

Title	Report infrastructure asset condition and attribute data		
Level	3	Credits	8

Purpose	<p>This unit standard is for people who maintain and repair infrastructure assets.</p> <p>People credited with this unit standard are able to: monitor infrastructure asset condition and attribute data by field inspection; and report infrastructure asset condition and attribute data.</p>
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Classification	Infrastructure Civil Engineering > Infrastructure Asset Management
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Available grade	Achieved
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Guidance Information

- 1 The following requirements apply to this unit standard:
 - policies, procedures, and requirements of the organisation involved;
 - the ethical codes and standards relevant to professional bodies;
 - and legislative requirements, which may include but are not limited to the:
 - Treaty of Waitangi Act 1975,
 - Health and Safety at Work Act 2015,
 - Resource Management Act 1991,
 - Building Act 1991,
 - Copyright Act 1994,
 - Local Government Act 2002,
 - Public Works Act 1981,
 - Land Transport Management Act 2003, and subsequent amendments.
- 2 Evidence for assessment of this unit standard should be related to the management of one or more of the asset groups listed below within a specific organisation.
- 3 This unit standard is intended for, but not limited to workplace assessment.
- 4 **Definition**
Infrastructure assets typically refer, but are not limited, to asset groups such as roads and bridges, airports, railways, ports, parks and recreation facilities, water supply systems, stormwater systems, wastewater systems, flood and land drainage systems, solid waste management, telecommunications, energy, and infrastructure buildings and facilities.

5 Range

Attribute data includes but is not limited to – location, material type or brand, dimensions, colour, surface texture.

Outcomes and performance criteria
Outcome 1

Monitor infrastructure asset condition and attribute data by field inspection.

Performance criteria

- 1.1 Attribute and initial asset condition data are obtained at scheduled times according to site operational procedures using standard industry equipment.
- 1.2 Critical variations from the standard condition for each asset are identified in accordance with prescribed inspection procedures.
- 1.3 Consequences of variations from standard conditions are explained.
- 1.4 Actions are taken to avoid failure in accordance with the maintenance management plan, and early signs of failure are identified.
- 1.5 Safety precautions are taken in accordance with the organisation's safety policies and procedures.

Outcome 2

Report infrastructure asset condition and attribute data.

Performance criteria

- 2.1 Asset condition and attribute data are described in a report in accordance with the organisation's maintenance management plan.
- 2.2 Data is recorded and formatted in a report according to site specific procedures, quality and customer requirements.
- 2.3 Recommended actions are recorded in a report according to organisational, operational and process requirements.

Planned review date	31 December 2025
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 April 2000	31 December 2017
Revision	2	19 February 2004	31 December 2017
Review	3	19 May 2016	31 December 2022
Review	4	22 October 2020	N/A

Consent and Moderation Requirements (CMR) reference

0101

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.