

National Certificate in Gas Network Construction (Mains Laying) (Level 4)

Level 4

Credits 75

This qualification has been **reviewed**. The last date to meet the requirements is 31 December 2020.

This qualification has been replaced by the New Zealand Certificate in Reticulated Gas Pipelines (Level 5) with strands in Metering and Pressure Control, Polyethylene Pipelines, and Steel Pipelines [Ref: 3640].

Transition Arrangements

The last date for entry into programmes leading to this qualification is 31 December 2018. The last date for assessment is 31 December 2020, at which time the qualification will be discontinued.

People currently working towards this qualification may complete its requirements by the date specified above or transfer to a programme of study or training leading to the replacement qualification.

It is anticipated that no existing candidates will be disadvantaged by these transition arrangements. However, anyone who feels that they have been disadvantaged may appeal to the Standard Setting body at the address below.

For detailed information see [Review Summaries](#) on the NZQA website.

NZQF National Qualification Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	June 2010	December 2020
Republished	1	January 2014	December 2020
Review	2	April 2017	December 2020

Standard Setting Body

NZ Motor Industry Training Organisation (Incorporated) (MITO)
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National Certificate in Gas Network Construction (Mains Laying) (Level 4)

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Purpose

This National Certificate is designed for people working in the network construction sector of the gas industry and recognises the skills and knowledge required by the New Zealand gas industry for certification as a trade operative in laying gas mains in a gas distribution network.

The compulsory section recognises competence in testing, decommissioning, disconnecting, purging, pigging, repairing, laying, connecting, and commissioning, gas mains and knowledge of related activities such as cathodic protection and confined space.

This qualification contains optional standards that are not required for completion of the certificate. However, these may be considered necessary for some employment contexts within the gas industry.

This qualification builds on the National Certificate in Gas Network Construction (Service Laying) (Level 3) [Ref: 1022], and the replaced National Certificate in Gas Network Construction (Level 3) with stands in Mainlaying Polyethylene, Mainlaying Polyethylene and Cast Iron, Mainlaying Steel, and Servicelaying [Ref: 0398], which are alternative prerequisites for this qualification; and shares some standards in common with the National Certificate in Gas Network Operations (Leakage Control) (Level 3) [Ref: 0400].

Special Note

Prerequisites:

National Certificate in Gas Network Construction (Service Laying) (Level 3) [Ref: 1022], or National Certificate in Gas Network Construction (Level 3) with stands in Mainlaying Polyethylene, Mainlaying Polyethylene and Cast Iron, Mainlaying Steel, and Servicelaying [Ref: 0398], or demonstrate equivalent knowledge and skills.

Credit Range

	Compulsory	Optional
Level 3 credits	26	0-2
Level 4 or above credits	49	0-43
Minimum totals	75	-

Requirements for Award of Qualification

Award of NZQF National Qualifications

Credit gained for a standard may be used only once to meet the requirements of this qualification.

Unit standards and achievement standards that are equivalent in outcome are mutually exclusive for the purpose of award. The table of mutually exclusive standards is provided on the New Zealand Qualifications Authority (NZQA) website: <http://www.nzqa.govt.nz/qualifications-standards/standards/standards-exclusion-list/>.

Reviewed standards that continue to recognise the same overall outcome are registered as new versions and retain their identification number (ID). Any version of a standard with the same ID may be used to meet qualification requirements that list the ID and/or that specify the past or current classification of the standard.

Summary of Requirements

- Compulsory standards

Detailed Requirements

Compulsory

The following standards are required

Engineering and Technology > Gas Industry > Gas Network Construction

ID	Title	Level	Credit
10968	Decommission and disconnect a main in a gas distribution network	4	8
10972	Perform hydrostatic tests on mains and services in a gas distribution network	4	7
10981	Fit mechanical couplings in a gas distribution network	3	3
10986	Use flow-stopping bags in a gas distribution network	4	10
10988	Insert a polyethylene pipe into a casing pipe in a gas distribution network	4	6
19546	Test, connect, and purge a main in a gas distribution network	3	8
23087	Pig a pipeline in a gas network	4	4
25608	Carry out a flow stopping operation on a live gas main	4	12
25609	Demonstrate knowledge of hydrostatic testing equipment and operations in a gas distribution network	3	3
25611	Demonstrate knowledge of stopple equipment and operations in a gas distribution network	3	3

Engineering and Technology > Petrochemical Industry > Petrochemical Cathodic Protection

ID	Title	Level	Credit
9575	Explain the purpose and application of cathodic protection in a petrochemical workplace	4	2

Health > Occupational Health and Safety > Occupational Health and Safety Practice

ID	Title	Level	Credit
18426	Demonstrate knowledge of hazards associated with confined space	3	4

Manufacturing > Plastics Processing Technology > Plastics Fabrication

ID	Title	Level	Credit
25610	Demonstrate knowledge of equipment and operations for jointing polyethylene pipe for a distribution network	3	5

Optional standards

The following standards are optional

Engineering and Technology > Gas Industry > Gas Network Construction

ID	Title	Level	Credit
10974	Use stopple equipment on steel gas pipes	4	10
10983	Hot tap, test, and drill a steel pipe in a gas distribution network	4	12

Engineering and Technology > Gas Industry > Gas Network Operations

ID	Title	Level	Credit
12509	Install and test cathodic protection in a gas distribution network	4	7

Engineering and Technology > Gas Industry > Gas Transmission Operations

ID	Title	Level	Credit
9550	Perform basic pipe wrapping on a steel pipeline	4	3

Engineering and Technology > Highway Construction and Maintenance > Temporary Traffic Management

ID	Title	Level	Credit
5628	Operate as a Site Traffic Management Supervisor (STMS) for low volume and Level 1 roads	5	3

Health > Health Studies > Core Health

ID	Title	Level	Credit
6400	Manage first aid in emergency situations	3	2

Manufacturing > Plastics Processing Technology > Plastics Fabrication

ID	Title	Level	Credit
10987	Perform butt fusion jointing on polyethylene pipe for a distribution network	4	8

Transition Arrangements

Version 1 of this qualification was republished to include reverse transition arrangements for expiring standard 6400.

Version 1 of this qualification contains a standard that will expire in December 2015. For the purposes of this qualification, people who have gained credit for the replacement standard are exempt from the requirement to gain credit for the expiring standard – see table below.

Credit for	Exempt from
26551, 26552	6400

Version 1 of this qualification contains a standard that replaces an earlier standard. For the purposes of this qualification, people who have gained credit for the expired standard are exempt from the requirement to gain credit for the replacement standard – see table below.

Credit for	Exempt from
10971	19546

Other standard setting bodies whose standards are included in the qualification

Infrastructure ITO
New Zealand Industry Training Organisation
NZQA

Certification

This certificate will display the logos of NZQA, the NZ Motor Industry Training Organisation (Incorporated), and the organisation that has been granted consent to assess against standards that meet the requirements of the qualification.

Classification

This qualification is classified according to the classification system listed on the Directory of Assessment Standards (DAS) and the New Zealand Standard Classification of Education (NZSCED) system as specified below.

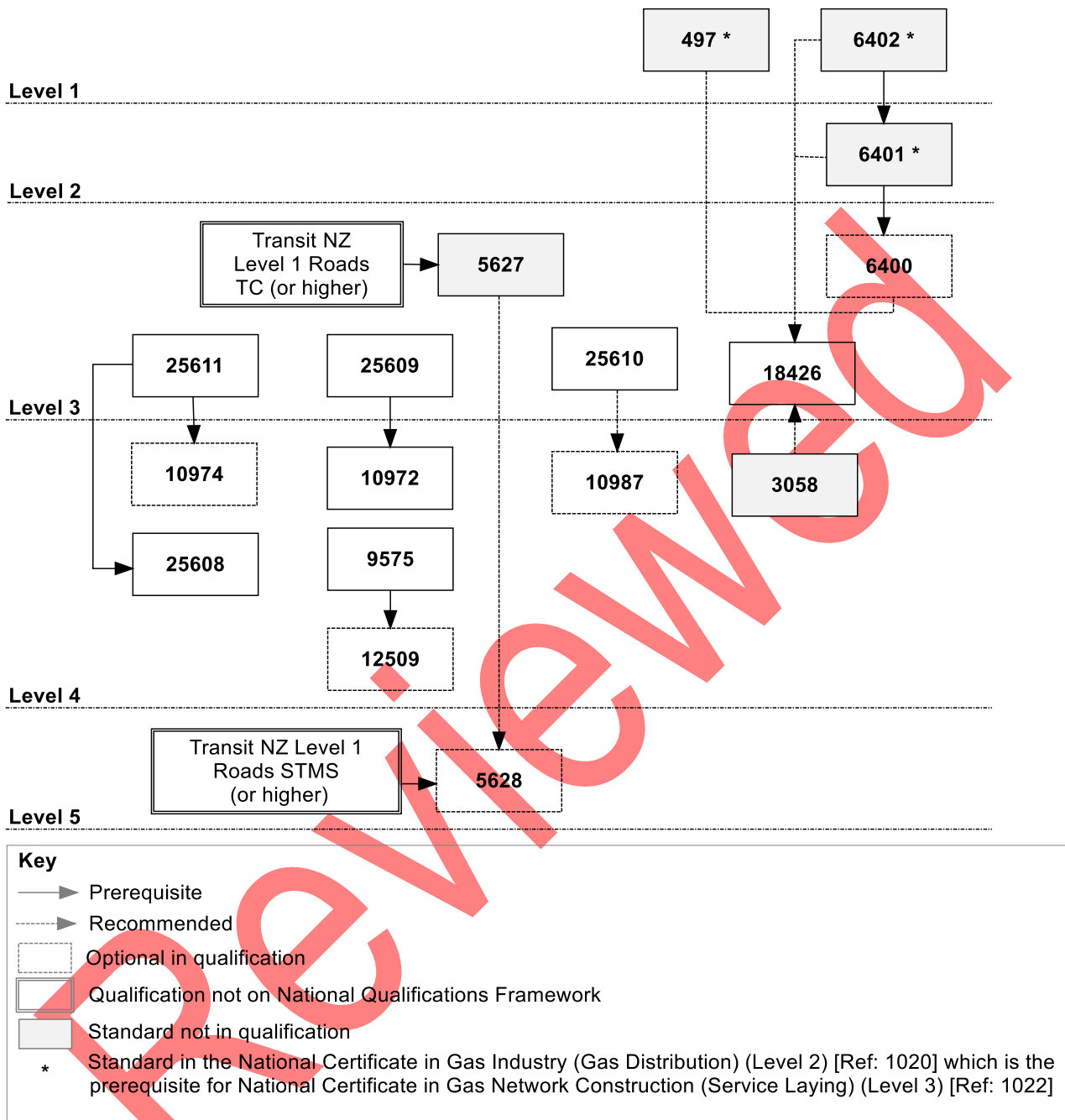
DAS Classification		NZSCED	
Code	Description	Code	Description
1378	Engineering and Technology > Gas Industry > Gas Network Construction	039999	Engineering and Related Technologies > Other Engineering and Related Technologies > Engineering and Related Technologies not elsewhere classified

Quality Management Systems

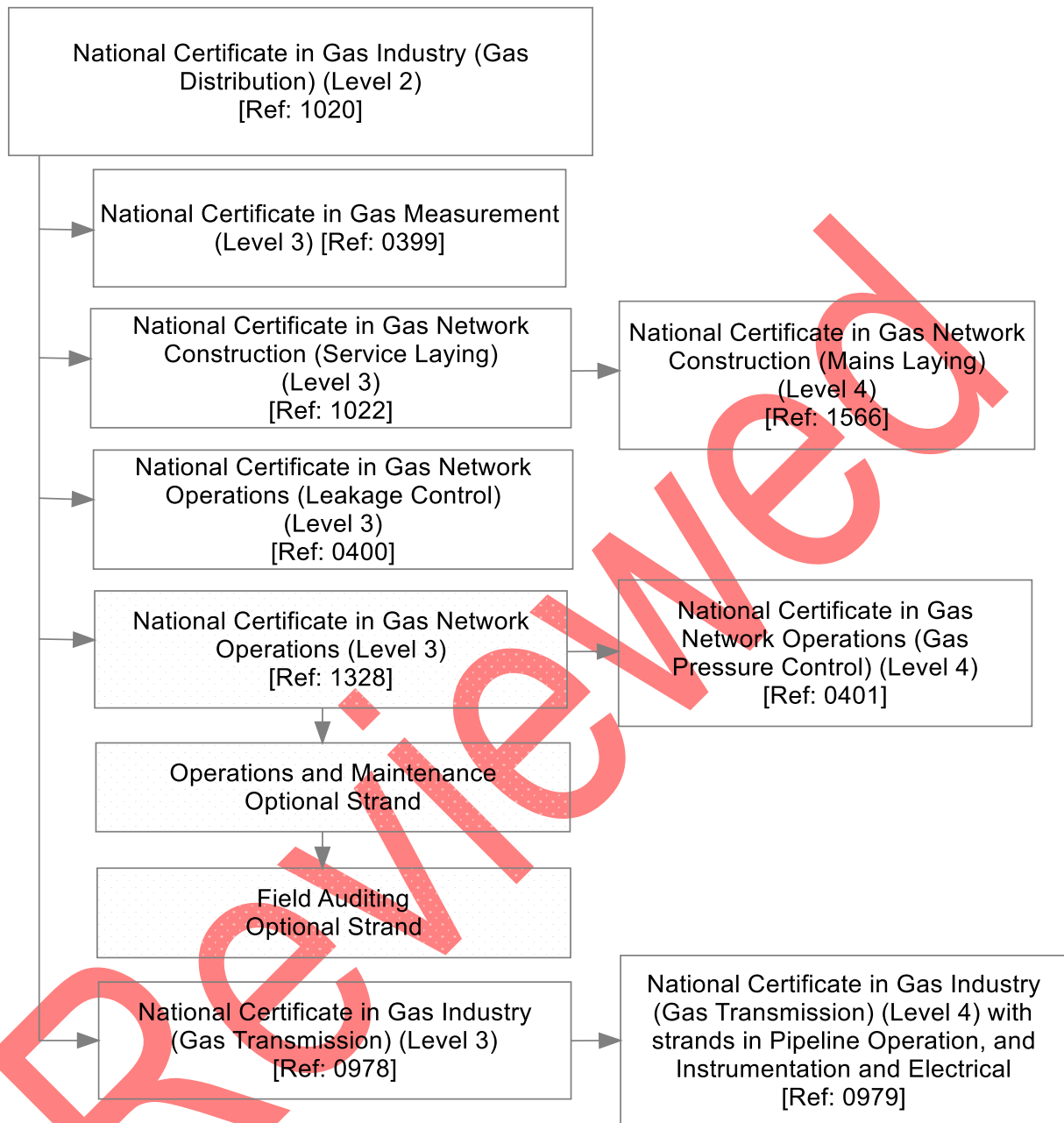
Providers and Industry Training Organisations must be granted consent to assess by a recognised Quality Assurance Body before they can register credits from assessment against standards. Organisation with consent to assess and Industry Training Organisations assessing against standards must engage with the moderation system that applies to those standards. Consent to assess requirements and the moderation system are outlined in the associated Consent and Moderation Requirements (CMR) for each standard.

Review

Prerequisite Diagram



Pathways Diagram - Gas Industry



Key



Qualification and optional strands separated to show sequence for award of qualification with optional strands