond to wildfire	PUAFIR210 Prevent injury

#### **Qualification Mapping Information**

Code and title current version	Code and title previous version	Comments	Equivalence status
AHC21024 Certificate II in Conservation and Ecosystem Management	AHC21020 Certificate II in Conservation and Ecosystem Management	Updated 2 Core units and 21 Elective units. Added 2 Elective units	Not equivalent

#### Links

Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72



# Qualification: AHC21024 Certificate II in Conservation and Ecosystem Management (was AHC21020) Acronyms:

E – Equivalent

NE - Not Equivalent

PC – Performance Criteria

PE – Performance Evidence

KE – Knowledge Evidence

AC – Assessment Conditions

AHC - Agriculture, Horticulture and Conservation and Land Management Training Package

Unit's location in impacted qualification	Current Unit	Replacement Unit	Equivalence	Notes on change
Core	AHCWHS201 Participate in work health and safety processes	AHCWHS202 Participate in workplace health and safety processes		Performance Criteria - consolidated in Elements 1 and 2 PC 1.5, 1.6, 1.7 removed. Risks to fellow workers and undertaking safety training now covered under follow workplace procedures and work instructions to control risks Noise hazards and manual handling risks now covered under workplace health and safety hazards and risks  Foundation Skills added (Reading and Oral Communication)  Performance Evidence Now emphasises safely completing a work task on "at least one occasion" instead of "performance demonstrated consistently over time and in a suitable range of contexts"

Unit's location in impacted qualification	Current Unit	Replacement Unit	Equivalence	Notes on change
				Performance Evidence relating to "identify tasks or information from labels, manuals or written instructions" removed to be covered under relevant to workplace procedures for identifying tasks
				Knowledge Evidence - consolidated
				Relevant machinery and equipment operator manuals now covered under workplace procedures
				Assessment Conditions - updated
Core	AHCWRK209 Observe environmental	AHCWRK211 Participate in environmentally	NE	Redesigned unit that includes content from AHCWRK202 Observe environmental work practices and AHCWRK209 Participate in environmentally sustainable work practice
	work practices	sustainable work practices		Elements – unchanged (compared with AHCWRK209)
				Performance Criteria – minor edits for clarity
				Foundation Skills added (Reading, Writing, Oral Communication and Numeracy)
				Performance Evidence
				Frequency added. Now states that the individual has "participated in environmentally sustainable work practices on at least one occasion and identified and reported potential breaches on at least two occasions".
				Knowledge Evidence - expanded to specify lists of:
				environmental and resource hazards and risks relevant to industry sector
				resources used in own industry sector
				environmental resources used in own industry sector
				Assessment Conditions - updated

Unit's location in impacted qualification	Current Unit	Replacement Unit	Equivalence	Notes on change
				*Note: AHCWRK202 Observe environmental work practices was in Elective Group A. To prevent duplication, the replacement unit AHCWRK211 Participate in environmentally sustainable work practices, which is in the Core of the qualification, has not been added to the Electives.
Elective	AHCWRK201 Observe and report on weather	AHCWRK210 Observe and report on weather	NE	Elements - unchanged  Performance Criteria - consolidated Removed: 3.2 Determine the preventative action required according to the known effects on livestock, crops and work tasks 3.3 Implement actions to minimise loss and damage 3.4 Adjust livestock, horticultural or crop management program or schedule of work tasks according to weather and climatic changes Replaced with 3.2 Undertake actions to minimise loss and damage 3.3 Adjust work tasks according to weather and climatic changes  Foundation Skills added (Reading, Writing and Oral Communication)  Performance Evidence Frequency added. Now states that the individual has "observed and reported on weather on at least two occasions"  Knowledge Evidence — minor edits for clarity  Assessment Conditions - updated
Elective	AHCWRK204	AHCWRK212	NE	Elements - consolidated
	Work effectively in the industry	Work effectively in industry		Elements 4,5,6, and 7 merged to 4 and 5:

Unit's location in impacted qualification	Current Unit	Replacement Unit	Equivalence	Notes on change
				4. Participate and contribute to a productive team environment
				5. Confirm and undertake workplace activities
				Performance Criteria
				Content of 5.3, 6.1, 6.4 and 6.5 updated and now covered under Element 4
				5.3 Resolve where possible, through personal communication or refer to a supervisor, manager or employer for resolution
				6.1 Fulfil commitments to undertake work or assist co-workers
				6.4 Recognise and seek contributions of individuals of different gender and social and cultural backgrounds
				6.5 Observe and implement the principles of equal employment opportunity
			`	Foundation Skills added (Reading and Oral Communication)
				Performance Evidence
				Now emphasises safely completing a work task on "at least one occasion" instead of "performance demonstrated consistently over time and in a suitable range of contexts"
				"Co-operated and communicated in a respectful manner" replaces:
				meet the industry standard for dress
				<ul> <li>communicate effectively with team members and supervisors</li> </ul>
				use industry terminology
				Knowledge Evidence - minor changes to update workplace terminology
				Assessment Conditions - updated

Unit's location in impacted qualification	Current Unit	Replacement Unit	Equivalence	Notes on change
Elective	AHCWRK205 Participate in workplace communications	AHCWRK213 Participate in workplace communications	NE	Elements - consolidated Elements 1 and 2 combined 1. Follow routine spoken messages and 2. Perform workplace duties following routine written notices combined to: 1. Follow routine workplace instructions  Performance Criteria - consolidated under new Element 1  Foundation Skills added (Writing, Oral Communication and Numeracy)  Performance Evidence Now emphasises the individual has participated in workplace communications "on at least one occasion" instead of "performance demonstrated consistently over time and in a suitable range of contexts"  Performance Evidence consolidated to emphasise communication activities relevant to the workplace and points below have been removed:  • estimating, calculating and recording routine workplace measures  • using basic mathematical processes of addition, subtraction, division, multiplication, percentages, decimal points and ratios  Knowledge Evidence - minor edits for clarity
				Assessment Conditions - updated
Elective	AHCWRK206 Observe enterprise quality assurance procedures	AHCWRK214 Observe workplace quality assurance procedures	NE	Minor changes to unit title and application  Elements – unchanged  Performance Criteria – minor changes for clarity

Unit's location in impacted qualification	Current Unit	Replacement Unit	Equivalence	Notes on change
				Foundation Skills added (Reading, Writing and Oral Communication)
				Performance Evidence Frequency added. Now states that the individual has "observed workplace quality assurance
				procedures for a product or service on at least one occasion"
				<ul> <li>Knowledge Evidence</li> <li>HACCP (Hazard Analysis Critical Control Point) approach to Quality Assurance</li> </ul>
				Replaced with:
				• basic understanding of the purpose, scope and requirements for the workplace QA system
				Assessment Conditions - updated
Elective	AHCWRK207 Collect and record production data	AHCWRK215 Collect and record production data	NE	Elements – unchanged
	production data	production data		Performance Criteria Removed references to whether notices relating to site quarantine are in effect and, where
				required, follow site quarantine procedures. Now covered under identifying and reporting of workplace health and hazards and risks.
				Foundation Skills added (Reading, Writing, Oral Communication and Numeracy)
				Performance Evidence
				Frequency added. Now states that the individual has "collected and recorded production data on at least one occasion".
				Added
				<ul> <li>calibrated tools and equipment</li> <li>identified workplace health and safety hazards and risks, and reported to supervisor</li> </ul>
				<ul> <li>downloaded and entered data on a computer.</li> </ul>

Unit's location in impacted qualification	Current Unit	Replacement Unit	Equivalence	Notes on change
				Knowledge Evidence – minor edits for clarity.  Added  tools and equipment calibration methods and purpose  Assessment Conditions - updated
Elective	AHCWRK208 Provide information on products and services	AHCWRK216 Provide information on products and services	NE	Elements – unchanged  Performance Criteria – minor edits and simplified for clarity  Foundation Skills added (Reading and Oral Communication)  Performance Evidence Frequency added. Now states that the individual has "provided information on products and services on at least two occasions"  Knowledge Evidence – minor edits for clarity  Assessment Conditions - updated
Elective	AHCWRK312 Operate in isolated and remote situations	AHCWRK323 Operate in isolated and remote situations	NE	Elements - unchanged  Performance Criteria Re-organised and emphasised that activities carried out in remote situations should be undertaken according to workplace procedures and in accordance with operating plans.  Foundation Skills Retained - Reading and Oral Communication. Removed - Learning, Navigate the world of work, Interact with others and Get the work done)

Unit's location in impacted qualification	Current Unit	Replacement Unit	Equivalence	Notes on change
				Performance Evidence Frequency added. Now states that the individual has "operated in an isolated and remote environment on at least one occasion" Added:  • calibrated tools and equipment • identified workplace health and safety hazards and risks, and reported to supervisor • downloaded and entered data on a computer.  Knowledge Evidence Operation of UHF radio included  Assessment Conditions - updated
Elective	AHCINF201 Carry out basic electric fencing operations	AHCINF205 Carry out basic electric fencing operations	NE	Elements - unchanged  Performance Criteria - minor changes for clarity  Foundation Skills Retained - Reading, Oral Communication. Removed - Numeracy, Navigate the world of work, Get the work done  Performance Evidence - minor edits for clarity  Knowledge Evidence - consolidated Environmental considerations when disposing of waste materials now covered in Performance Criteria  Assessment Conditions - updated

Unit's location in impacted qualification	Current Unit	Replacement Unit	Equivalence	Notes on change
Elective	AHCINF202 Install, maintain and repair farm fencing	AHCINF206 Install, maintain and repair farm fencing	NE	Elements - unchanged  Performance Criteria — minor changes for clarity  Foundation Skills  Retained - Reading, Oral Communication and Numeracy.  Removed - Writing, Navigate the world of work, Get the work done  Performance Evidence — Minor edits for clarity  Knowledge Evidence - consolidated  Environmental considerations when disposing of waste materials now covered in Performance Criteria  Assessment Conditions — minor changes for clarity

Unit's location in impacted qualification	Current Unit	Replacement Unit	Equivalence	Notes on change
Elective	AHCINF203 Maintain properties and structures	AHCINF207 Maintain properties and structures	NE	Elements - unchanged  Performance Criteria – minor changes for clarity  Foundation Skills added (Reading and Oral Communication)  Performance Evidence Frequency added. Now states that there must be evidence that the individual has "repaired properties and structures, where the services of a tradesperson is not necessary, on at least two occasions"  Added  cleaned and tidied up work area and disposed of or recycled waste  reported property and structure maintenance activities and unserviceable tools and equipment  Knowledge Evidence – minor edits for clarity  Assessment Conditions - updated
Elective	AHCPGD201 Plant trees and shrubs	AHCPGD207 Plant trees and shrubs	NE	Elements - unchanged  Performance Criteria – minor changes for clarity  Foundation skills added (Oral communication)  Performance Evidence Frequency added. Now states now that there must be evidence that evidence that the individual has "planted trees and shrubs on at least three occasions"  Added:  applied soil treatments and amendments

Unit's location in impacted qualification	Current Unit	Replacement Unit	Equivalence	Notes on change
				installed plant protection, stakes and ties
				applied mulch
				Knowledge Evidence – minor changes for clarity Added:
				<ul> <li>methods of disposing of waste to minimise damage to the environment</li> </ul>
				Assessment Conditions - updated
Elective	AHCILM201 Maintain cultural	AHCOCM201 Maintain cultural	NE	Elements and Performance Criteria - revised for clarity and updated terminology
	places	sites		Foundation Skills added (Reading, Oral Communication, Numeracy)
				Performance Evidence
				Frequency added. States that the individual has "maintained a cultural site on at least one occasion"
				Added:
				erected signage and/or barriers to protect cultural site
				<ul> <li>recognised and reported potential threats to cultural site</li> </ul>
				Knowledge Evidence - revised for clarity and updated terminology
				<u>Assessment Conditions</u> – Information about expertise of the workplace assessor has been updated
Elective	AHCILM202	AHCOCM202 t Observe and report plants or animals	NE	Elements and Performance Criteria - revised for clarity and updated terminology
	Observe and report plants or animals			Foundation Skills added (Reading, Oral Communication, Numeracy)
				Performance Evidence

Unit's location in impacted qualification	Current Unit	Replacement Unit	Equivalence	Notes on change
				Frequency added. States that the individual "observed and reported plants or animals in a natural area at least once"
				Knowledge Evidence - revised for clarity and updated terminology
				<u>Assessment Conditions</u> – Information about expertise of the workplace assessor has been updated
Elective	AHCILM203 Record	AHCOCM203 Record	NE	Elements and Performance Criteria - revised for clarity and updated terminology
	information about Country	information about Country		Foundation Skills added (Reading and Oral communication)
				Performance Evidence
				Frequency added. Now states that the individual has "recorded information about Country at least once"
				Also added to PE:
				<ul> <li>confirmed permissions have been granted by local Communities from supervisor</li> </ul>
				<ul> <li>followed protocols for consultation, research and recording information about local Aboriginal and/or Torres Strait Islander Communities</li> </ul>
				<ul> <li>collected and used information according to local Aboriginal and/or Torres Strait Islander Community guidelines and protocols</li> </ul>
				Knowledge Evidence - revised for clarity and updated terminology
				<u>Assessment Conditions</u> – Information about expertise of the workplace assessor has been updated
Elective	FWPCOT3259 Operate a four	FWPCOT3325 Operate four	NE	Updated unit title
	wheel drive on unsealed roads	wheel drive		Elements - consolidated

Unit's location in impacted qualification	Current Unit	Replacement Unit	Equivalence	Notes on change
		vehicle on		Elements 1 Identify four-wheel drive specific terms and terminology, and
		unsealed roads		Elements 2 Conduct checks of 4x4 vehicle and equipment
				Now covered under Element 1 Prepare for operations
				Element 5 Operate 4x4 vehicle on steep slope, changed to:
				Ascend and descend slopes less than 15 degrees
				Element 6 Perform maintenance and minor repairs on 4x4 vehicles, changed to:
				Complete operation, which covers post-trip inspection of vehicle and post-trip documentation
				Foundation Skills added (Reading, Writing, Oral Communication and Numeracy)
				Performance Evidence
				Now includes "driven vehicle under three conditions" with a specified from a list of 11 different conditions to select from
				Knowledge Evidence
				List covering types of environmental hazards and risks has been simplified, and
				List of 4x4 driving techniques in different terrains now covered under common unsealed road surface hazards
				Assessment Conditions - updated
Elective	AHCLSC201 Assist with	AHCLSC206 Assist with	NE	Minor changes to Application
	landscape construction work	landscape construction work		Elements - unchanged
				Performance Criteria - revised and updated for clarity and correct sequencing
				Foundation Skills added (Oral Communication)
				Performance Evidence

Unit's location in impacted qualification	Current Unit	Replacement Unit	Equivalence	Notes on change
				Frequency added Now states that the individual "assisted with landscape construction work on at least two occasions"
				Knowledge Evidence - updated and revised for clarity
				Assessment Conditions
				Expanded to include physical conditions, resources, equipment, materials, relationships, and timeframes
Elective	AHCLSC203	AHCLSC208	Е	Minor changes to application
	Install aggregate	Install aggregate		Minor changes to performance criteria
	paths	paths		Foundation skills added
				Assessment requirements updated
TI .:	A LICE CO207	A HCL CC210	F	
Elective	AHCLSC205 Install tree	AHCLSC210 Install tree	Е	Minor changes to application  Minor changes to performance criteria
	protection devices	protection devices		Foundation skills added
				Assessment requirements updated
				rissessment requirements apaated
Elective	AHCPGD206	AHCPGD212	Е	Minor changes to application
	Conduct visual	Conduct visual		Minor changes to performance criteria
	inspection of park facilities	inspection of park facilities		Foundation skills added
	racinties	Tacinities		Assessment requirements updated
Elective	SITXCCS002	SITXCCS010	E	Minor changes
	Provide visitor information	Provide visitor information		
Elective	TLID1001 Shift materials safely using manual handling methods	TLID0020 Shift materials safely using manual handling methods	É	Minor changes