

Title	Interpret irrigation system performance results against system specifications, and report findings		
Level	4	Credits	15

Purpose	People credited with this unit standard are able to: identify and describe irrigation system specifications and KPIs and their implications on system performance; interpret results of irrigation system performance; and report findings from the irrigation system performance assessment.
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Classification	Water Industry > Irrigation
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Available grade	Achieved
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Guidance Information

- 1 Legislation, and the policy statement relevant to this unit standard include but are not limited to:
 - Building Act 2004;
 - Health and Safety at Work Act 2015;
 - Resource Management Act 1991;
 - National Policy Statement for Freshwater Management 2014; and any subsequent amendments.
- 2 Definition
Key Performance Indicators (KPIs) cover aspects of a systems operation through data collection during field testing and may vary depending on system type.
- 3 For the purposes of assessment:
 - evidence for the practical components of this unit standard must be collected from two separate commercial irrigation systems.
 - the irrigation system performance assessment is for an agricultural or horticultural property, sports turf, or public ground.
 - evidence for all outcomes must be presented in accordance with New Zealand Piped Irrigation System Performance Assessment Code of Practice; New Zealand Water Measurement Code of Practice; and Irrigation New Zealand Technical Glossary; available from the Irrigation New Zealand website, <http://irrigationnz.co.nz/>.

Outcomes and performance criteria

Outcome 1

Identify and describe irrigation system specifications and KPIs and their implications on system performance.

Performance criteria

- 1.1 Identify system specifications and describe their implications on system performance.
- 1.2 Identify system KPIs and describe their implications on system performance.

Outcome 2

Interpret results of irrigation system performance.

Performance criteria

- 2.1 Run a system performance assessment and compare results with system specifications and KPIs.
- 2.2 Interpret results and where appropriate determine potential variations in expected performance and adjust to meet system specifications and KPIs.

Outcome 3

Report findings from irrigation system performance assessment.

Performance criteria

- 3.1 Produce a report of assessment results, conclusions and recommendations.

Replacement information	This unit standard replaced unit standard 20959, 20957 and 20960
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Planned review date	31 December 2024
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	20 August 2015	31 December 2022
Review	2	27 February 2020	N/A

Consent and Moderation Requirements (CMR) reference	0179
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact the Primary Industry Training Organisation standards@primaryto.ac.nz if you wish to suggest changes to the content of this unit standard.