

National Certificate in Irrigation (Evaluation) (Level 4)

Level 4

Credits 51

This qualification has been **reviewed**. The last date to meet the requirements is 31 December 2019.

Transition Arrangements

This qualification has been reviewed and replaced by the New Zealand Certificate in Irrigation System Performance Assessment (Level 4) [Ref: 2555].

The last date for entry into programmes leading to the qualification is 31 December 2016.

The last date to meet the requirements of the qualification is 31 December 2019 at which point the qualification will be designated discontinued. From that date no results can be reported against the qualification.

For detailed information see [Review Summaries](#) on the NZQA website.

This qualification contained a standard that has expired or been replaced by another standard. For the purposes of this qualification, people who have gained credit for the expiring standard are exempt from the requirement to gain credit for the replacement standard – see table below.

Credit for	Exempt from
18425	23540

NZQF National Qualification Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	November 2004	December 2010
Revision	2	June 2008	December 2019
Review	3	January 2015	December 2019

Standard Setting Body

Primary Industry Training Organisation
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Reviewed

National Certificate in Irrigation (Evaluation) (Level 4)

Level 4

Credits 51

Purpose

This qualification recognises the skills and knowledge of an experienced professional irrigation evaluator.

Holders of the qualification will have a general knowledge of: irrigation systems, components, and performance; and hydraulic parameters, irrigation scheduling, efficiency statistics, and Key Performance Indicators (KPIs). They will be able to undertake on-site evaluations of irrigation systems, and analyse the data collected to produce a report on the overall performance of the irrigation system and its management.

People will also have knowledge of hazard identification and control procedures, and may be involved with irrigation equipment in order to carry out irrigation evaluations.

On-site evaluations of irrigation systems are carried out in accordance with the *Irrigation Code of Practice: On-Farm Evaluation*, which is a recent initiative of the New Zealand Irrigation Association. All the unit standards in this qualification are compulsory requirements of an irrigation evaluator. It is expected that people will already have some general knowledge and experience prior to specialising in this area.

Credit Range

Level 2 credits	5
Level 4 credits	36
Level 5 credits	10
Total	51

Requirements for Award of Qualification

Award of NQF Qualifications

Credit gained for a standard may be used only once to meet the requirements of this qualification.

Unit standards and achievement standards that are equivalent in outcome are mutually exclusive for the purpose of award. The table of mutually exclusive standards is provided in section 7 of the New Zealand Qualifications Authority (NZQA) Rules and Procedures publications available at <http://www.nzqa.govt.nz/ncea/acrp/index.html>.

Reviewed standards that continue to recognise the same overall outcome are registered as new versions and retain their identification number (ID). Any version of a standard with the same ID may be used to meet qualification requirements that list the ID and/or that specify the past or current classification of the standard.

Summary of Requirements

- Compulsory standards

Detailed Requirements

Compulsory

The following standards are required

Agriculture, Forestry and Fisheries > Agriculture > General Agriculture

ID	Title	Level	Credit
23540	Demonstrate knowledge of hazards, hazard control, and the consequences of injury in a rural workplace	2	5

Engineering and Technology > Water Industry > Irrigation

ID	Title	Level	Credit
20955	Demonstrate knowledge of irrigation systems, components, and performance	4	6
20956	Determine hydraulic parameters for an irrigation system	4	8
20957	Demonstrate knowledge of efficiency statistics, calculate KPIs and determine irrigation requirements	4	6
20958	Demonstrate knowledge of water, and determine application rates, for irrigation	4	6
20959	Carry out on-site evaluations of irrigation systems	4	10
20960	Analyse on-site irrigation system evaluation data, and prepare reports	5	10

Transition Arrangements

Version 2

Version 2 was issued following revision.

Changes to structure and content

- Standard 18425 was replaced by standard 23540.

For detailed information see [Review Summaries](#) on the NZQA website.

Certification

The certificate will display the logos of NZQA, the Agriculture Industry Training Organisation and the accredited organisation.

Classification

This qualification is classified according to the NQF classification system and the New Zealand Standard Classification of Education (NZSCED) system as specified below.

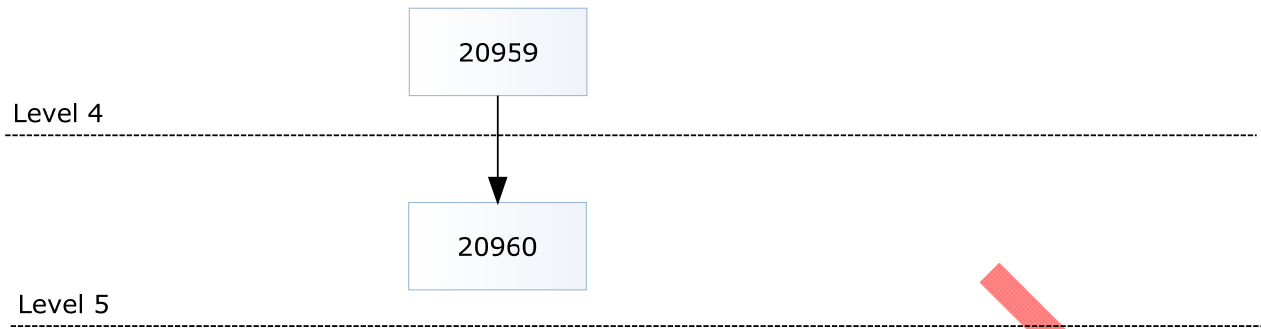
DAS Classification		NZSCED	
Code	Description	Code	Description
1940	Engineering and Technology > Water Industry > Irrigation	039901	Engineering and Related Technologies > Other Engineering and Related Technologies > Environmental Engineering

Quality Management Systems

Providers and Industry Training Organisations must be accredited by a recognised Quality Assurance Body before they can register credits from assessment against standards. Accredited providers and Industry Training Organisations assessing against standards must engage with the moderation system that applies to those standards. Accreditation requirements and the moderation system are outlined in the associated Accreditation and Moderation Action Plan (AMAP) for each standard.

Review

Prerequisite Diagram



Reviewed