

## AHC21124 Certificate II in Irrigation

(was AHC21119)

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

Feedback from the recent broad consultation phase has not resulted in any further changes to this qualification.

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.

AHC21124	Certificate II in Irrigation
<p><b>Qualification Description</b></p> <p>This qualification describes the skills and knowledge for entry-level workers in the irrigation industry. Individuals with this qualification work under routine supervision where the work is predictable and structured with limited judgement requirements.</p> <p>Work must comply with work health and safety and environmental regulations and legislation that apply to the workplace.</p> <p>No legislative or certification requirements apply to this qualification at the time of publication.</p>	
<p><b>Entry Requirements</b></p> <p>There are no entry requirements for this qualification.</p>	

**Key:**

Superseded units / recommended replacements

New unit

~~Proposed deletion~~ - deleted units/units proposed for deletion

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### Packaging Rules

To achieve this qualification, competency must be demonstrated in:

- 16 units of competency:
  - 3 core unit 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:

- 4 must be from electives Group A
- 7 must be from electives Group A or B
- 2 from the remaining units listed in Groups A or B, or any other currently endorsed Training Package or accredited course packaged at Certificate II.

### Core Units

AHCIRG219	Assist with low volume irrigation operations
AHCIRG221	Assist with pressurised irrigation operations
AHCWHS202	Participate in workplace health and safety processes

### Elective Units

#### Group A

AHCIRG220	Assist with surface irrigation operations
AHCIRG222	Assist with pump and flow control device operations
AHCSOL203	Assist with soil or growing media sampling and testing
AHCWRK211	Participate in environmentally sustainable work practices
NWPIWS002	Operate regulating devices in rural irrigation systems
<del>NWPIRR012</del>	<del>Construct open earthen channels or drains</del>

#### Group B

(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.)

AHCDRG202	Maintain drainage systems
AHCMOM203	Operate basic machinery and equipment
AHCPER221	Recognise characteristics of integrated plant and animal systems
AHCWRK212	Work effectively in industry
AHCWRK213	Participate in workplace communications

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AHCWRK216	Provide information on products and services
CPCPCM2040	Read plans, calculate quantities and mark out materials
CPCPCM2043	Carry out WHS requirements
CPCPCM2047*	Carry out levelling
<del>NWPIRR013</del>	<del>Construct and install irrigation delivery and stormwater drainage assets</del>
NWPNET019	Prepare and restore work site
TLID0020	Shift materials safely using manual handling methods

### Prerequisite Units

Unit of competency	Prerequisite requirement
CPCPCM2047 Carry out levelling	CPCPCM2043 Carry out WHS requirements

### Qualification Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHC21124 Certificate II in Irrigation	AHC21119 Certificate II in Irrigation	Updated 1 Core unit, 12 Elective units, prerequisite requirements and removed 2 deleted 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: AHC21124 Certificate II in Irrigation (was AHC21119)**

**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	NE	<p><u>Elements</u> - unchanged</p> <p><u>Performance Criteria</u> - consolidated in Elements 1 and 2 PC 1.5, 1.6, 1.7 removed.</p> <p>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</p> <p><u>Foundation Skills</u> added (Reading and Oral Communication)</p> <p><u>Performance Evidence</u> Now emphasises safely completing a work task on “<i>at least one occasion</i>” instead of “<i>performance demonstrated consistently over time and in a suitable range of contexts</i>”</p>

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Unit's location in impacted qualification	Current Unit	Replacement Unit	Equivalence	Notes on change
				<p>Performance Evidence relating to “<i>identify tasks or information from labels, manuals or written instructions</i>” removed to be covered under relevant to workplace procedures for identifying tasks</p> <p><u>Knowledge Evidence</u> - consolidated Relevant machinery and equipment operator manuals now covered under workplace procedures</p> <p><u>Assessment Conditions</u> - updated</p>
Elective	AHCWRK209 Participate in environmentally sustainable work practices	AHCWRK211 Participate in environmentally sustainable work practices	NE	<p>Redesigned unit that includes content from <i>AHCWRK202 Observe environmental work practices</i> and <i>AHCWRK209 Participate in environmentally sustainable work practice</i></p> <p><u>Elements</u> – unchanged (compared with AHCWRK209)</p> <p><u>Performance Criteria</u> – minor edits for clarity</p> <p><u>Foundation Skills</u> added (Reading, Writing, Oral Communication and Numeracy)</p> <p><u>Performance Evidence</u> Frequency added. Now states that the individual has “<i>participated in environmentally sustainable work practices on at least one occasion and identified and reported potential breaches on at least two occasions</i>”.</p> <p><u>Knowledge Evidence</u> - expanded to specify lists of:</p> <ul style="list-style-type: none"> <li>• environmental and resource hazards and risks relevant to industry sector</li> <li>• resources used in own industry sector</li> <li>• environmental resources used in own industry sector</li> </ul> <p><u>Assessment Conditions</u> - updated</p>

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Unit's location in impacted qualification	Current Unit	Replacement Unit	Equivalence	Notes on change
Elective	AHCWRK204 Work effectively in the industry	AHCWRK212 Work effectively in industry	NE	<p><u>Elements</u> - consolidated                      Elements 4,5,6, and 7 merged to 4 and 5:                      4. Participate and contribute to a productive team environment                      5. Confirm and undertake workplace activities</p> <p><u>Performance Criteria</u>                      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</p> <p><u>Foundation Skills</u> added (Reading and Oral Communication)</p> <p><u>Performance Evidence</u>                      Now emphasises safely completing a work task on “<i>at least one occasion</i>” instead of “<i>performance demonstrated consistently over time and in a suitable range of contexts</i>”                      “<i>Co-operated and communicated in a respectful manner</i>” replaces:</p> <ul style="list-style-type: none"> <li>• meet the industry standard for dress</li> <li>• communicate effectively with team members and supervisors</li> <li>• use industry terminology</li> </ul> <p><u>Knowledge Evidence</u> - minor changes to update workplace terminology</p> <p><u>Assessment Conditions</u> - updated</p>

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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	<p><u>Elements</u> - 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</p> <p><u>Performance Criteria</u> – consolidated under new Element 1</p> <p><u>Foundation Skills</u> added (Writing, Oral Communication and Numeracy)</p> <p><u>Performance Evidence</u> Now emphasises the individual has participated in workplace communications “<i>on at least one occasion</i>” instead of “<i>performance demonstrated consistently over time and in a suitable range of contexts</i>” Performance Evidence consolidated to emphasise communication activities relevant to the workplace and points below have been removed:</p> <ul style="list-style-type: none"> <li>• estimating, calculating and recording routine workplace measures</li> <li>• using basic mathematical processes of addition, subtraction, division, multiplication, percentages, decimal points and ratios</li> </ul> <p><u>Knowledge Evidence</u> - minor edits for clarity</p> <p><u>Assessment Conditions</u> - updated</p>
Elective	AHCWRK208 Provide information on products and services	AHCWRK216 Provide information on products and services	NE	<p><u>Elements</u> – unchanged</p> <p><u>Performance Criteria</u> – minor edits and simplified for clarity</p> <p><u>Foundation Skills</u> added (Reading and Oral Communication)</p>



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Unit's location in impacted qualification	Current Unit	Replacement Unit	Equivalence	Notes on change
				<p><u>Performance Evidence</u> Frequency added. Now states that the individual has “<i>provided information on products and services on at least two occasions</i>”</p> <p><u>Knowledge Evidence</u> – minor edits for clarity</p> <p><u>Assessment Conditions</u> - updated</p>
Elective	AHCSOL202 Assist with soil or growing media sampling and testing	AHCSOL203 Assist with soil or growing media sampling and testing	NE	<p><u>Elements</u> New element added to cover the completion of sampling and testing activities</p> <p><u>Performance Criteria</u> New content included to outline steps in the sampling and testing process</p> <p><u>Foundation skills</u> added (Reading, Writing, Oral communication)</p> <p><u>Performance Evidence</u> Frequency added. Now states that the “<i>individual has sampled and tested soil or growing media on at least two occasions</i>”</p> <p><u>Knowledge Evidence</u> – minor changes for clarity</p> <p><u>Assessment Conditions</u> - updated</p>
Elective	AHCPER209 Recognise characteristics of integrated plant and animal systems	AHCPER221 Recognise characteristics of integrated plant and animal systems	NE	<p><u>Elements</u> Two new elements to emphasise understanding of animal and plant interactions at a permaculture site</p> <p><u>Performance Criteria</u></p>

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Unit's location in impacted qualification	Current Unit	Replacement Unit	Equivalence	Notes on change
				<p>Revised to better align to job-specific outcomes</p> <p><u>Performance Evidence</u> Frequency added. Now states that the individual “<i>recognises the characteristics of the integration of plants and animals in a permaculture system on at least one occasion</i>”</p> <p><u>Knowledge Evidence</u> – minor changes for clarity</p> <p><u>Assessment Conditions</u> - updated</p>
Elective	CPCPCM2040A Read plans and calculate plumbing quantities	CPCPCM2040 Read plans, calculate quantities and mark out materials	NE	<p>Title change</p> <p>Redesigned unit that includes content from <i>CPCPCM2040A Read plans and calculate plumbing quantities</i> and, <i>CPCPCM2050A Mark out materials</i></p> <p>Updated to meet the <i>Standards for Training Packages 2012</i></p> <p>Elements - reduced from 8 to 3</p> <p>Two pre-requisite units now included: <i>CPCPCM2043 Carry out WHS requirements</i> <i>CPCPCM3024 Prepare simple drawings</i></p> <p><u>Performance Evidence</u> Frequency added in accordance with <i>Standards for Training Packages 2012</i></p>
Elective	CPCPCM2047A Carry out levelling	CPCPCM2047 Carry out levelling	NE	<p>Prerequisite unit updated – <i>CPCPCM2043 Carry out WHS requirements</i></p> <p>Changes to performance criteria, required skills and knowledge, range statement and critical aspects</p>

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Unit's location in impacted qualification	Current Unit	Replacement Unit	Equivalence	Notes on change
Elective	CPCPCM2043A Carry out WHS requirements	CPCPCM2043 Carry out WHS requirements	E	Minor changes
Elective	NWPIRR002 Operate basic flow control and regulating devices in irrigation systems	NWPIWS002 Operate regulating devices in rural irrigation systems	E	Minor changes
Elective	NWPNET002 Prepare and restore work site	NWPNET019 Prepare and restore work site	E	Minor changes
Elective	TLID1001 Shift materials safely using manual handling methods	TLID0020 Shift materials safely using manual handling methods	E	Minor changes
Elective	NWPIRR012 Construct open earthen channels or drains	Deleted		
Elective	NWPIRR013 Construct and install irrigation delivery and stormwater drainage asset	Deleted		