

AHC41124 Certificate IV in Irrigation Management

(was AHC41119)

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.

AHC41124	Certificate IV in Irrigation Management
<p>Qualification Description</p> <p>This qualification describes the skills and knowledge for supervisory and management job roles in the irrigation industry</p> <p>Individuals with this qualification perform tasks involving technical skills, problem solving and supervisory skills to operate, monitor and improve performance of irrigation systems and supervise the installation of irrigation systems.</p> <p>Work must comply with work health and safety and environmental regulations and legislation that apply to the workplace.</p> <p>No licensing, legislative or certification requirements apply to this qualification at the time of publication.</p>	
<p>Entry Requirements</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Superseded units / recommended replacements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:

- 12 units of competency:
 - 8 core units plus
 - 4 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:

- 2 must be from the electives list below
- 2 from the remaining electives listed below or any other currently endorsed Training Package or accredited course.

Core Units

AHCIRG435	Determine hydraulic parameters for an irrigation system
AHCIRG436	Implement an irrigation-related environmental protection program
AHCIRG437	Schedule irrigations
AHCIRG438	Select and manage pumping systems for irrigation
AHCIRG439	Interpret and apply irrigation designs
AHCIRG442	Supervise irrigation system installation
AHCIRG443	Supervise irrigation system maintenance
AHCWHS402	Maintain workplace health and safety processes

Elective Units

AHCBUS407	Cost a project
AHCBUS408	Operate within a budget framework
AHCDRG403	Coordinate and supervise installation of an irrigation drainage system
AHCDRG404	Monitor and control irrigation drainage systems
AHCINF308	Install and terminate extra low voltage wiring systems
AHCIRG337	Measure irrigation delivery system performance
AHCIRG440	Manage a moving sprinkler irrigation system
AHCIRG441	Evaluate water supply for irrigation
AHCIRG444	Manage irrigation systems
AHCIRG445	Manage surface irrigation systems
AHCMER408	Coordinate customer service and networking activities

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AHCIRG446	Provide irrigation sales and service
AHCSOL406	Sample soils and interpret results
AHCWRK404	Implement quality assurance procedures
AHCWRK409	Supervise work routines and staff performance
AHCWRK410	Implement and monitor environmentally sustainable work practices
BSBHRM415	Coordinate recruitment and onboarding
BSBLDR414	Lead team effectiveness
BSBOPS402	Coordinate business operational plans
BSBINS401	Analyse and present research information
BSBINS309	Maintain business records
BSBINS410	Implement records systems for small business
BSBESB407	Manage finances for new business ventures
BSBPEF402	Develop personal work priorities
BSBWRT411	Write complex documents
ICTICT402	Determine project specifications and secure client agreement
NWPIWS014	Coordinate and monitor the operation of irrigation delivery systems
NWPTRT028	Operate and control reclaimed water irrigation
TAEASS311	Contribute to assessment
TAEDEL311	Provide work skill instruction

Qualification Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHC41124 Certificate IV in Irrigation Management	AHC41119 Certificate IV in Irrigation Management	Updated 1 Core, 7 Elective units and removed 1 deleted Elective unit	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>

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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	AHCWHS401 Maintain work health and safety processes	AHCWHS402 Maintain workplace health and safety processes	NE	<p>Minor changes to unit <u>Title</u> and <u>Application</u>. Work replaced with workplace and changes to emphasise clear and respectful communication</p> <p>Major changes to <u>Performance Criteria</u>. Increased emphasis on the importance of clear and respectful communication, both written and oral</p> <p>Reference to both 'near misses' and 'emergencies'. Removal of qualifier words such as regularly, clearly and accurately</p> <p><u>Foundation Skills</u> added (Reading and Oral communication)</p> <p><u>Range of Conditions</u> removed completely</p> <p>Addition of frequency to the <u>Performance Evidence</u>. <i>'There must be evidence that the individual has maintained workplace health and safety processes on at least one occasion'</i></p>

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Unit's location in impacted qualification	Current Unit	Replacement Unit	Equivalence	Notes on change
				<p>Addition and removal of specific <u>Knowledge Evidence</u> points in line with updated terminology and current workplace health and safety processes</p> <p><u>Assessment Conditions</u> updated</p> <p>Recommendation: Use updated unit AHCWHS402, this unit of competency was reviewed and developed in close association with Farmsafe Australia</p>
Elective	AHCINF304 Install and terminate extra low voltage wiring systems	AHCINF308 Install and terminate extra low voltage wiring systems	NE	<p>Minor changes to <u>Application</u></p> <p>Major and minor changes to <u>Performance Criteria</u></p> <p><u>Foundation Skills</u> added Major and minor edits to <u>Performance Evidence, Knowledge Evidence</u> and <u>Assessment Conditions</u></p>
Elective	AHCWRK401 Implement and monitor quality assurance procedures	AHCWRK404 Implement quality assurance procedures	NE	<p>Minor changes to unit <u>Title</u> and <u>Application</u>. Wording change to remove 'monitor'</p> <p><u>Performance Criteria</u> re-ordered and three added to cover industry-based systematic approaches to quality assurance, record keeping and document control registers</p> <p><u>Foundation Skills</u> added (Reading, Writing and Oral communication)</p> <p><u>Range of Conditions</u> removed completely</p> <p>Addition of frequency to <u>Performance Evidence</u> and additional points to cover updated systems and procedures for implementing quality assurances across a wide range of industry sectors</p> <p>Addition and removal of specific <u>Knowledge Evidence</u> points. Removal of references to critical control points HACCP and inclusion of record keeping templates and document control registers</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	AHCWRK403 Supervise work routines and staff performance	AHCWRK409 Supervise work routines and staff performance	NE	<p>Minor changes to <u>Application</u></p> <p>Re-ordering, amalgamation and consolidation of <u>Performance Criteria</u></p> <p><u>Foundation Skills</u> added (Oral communication)</p> <p><u>Range of Conditions</u> removed completely</p> <p>Addition of frequency to <u>Performance Evidence</u> and additional focus on the development and communication of staff work plans.</p> <p>Major and minor changes to <u>Knowledge Evidence</u> to focus on workplace requirements applicable to health and safety in the workplace for supervising work routines and staff performance</p> <p><u>Assessment Conditions</u> updated</p>
Elective	AHCWRK405 Implement and monitor environmentally sustainable work practices	AHCWRK410 Implement and monitor environmentally sustainable work practices	NE	<p>Minor changes to <u>Application</u></p> <p>Minor changes to elements and <u>Performance Criteria</u> consolidated by reordering to meet industry requirements</p> <p><u>Foundation Skills</u> added (Reading, Writing and Oral communication)</p> <p><u>Range of Conditions</u> removed completely</p>

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Unit's location in impacted qualification	Current Unit	Replacement Unit	Equivalence	Notes on change
				<p>Addition of frequency to <u>Performance Evidence</u> to include seeking improvement feedback from stakeholders, key personnel and specialists.</p> <p>Major and minor changes to <u>Knowledge Evidence</u> to emphasise principles of sustainability and the circular economy, environmental hazard analysis and risk assessment techniques</p> <p><u>Assessment Conditions</u> updated</p>
Elective	NWPIRR033 Coordinate and monitor the operation of irrigation delivery systems	NWPIWS014 Coordinate and monitor the operation of irrigation delivery systems	E	Minor updates to unit
Elective	TAEASS301 Contribute to assessment	TAEASS311 Contribute to assessment	E	Minor updates to unit
Elective	TAEDEL301 Provide work skill instruction	TAEDEL311 Provide work skill instruction	E	Minor updates to unit
Elective	ICTICT402 Determine project specifications and secure client agreement	Deleted		