

**FIELD                      ENGINEERING AND TECHNOLOGY****Review and Revision of *Gas Network Construction* unit standards**

<b>Subfield</b>	<b>Domain</b>	<b>Id</b>
Gas Industry	Gas Network Construction	10968, <b>10969</b> , 10972, 10974, 10981, 10985, 10986, 10988, 19546, 19547, 23087

The NZ Extractive Industries Training Organisation (EXITO) has completed the review and revision of the unit standards listed above. The revised standard is shown in **bold**.

**Date new versions published**

**May 2010**

**Planned review date**

**December 2015**

**Summary of review and consultation process**

These standards were amended to better align with gas distribution industry requirements to separate service laying and mains laying skills in different qualifications. The National Certificate in Gas Network Construction (Pipelaying) (Level 3) [Ref: 1022] was found to be unachievable in some workplaces, so it was reviewed to remove restrictions. As a result of that review the more advanced skills relating to mains laying will transfer to a proposed new level 4 qualification.

A specialist group of advisors, providers, and assessors met in July 2008 to review the standards and the qualifications, which were then widely distributed to industry whose feedback clarified the content. Consultation also took place in July with the infrastructure pipelaying advisors at InfraTrain New Zealand and some standards required amendment to apply to both industries. The reviewed standards were endorsed by the gas industry sector advisory group in November 2008.

Standard 10969 was revised to remove entry requirements which caused a recursive relationship with a proposed replacement qualification.

**Main changes resulting from the review**

- Titles for standards 10968, 19546 and 19547 were amended to better reflect content.
- Levels for standards 10968, 10972, 10981, 10986, 10988 and 23087 were increased to better reflect the degree of applied knowledge.
- Credits for standard 19547 were increased to better reflect learning and assessment requirements.
- Entry requirements of some standards were updated to meet gas industry requirements and, as all the standards have health and safety embedded in them, to ensure that only prerequisites critical to health and safety are retained.
- Special notes of some standards were updated to include the *Approved Code of Practice for Safety in Excavation and Shafts for Foundations*.
- Performance criteria were added to include key outcomes, and elements amended.
- Range statements were amended to reflect current industry practice.
- Standard 10985 was replaced by standard 25608.

- Three new unit standards were developed for knowledge of specific operations in gas distribution networks.

**The unit standard categorised as category C will expire at the end of December 2012.**

### Impact on existing provider accreditations

None.

### Impact on existing qualifications

Qualifications that contain the reviewed standards or classifications are tabled below.

<b>Affected</b>	The qualification lists a reviewed classification (domain or subfield) in an elective set The qualification lists a standard that has changes to level or credits The qualification lists a C or D category standard
<b>Not materially affected</b>	The qualification lists a standard that has a new title The qualification lists a standard that has a new classification

The following EXITO qualifications are affected by the outcome of this review and will be revised or reviewed in 2009. In the following table qualifications that contain unit standards in both categories are identified, with the standards that generated the *Affected* status in **bold**.

Qualification title	Classification or standard in the qualification
National Certificate in Gas Network Operations (Leakage Control) (Level 3) [Ref: 0400]	<b>10981, 10985, 10986</b> , 19546, <b>19547, 23087</b>
National Certificate in Gas Network Construction (Pipelaying) (Level 3) [Ref: 1022]	<b>10968, 10972, 10985, 10986, 10988</b> , 19546, <b>19547, 23087</b>
National Certificate in Gas Network Operations (Level 3) with optional strands in Operations and Maintenance; and Field Auditing [Ref: 1328]	<b>10968, 10981, 10985</b> , 19546, <b>19547, 23087</b>

### Review Categories and changes to classification, title, level, and credits

All changes are in **bold**.

<b>Key to review category</b>	
<b>A</b>	Dates changed, but no other changes are made - the new version of the standard carries the same Id and a new version number
<b>B</b>	Changes made, but the overall outcome remains the same - the new version of the standard carries the same Id and a new version number
<b>C</b>	Major changes that necessitate the registration of a replacement standard with a new Id
<b>D</b>	Standard will expire and not be replaced
<b>R</b>	Revision

## Engineering and Technology &gt; Gas Industry &gt; Gas Network Construction

<b>Id</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>	<b>Review Category</b>
10968	Decommission and disconnect mains in a gas distribution network <b>Decommission and disconnect a main in a gas distribution network</b>	3 4	8	B
10969	Decommission and disconnect services in a gas distribution network	3	8	R
10972	Perform hydrostatic tests on mains and services in a gas distribution network	3 4	7	B
10974	Use stopple equipment on steel gas pipes	4	10	B
10981	Fit mechanical couplings in a gas distribution network	2 3	3	B
10985	Replace sections of polyethylene pipe and install fittings in a gas distribution network <b>25608 Carry out a flow stopping operation on a live gas main</b>	3 4	8 12	C
10986	Use flow-stopping bags in a gas distribution network	3 4	10	B
10988	Insert a polyethylene pipe into a casing pipe in a gas distribution network	3 4	6	B
19546	Perform a pneumatic pressure test and purge a main in a gas distribution network <b>Test, connect, and purge a main in a gas distribution network</b>	3	8	B
19547	Perform a pneumatic pressure test and purge a service in a gas distribution network <b>Connect, test, and purge a service in a gas distribution network</b>	3	6 8	B
23087	Pig a pipeline in a gas network	3 4	4	B
<b>25607</b>	<b>Demonstrate knowledge of flow stopping equipment and operations in a gas distribution network</b>	<b>3</b>	<b>6</b>	<b>New</b>
<b>25609</b>	<b>Demonstrate knowledge of hydrostatic testing equipment and operations in a gas distribution network</b>	<b>3</b>	<b>3</b>	<b>New</b>
<b>25611</b>	<b>Demonstrate knowledge of stopple equipment and operations in a gas distribution network</b>	<b>3</b>	<b>3</b>	<b>New</b>