AHC51624 Diploma of Irrigation Design

(was AHC51619)

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

Skills Insight is seeking comment from those who may be impacted by the replacement of the units so that disruptions can be minimised. These updates are not to change the intent of the qualifications, simply to include units already consulted on with stakeholders to better meet skills needs.

Below is an updated version of Diploma of Irrigation Design as well as a summary of the updates made to units within it.

This document provides a list of units of competency to be updated in this qualification and includes notes on changes between the current and updated units. Other units are not included as they don't need to be changed.

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

Key:

Superseded units / recommended replacements

New unit

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

Modification History

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

AHC51624	**Diploma of Irrigation Design**

Qualification Description

This qualification describes the skills and knowledge for technical and leadership job roles in the irrigation industry.

Individuals with this qualification will take personal responsibility and exercise autonomy in undertaking complex work. They must analyse information and exercise judgement to complete a range of advanced skilled activities.

Work must comply with work health and safety and environmental regulations and legislation that apply to the workplace.

No licensing, legislative or certification requirements apply to this qualification at the time of publication.

Entry Requirements

There are no entry requirements for this qualification.

Packaging Rules

To achieve this qualification, competency must be demonstrated in:

- 11 units of competency:
  - 6 core units plus
  - 5 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:

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

Core Units

AHCIRG435	Determine hydraulic parameters for an irrigation system
AHCIRG506	Design irrigation systems
AHCIRG507	Audit irrigation systems
AHCIRG508	Design irrigation system maintenance and monitoring programs
AHCIRG509	Develop an irrigation and drainage management plan
AHCSOL407	Develop a soil use map for a property

Elective Units

AHCBAC409	Provide advice on agronomic products
AHCBUS511	Manage enterprise staff requirements
AHCBUS513	Market products and services
AHCBUS514	Negotiate and monitor contracts
AHCBUS515	Prepare estimates, quotes and tenders
AHCBUS516	Develop and review a business plan
AHCBUS517	Monitor and review business performance
AHCBUS518	Prepare and monitor budgets and financial reports
AHCDRG502	Design drainage systems
AHCIRG349	Recommend irrigation products and services
AHCIRG446	Provide irrigation sales and service
AHCIRG510	Establish and maintain an irrigation-related environmental protection program
AHCWHS503	Manage workplace health and safety processes

AHCWRK506	Collect and manage data
AHCWRK513	Write and present reports
AHCWRK516	Implement professional practice
AHCWRK518	Provide specialist advice to clients
AHCWRK519	Audit site operations
AHCWRK520	Develop workplace policy and procedures for environment and sustainability
BSBFIN501	Manage budgets and financial plans
BSBHRM525	Manage recruitment and onboarding
BSBINS401	Analyse and present research information
BSBOPS505	Manage organisational customer service
PUAMAN005	Manage projects
TLIR4002	Source goods/services and evaluate contractors

Qualification Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHC51624 Diploma of Irrigation Design	AHC51619 Diploma of Irrigation Design	Updated 1 Core unit and 14 Elective units	To be confirmed

Links

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

Qualification: AHC51624 Diploma of Irrigation Design (AHC51619)

Unit's location in impacted qualification	Current Unit	Replacement Unit	Equivalence	Notes on change
Core	AHCSOL402 Develop a soil use map for a property	AHCSOL407 Develop a soil use map for a property	E	Performance criteria clarified Foundation skills added Assessment requirements updated
Elective	AHCWHS502 Manage work health and safety processes	AHCWHS503 Manage workplace health and safety processes	NE	Minor changes to unit Title and Application Minor changes to Elements. Work and enterprise replaced with workplace Additional Performance Criteria to emphasise development of workplace health and safety management plans, reviewing safety induction and training programs, documentation and record keeping Minor changes to Performance Evidence and Knowledge Evidence for correct terminology. Assessment Conditions updated Recommendation: Use updated unit AHCWHS503, this unit of competency was reviewed and developed in close association with Farmsafe Australia.
Elective	AHCWRK502 Collect and manage data	AHCWRK506 Collect and manage data	NE	Minor changes to Application and Elements Minor changes to Performance Criteria including reordering for correct sequencing of tasks Foundation Skills added (Reading and Oral communication) Range of Conditions removed completely Addition of frequency to Performance Evidence and minor changes to update terminology and for clarity.

Unit's location in impacted qualification	Current Unit	Replacement Unit	Equivalence	Notes on change
				Knowledge Evidence updated to include sensitive data collection and storage techniques Assessment Conditions updated
Elective	AHCWRK507 Implement professional practice	AHCWRK516 Implement professional practice	NE	Minor changes to Application. Elements unchanged and minor changes to Performance Criteria Foundation Skills added (Reading, Writing and Oral communication) Range of Conditions removed completely Addition of frequency in Performance Evidence and minor changes. Minor changes only to Knowledge Evidence Assessment Conditions updated
Elective	AHCWRK509 Provide specialist advice to clients	AHCWRK518 Provide specialist advice to clients	NE	Minor changes to Application No changes to Elements and minor updates to Performance Criteria for clarity and correct sequencing of tasks Foundation Skills added (Reading, Writing and Oral communication) Range of Conditions removed completely Addition of frequency to Performance Evidence and minor changes

Unit's location in impacted qualification	Current Unit	Replacement Unit	Equivalence	Notes on change
				Knowledge Evidence updated to include methods and strategies for researching relevant information, maintaining currency of specialist knowledge and presenting to clients Assessment Conditions updated
Elective	AHCWRK510 Audit site operations	AHCWRK519 Audit site operations	NE	Minor changes to Application Minor change to Elements 4 four and minor changes to several Performance Criteria, mostly simplification and reordering of information Foundation Skills added (Reading, Writing and Oral communication) Range of Conditions removed completely Addition of frequency to Performance Evidence and minor changes to specify regulatory and industry requirements relevant to the audit of site operations and applying codes of practice and Australian standards relevant to the audit of site operations Minor changes to Knowledge Evidence Assessment Conditions updated
Elective	AHCWRK511 Develop workplace policy and procedures for sustainability	AHCWRK520 Develop workplace policy and procedures for environment and sustainability	NE	Minor changes to unit Title and Application Minor changes to Elements Major and minor changes to Performance Criteria which includes reordering and simplifying steps Foundation Skills added (Reading, Writing, Oral communication and Numeracy)

Unit's location in impacted qualification	Current Unit	Replacement Unit	Equivalence	Notes on change
				Range of Conditions removed completely Addition of frequency to Performance Evidence and minor changes Changes to Knowledge Evidence to include principles of environmental hazard analysis and risk assessment Assessment Conditions updated
Elective	AHCMER304 Recommend irrigation products and services	AHCIRG349 Recommend irrigation products and services	E	Unit code and sector changed Performance criteria clarified Foundation skills added Assessment requirements updated
Elective	AHCMER404 Provide advice on agronomic products	AHCBAC409 Provide advice on agronomic products	E	Unit code and unit sector changed Performance criteria clarified Foundation skills added Assessment requirements updated
Elective	AHCMER407 Provide irrigation sales and service	AHCIRG446 Provide irrigation sales and service	E	Unit code and sector changed Performance criteria clarified Foundation skills added Assessment requirements updated
Elective	AHCWRK503 Prepare reports	AHCWRK513 Write and present reports	E	Title updated Performance criteria clarified Foundation skills added Assessment requirements updated

Unit's location in impacted qualification	Current Unit	Replacement Unit	Equivalence	Notes on change
Elective	BSBCUS501 Manage quality customer service	BSBOPS505 Manage organisational customer service	E	Redesigned unit including content from: *BSBCUS501 Manage quality customer service* *BSBCUE504 Integrate customer engagement within the organisation* *BSBCUE601 Optimise customer engagement operations* *BSBCUE602 Manage customer engagement information* *BSBCUE603 Design and launch new customer engagement facilities* *BSBSLS501 Develop a sales plan*
Elective	BSBFIM501 Manage budgets and financial plans	BSBFIN501 Manage budgets and financial plans	E	Redesigned unit including content from *BSBFIM501 Manage budgets and financial plans* and *BSBGOV403 Analyse financial reports and budgets*
Elective	BSBHRM506 Manage recruitment selection and induction processes	BSBHRM525 Manage recruitment and onboarding	E	Minor updates to unit
Elective	BSBRES411 Analyse and present research information	BSBINS401 Analyse and present research information	E	Minor updates to unit