

Title	Install, commission, and decommission bypasses for pipeline construction or maintenance		
Level	4	Credits	4

Purpose	People credited with this unit standard are able to install, commission, and decommission bypasses for pipeline construction or maintenance.
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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 applicable 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
Contract specifications include plans, diagrams, and special technical conditions. They do not include special administrative conditions.
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.
- 4 For bypasses that require entry to an access chamber or other confined space it is recommended that candidates hold credit for both Unit 17599, *Plan a confined space entry*, and Unit 18426, *Demonstrate knowledge of hazards associated with confined spaces*. Where this entry occurs on reticulated water systems candidates should also have credit for Unit 19207, *Work in a confined space in the infrastructure industry*.
- 5 It is recommended learners achieve Unit 38209, *Demonstrate knowledge of bypasses for pipeline construction and maintenance* or demonstrate equivalent knowledge and skills, before starting this unit standard.

Outcomes and performance criteria

Outcome 1

Install, commission, and decommission bypasses for pipeline construction or maintenance.

Range one of – rerouting, repair, new construction.

Performance criteria

- 1.1 Plan is obtained, and method of bypass is determined and confirmed.
- 1.2 Plant, equipment, fittings, and materials are selected in accordance with method of bypass and company requirements.
- 1.3 Site management and communication requirements are determined and confirmed as in place before commencement of work.
- Range site safety plan, environmental plan, any traffic management plan, notifications.
- 1.4 Hoses and bungs are installed in accordance with contract specifications and company requirements.
- 1.5 The bypass is commissioned, maintained and monitored in accordance with contract specifications and company requirements.
- 1.6 The bypass is decommissioned in accordance with job requirements and the site is restored as required in accordance with contract specifications.

Planned review date	This unit standard and unit standard 32809 replaced unit standard 25445.
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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	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.