

Field Engineering and Technology

Registration of Australian Units of Competency for *Irrigation*

The Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council requests the registration of the unit standards listed above.

Date new versions published

April 2025

Planned review date

December 2029

Summary

Hanga-Aro-Rau Manufacturing, Engineering, and Logistics Workforce Development Council met with stakeholders from the Irrigation industry in the second half of 2024 to discuss the training and workforce needs of the industry. At the time, training was provided by an Australian provider, and learners were awarded Australian qualifications. The industry wants to offer New Zealand qualifications and the Australian Units of Competency listed here provide the building blocks for these.

Main changes

- Australian Units of Competency will be listed on the New Zealand Qualifications Framework and provided with unit standard numbers.

Detailed list of unit and skill standards – classification, title, level, and credits

All changes are in **bold**.

Key to review category	
A	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number
B	Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID and a new version number
C	Major changes that necessitate the registration of a replacement standard with a new ID
D	Standard will expire and not be replaced

Engineering and Technology > Water Industry > Irrigation

ID	Title	Level	Credit	Review Category
33432	Cost an irrigation project	5	10	New
33433	Install and terminate extra low voltage in irrigation wiring systems	3	10	New
33434	Operate irrigation controller and sensor technology	3	3	New
33436	Troubleshoot irrigation systems	4	10	New
33437	Monitor soils under irrigation	4	5	New
33438	Install irrigation pumps	3	10	New
33440	Interpret irrigation plans and drawings	3	2	New
33441	Operate irrigation injection equipment	4	5	New
33443	Install pressurised irrigation systems	3	12	New
33444	Operate pressurised irrigation systems	4	3	New
33445	Maintain pressurised irrigation systems	3	5	New
33446	Operate and maintain a moving irrigation system	4	5	New
33447	Recommend irrigation products and services	4	10	New
33448	Determine hydraulic parameters for an irrigation system	5	15	New

ID	Title	Level	Credit	Review Category
33449	Implement an irrigation-related environmental protection program	4	2	New
33450	Select and manage pumping systems for irrigation	5	15	New
33451	Interpret and apply irrigation designs	4	5	New
33452	Manage a moving sprinkler irrigation system	4	5	New
33453	Evaluate water supply for irrigation	4	3	New
33454	Supervise irrigation system installation	4	10	New
33455	Supervise irrigation system maintenance	4	10	New
33456	Manage irrigation systems	5	15	New
33457	Operate machinery and equipment in the irrigation industry	3	10	New
33458	Sample soils and interpret results for an irrigation site	5	5	New