

<b>Title</b>	<b>Service or commission, and disinfect, reticulation mains for drinking-water supply networks</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>6</b>

<b>Purpose</b>	People credited with this unit standard are able to: prepare to service or commission reticulation mains; and service or commission, and disinfect, reticulation mains; for drinking-water supply networks.
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<b>Classification</b>	Water Industry > Water Reticulation
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation and references relevant to this unit standard include:  
Health and Safety at Work Act 2015;  
Resource Management Act 1991;  
National Code of Practice for Utilities' Access to the Transport Corridors available from <http://www.nzuag.org.nz/national-code/>;  
*Guide for Safety with Underground Services* and *Excavation Safety – Good practice guidelines*;  
NZS 4404:2010 *Land development and subdivision infrastructure*, available from <http://www.standards.govt.nz>.
- 2 Evidence is required for one reticulation main, and may be from – a newly laid main, a planned repair, or repair following an unplanned main failure. Evidence may be from a simulated scenario.
- 3 Assessment against this unit standard must take place in a workplace environment. Assessment parameters will depend on company requirements and site-specific equipment, procedures, and practices. Practices must reflect industry best practice and comply with legislative requirements.
- 4 Definitions  
*Company requirements* include the policy, procedures, and methodologies of the company. They include legislative and regulatory requirements applicable to the company or 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.  
*Disinfection* means the use of chlorine at higher than normal reticulation supply levels.

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## Outcomes and performance criteria

### Outcome 1

Prepare to service or commission reticulation mains for drinking-water supply networks.

#### Performance criteria

- 1.1 Requirements for the work are obtained, and method of network isolation is determined and confirmed in accordance with contract specifications and company requirements.
- 1.2 Schedule is planned to ensure work can be completed within acceptable timeframes for disruption to public services in accordance with contract specifications and company requirements.
- 1.3 Plant, equipment, fittings, and materials are selected in accordance with servicing requirements and company requirements.
- 1.4 Services are located, and site conditions are checked and confirmed as suitable for work to take place in accordance with contract specifications and company requirements.
- 1.5 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.

### Outcome 2

Service or commission, and disinfect, reticulation mains for drinking-water supply networks.

#### Performance criteria

- 2.1 Site is prepared, equipment is set up, any excavation is carried out, and network is isolated in accordance with contract specifications and company requirements.
- 2.2 The reticulation main is drained in accordance with contract specifications.
- 2.3 Servicing or commissioning work is completed in accordance with contract specifications and company requirements.
- 2.4 Disinfection method and dose levels and times are determined and selected in accordance with contract specifications and company requirements.
- 2.5 Disinfection is applied for the set time, and test measurements are made, in accordance with contract specifications and company requirements.

- 2.6 Any chlorinated water is disposed of in an environmentally acceptable manner in accordance with contract specifications and company requirements.
- 2.7 The reticulation main is filled, the water quality checked, and main is put into service in accordance with contract specifications and company requirements.
- 2.8 Required documentation is completed in accordance with contract specifications and company requirements.

<b>Replacement information</b>	This unit standard replaced unit standard 19210.
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<b>Planned review date</b>	31 December 2023
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	29 November 2018	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	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 ITO [qualifications@connexis.org.nz](mailto:qualifications@connexis.org.nz) if you wish to suggest changes to the content of this unit standard.