

Title	Demonstrate knowledge of damage avoidance, consequences of damage, and damage response for trenchless installations		
Level	4	Credits	4

Purpose	People credited with this unit standard are able to, for trenchless installations: describe damage avoidance; describe the consequences of damage; and demonstrate knowledge of damage response.
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Classification	Infrastructure Works > Pipeline Construction and Maintenance
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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 relevant to this unit standard includes: Health and Safety at Work Act 2015 and any subsequent amendments.
- 3 Definitions
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, Waka Kotahi New Zealand Transport Agency specifications and guidelines.
Other authority refers to territorial or other authority designated by the territorial authority with powers and responsibilities, in terms of response to underground damage.

Outcomes and performance criteria

Outcome 1

Describe damage avoidance for trenchless installations.

Performance criteria

- 1.1 Damage avoidance relating to adjacent services and structures is described in accordance with service providers' requirements.

Range type and proximity to services and structures, assessment of ground conditions, on-site documentation, service location, on-site instructions and communication, drill path, clearances.

Outcome 2

Describe the consequences of damage from trenchless installations.

Performance criteria

- 2.1 Damages from trenchless installations are described in terms of consequences for adjacent services and structures.

Range services include – gas, power, water supply, sewage pipes, rising sewer mains, stormwater, telecommunications, signal cables; structures include– walls, buildings, driveways, manholes, other; evidence is required of two structures.

Outcome 3

Demonstrate knowledge of damage response for trenchless installations.

Performance criteria

- 3.1 Compliance responsibilities and damage response preparedness are explained in terms of relevant documentation to be held on site.

- 3.2 Damage response is described in accordance with service providers' requirements, and requirements of the road controlling authority and/or other authority.

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	12 December 2008	31 December 2015
Review	2	19 February 2015	31 December 2021
Review	3	29 November 2018	31 December 2023
Review	4	26 August 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.