

Title	Determine, implement and monitor quality assurance procedures for an infrastructure works project		
Level	5	Credits	8

Purpose	People credited with this unit standard are able to: determine from a quality plan the quality assurance requirements for an infrastructure works project, and implement and monitor quality assurance procedures for an infrastructure works project.
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Classification	Infrastructure Works > Infrastructure Works Supervision
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Available grade	Achieved
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Guidance Information

- 1 Assessment against this unit standard must take place in a workplace environment. Assessment parameters will depend on company and site-specific equipment, procedures, and practices. Practices must reflect industry best practice and comply with legislative requirements.
- 2 **Definitions**

Company requirements include the policy, procedures, and methodologies of the company. They include legislative and regulatory requirements which may apply across the company or to a specific site. Requirements are documented in the company's health and safety plans, traffic management plans, contract work programmes, quality assurance programmes, policies, and procedural documents.

Contract specifications include plans, diagrams, and special technical conditions. They do not include special administrative conditions.

Hold point means the stage of work that requires testing, checking, or certification before work can proceed. Hold points not specified in contract documents may be stated or implied in company requirements.

Quality plan refers to a documented plan for quality assurance that may be contract specific, ISO 9001 series, or TQS series.

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

TQS refers to the NZ Transport Agency's quality assurance specification for contracts involving road construction, road maintenance, and structures that assigns quality assurance levels as High (TQS1) or Normal (TQS2), available at <http://www.nzta.govt.nz/resources/>.

Outcomes and performance criteria

Outcome 1

Determine from a quality plan the quality assurance requirements for an infrastructure works project.

Performance criteria

- 1.1 Quality plan is interpreted to identify quality assurance processes for the project.
- 1.2 Hold points are determined in accordance with the quality plan and company requirements.
- Range may include – dimensions, tests, layer thickness, shape.
- 1.3 Certification requirements are identified and determined in accordance with the quality plan and company requirements.

Outcome 2

Implement and monitor quality assurance procedures for an infrastructure works project.

Performance criteria

- 2.1 Quality assurance for infrastructure works project is programmed and implemented in accordance with contract specifications, quality plan, and company requirements.
- Range includes but is not limited to – recording project progress, documenting project changes.
- 2.2 Quality assurance system is monitored and documented in accordance with contract specifications, quality plan, and company requirements.
- Range may include – pre-start checklist, hold points, standards, testing, corrective action.
- 2.3 In the event of non-conformance, corrective procedures are implemented in accordance with contract specifications and quality plan.
- Range may include – parameters for continuance of work.
- 2.4 Testing requirements are implemented in accordance with contract specifications, quality plan, and company and laboratory requirements.
- Range may include – field test, laboratory test.

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	18 March 2011	31 December 2020
Review	2	24 January 2019	31 December 2020
Review	3	27 June 2019	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.