

Title	Demonstrate knowledge of and carry out infrastructure works quality assurance requirements		
Level	4	Credits	6

Purpose	People credited with this unit standard are able to: demonstrate knowledge of quality assurance; demonstrate knowledge of the requirements of a quality plan; and complete quality assurance tests for infrastructure works.
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Classification	Infrastructure Works > Generic Infrastructure Works
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Available grade	Achieved
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Guidance Information

- 1 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with relevant legislative and industry requirements.
- 2 Legislation and standards relevant to this unit standard include:
 - Health and Safety at Work Act 2015;
 - TQS1: 2005 Waka Kotahi NZ Transport Agency Quality Standard;
 - TQS2: 2005 Waka Kotahi NZ Transport Agency Quality Standard, available from www.nzta.govt.nz/resources/;
 - and all subsequent amendments and replacements.
- 3 Definitions

Hold points refer to the stage of work that requires testing, checking, or certification before work can proceed.

Industry requirements refer to relevant policies, processes, methodologies, industry codes of practice, site specific health and safety plans, standard operating procedures, site safety plans, quality plans, work plans, traffic management plans, contract work programmes, job safety analysis, safe work method statements, job instructions, manufacturer's requirements, contract specifications, manuals, procedural documents.

ISO 9001 refers to the ISO 9001 family of quality management documents for which companies gain specific accreditation.

Quality plan refers to a documented plan for quality assurance that may be contract-specific or based on a recognised quality assurance standard ISO 9001 series TQS series

Recorded, for this unit standard, means to indicate the construction set-out position on a plan or drawing.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of quality assurance for infrastructure works.

Performance criteria

- 1.1 Quality assurance for supplying a product or service relating to infrastructure works, and how this can be specified and met is explained.
- 1.2 The impact of individual performance on own and infrastructure works company's professional reputation is explained.
- 1.3 Procedures for detecting and reporting defects in infrastructure works plant, materials, and activities are identified and explained.

Outcome 2

Demonstrate knowledge of the requirements of a quality plan for infrastructure works.

Performance criteria

- 2.1 Hold points for a project are identified in the plan and actions required when those points are reached are explained.
- 2.2 Infrastructure works testing requirements are identified in the plan, and responsibilities for meeting them are explained.
- 2.3 Corrective actions for non-complying infrastructure works test results are explained in accordance with the quality plan.
- 2.4 Individual inputs and responsibilities for quality assurance and how they are met are determined from the quality plan.

Outcome 3

Complete quality assurance tests for infrastructure works.

Performance criteria

- 3.1 Quality assurance tests are actioned, recorded, and reported in accordance with own level of responsibility.

Range evidence is required for two quality assurance tests.

Replacement information	
	This unit standard replaced unit standard 17500.

Planned review date	31 December 2026
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 September 2006	31 December 2012
Review	2	18 February 2011	31 December 2016
Review	3	19 February 2015	31 December 2021
Review	4	27 September 2018	31 December 2023
Review	5	29 July 2021	N/A

Consent and Moderation Requirements (CMR) reference	0101
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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 Connexis - Infrastructure Industry Training Organisation qualifications@connexis.org.nz if you wish to suggest changes to the content of this unit standard.