

## National Certificate in Gas Industry (Gas Distribution) (Level 2)

**Level** 2

**Credits** 49

### Purpose

This National Certificate is designed for people in the gas distribution, gas pressure control, and gas measurement sectors of the gas industry, and recognises the skills and knowledge required by the New Zealand gas industry for certification as a trades operative assistant. It also provides evidence of competence for people who carry out non-gas-related work within the area of a gas distribution network and who are not employed in the gas distribution industry.

The compulsory section recognises the core skills and knowledge required to work safely under supervision in gas network activities. These include knowledge and skills specific to the gas industry such as interpreting and reporting technical information, and generic knowledge and skills including engineering power tool use, emergency response, and workplace health and safety.

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 leads to the National Certificate in Gas Measurement (Level 3) [Ref: 0399], the National Certificate in Gas Network Operations (Leakage Control) (Level 3) [Ref: 0400], the National Certificate in Gas Industry (Gas Transmission) (Level 3) [Ref: 0978], the National Certificate in Gas Network Construction (Pipelaying) (Level 3) [Ref: 1022], and the National Certificate in Gas Network Operations (Level 3) with optional strands in Operations and Maintenance; and Field Auditing [Ref: 1328].

### Replacement Information

This qualification replaced the National Certificate in Gas Industry (Gas Distribution) (Level 2) with strands in Mainlaying, Servicelaying, and Leakage; Gas Measurement and Gas Pressure Control; and Corrosion Control [Ref: 0397].

### Credit Range

	Compulsory	Optional
Level 1 credits	7	-
Level 2 credits	42	0-2
Level 3 and above credits	-	0-9
Minimum totals	49	0

## Requirements for Award of Qualification

This qualification will be awarded to people who have met the requirements of the compulsory section.

### Award of NQF 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 in section 7 of the New Zealand Qualifications Authority (NZQA) *Rules and Procedures* publications available at <http://www.nzqa.govt.nz/ncea/acrp/index.html>.

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.

## Detailed Requirements

### Compulsory

The following standards are required

Community and Social Services > Community and Workplace Fire and Emergency Management > Workplace Fire and Emergency Response

Id	Title	Level	Credit
3271	Suppress fire with hand extinguishers and fixed hose reels	2	1

Engineering and Technology > Gas Industry > Gas Marketing, Business and Administration

Id	Title	Level	Credit
11327	Identify public relations roles and community liaison responsibilities in the gas industry	2	4
11329	Demonstrate knowledge of the New Zealand gas industry	2	2

Engineering and Technology > Gas Industry > Gas Measurement

Id	Title	Level	Credit
23085	Describe the storage, handling, transporting, and fitting of gas meters up to 25 cubic metres capacity	2	2

Engineering and Technology > Gas Industry > Gas Network Construction

Id	Title	Level	Credit
10994	Read and interpret plans and drawings and complete a mark-out in a gas distribution network	2	4
10995	Draft information for as-built drawing in a gas distribution network	2	3

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

<b>Id</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>
11326	Interpret symbols, signs, and terminology specific to a gas distribution network	2	2
12502	Use pressure gauges and recorders in a gas distribution network	2	3
12520	Demonstrate knowledge of a gas distribution network	2	4
12521	Demonstrate knowledge of pressure in a gas distribution network	2	4
17690	Identify potential hazards of and safety precautions for working with live reticulated gas	2	6

## Engineering and Technology &gt; Mechanical Engineering &gt; Engineering Core Skills

<b>Id</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>
2396	Select, use and maintain portable hand held engineering power tools	2	4

Engineering and Technology > Petrochemical Industry > Petrochemical Operations  
Communication and Responses

<b>Id</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>
9631	Use personal protective equipment in a petrochemical environment	2	2

## Health &gt; Health Studies &gt; Core Health

<b>Id</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>
6401	Provide first aid	2	1
6402	Provide resuscitation level 2	1	1

## Health &gt; Occupational Health and Safety &gt; Occupational Health and Safety Practice

<b>Id</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>
497	Demonstrate knowledge of workplace health and safety requirements	1	3

## Humanities &gt; Communication Skills &gt; Writing

<b>Id</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>
3490	Write an incident report	1	3

## Optional Standards

The following standards are optional

Community and Social Services > Fire and Rescue Services > Fire and Rescue Services - Generic Fire Fighting

Id	Title	Level	Credit
3272	Wear and operate breathing apparatus in general emergencies	3	3

Engineering and Technology > Civil Works and Services > Civil Infrastructure Health, Safety, and Environment

Id	Title	Level	Credit
20877	Demonstrate knowledge of working safely at sites under temporary traffic management	2	1

Engineering and Technology > Gas Industry > Gas Network Construction

Id	Title	Level	Credit
10992	Use pipe and cable locators in a gas distribution network	3	3

Engineering and Technology > Gas Industry > Gas Network Operations

Id	Title	Level	Credit
12526	Use fresh air distance breathing apparatus in a gas distribution network	3	3

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

Id	Title	Level	Credit
20878	Assist with temporary traffic management for low volume and Level 1 roads	2	1

## Transition Arrangements

### Version 4

Version 4 was issued following the planned review of the qualification and taking account of a review of gas industry standards, New Zealand gas industry competency requirements, and feedback from industry, assessors, and providers.

Changes to structure and content

- standards 3490 and 23085 added to compulsory section
- standards 20877 and 20878 moved from compulsory to optional section
- standard 1099 removed from optional section
- standard titles, levels, and credits updated

- total credits increased from 44 to 49
- prerequisite diagram added
- qualification pathway diagram updated.

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

All new trainees will be enrolled in programmes leading to the new version of the qualification.

People currently working towards versions 1, 2, or 3 of this qualification may either complete the requirements for that version or transfer existing credits to version 4.

This qualification contains standards that replace earlier standards. For the purposes of this qualification, people who have gained credit for the expiring standards are exempt from the requirement to gain credit for the replacement standards – see table below.

Credit for	Exempt from
5627	20877, 20878

It is not intended that anyone is disadvantaged by this review, and the above arrangements have been designed for a smooth transition. However, anyone who feels they have been disadvantaged may appeal to NZ Extractive Industries Training Organisation.

### Previous versions of the qualification

Version 3 was issued following the review of the Temporary Traffic Control standards undertaken by InfraTrain New Zealand. Standard 5627 was replaced with 20877 and 20878, total credits decreased from 45 to 44, and the Temporary Traffic Control domain name was updated to Temporary Traffic Management.

Version 2 was issued following the review of the Fire and Rescue Services, and Gas Industry standards. Titles, levels and credits of reviewed standards were updated, the credit total decreased from 47 to 45, and the qualification pathway diagram was updated. The Standard Setting Body information was updated to take account of the amalgamation of the Gas and Petrochemical Industry Training Organisation with the NZ Extractive Industries Training Organisation.

Version 1 replaced the National Certificate in Gas Industry (Gas Distribution) (Level 2) with strands in Mainlaying, Servicelaying, and Leakage; Gas Measurement and Gas Pressure Control; and Corrosion Control [Ref: 0397]. There were significant differences between the two qualifications.

## NQF Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	June 2003	December 2008
Revision	2	June 2004	December 2008
Revision	3	May 2005	December 2008
Review	4	October 2007	N/A

### Standard Setting Body

NZ Extractive Industries Training Organisation  
PO Box 2623  
CHRISTCHURCH

Telephone 03 964 4710  
Facsimile 03 964 4714  
Email [info@exito.org.nz](mailto:info@exito.org.nz)  
Website <http://www.exito.org.nz>

### Planned Review

Any person or organisation may contribute to the review of this qualification by sending feedback to the standard setting body at the above address.

Next Review	2013
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### Other standard setting bodies whose standards are included in the qualification

Competenz  
Fire and Rescue Services Industry Training Organisation  
InfraTrain New Zealand  
New Zealand Industry Training Organisation  
NZQA

### Certification

The certificate will display the logos of NZQA and NZ Extractive Industries Training Organisation

## Classification

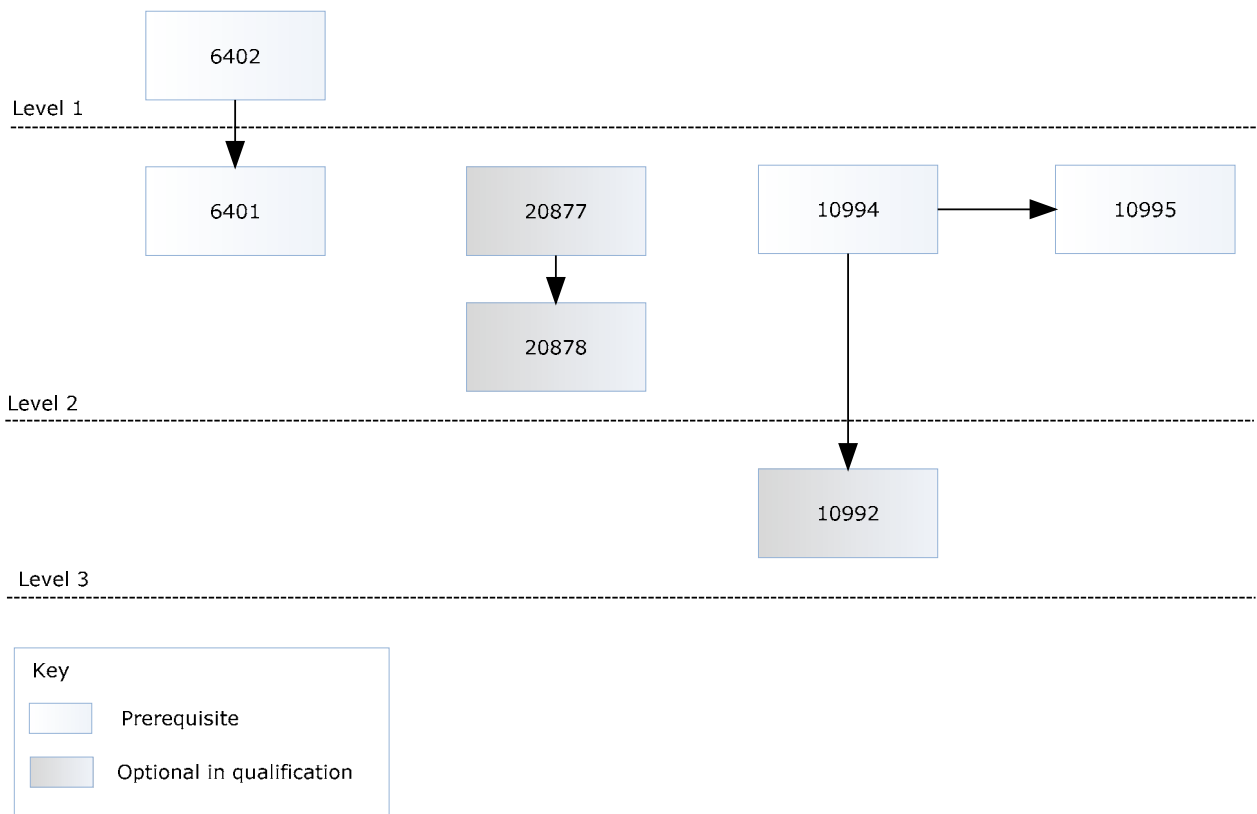
This qualification is classified according to the NQF classification system and the New Zealand Standard Classification of Education (NZSCED) system as specified below.

NQF Classification		NZSCED	
Code	Description	Code	Description
345	Engineering and Technology > Gas Industry	039999	Engineering and Related Technologies > Other Engineering and Related Technologies > Engineering and Related Technologies not elsewhere classified

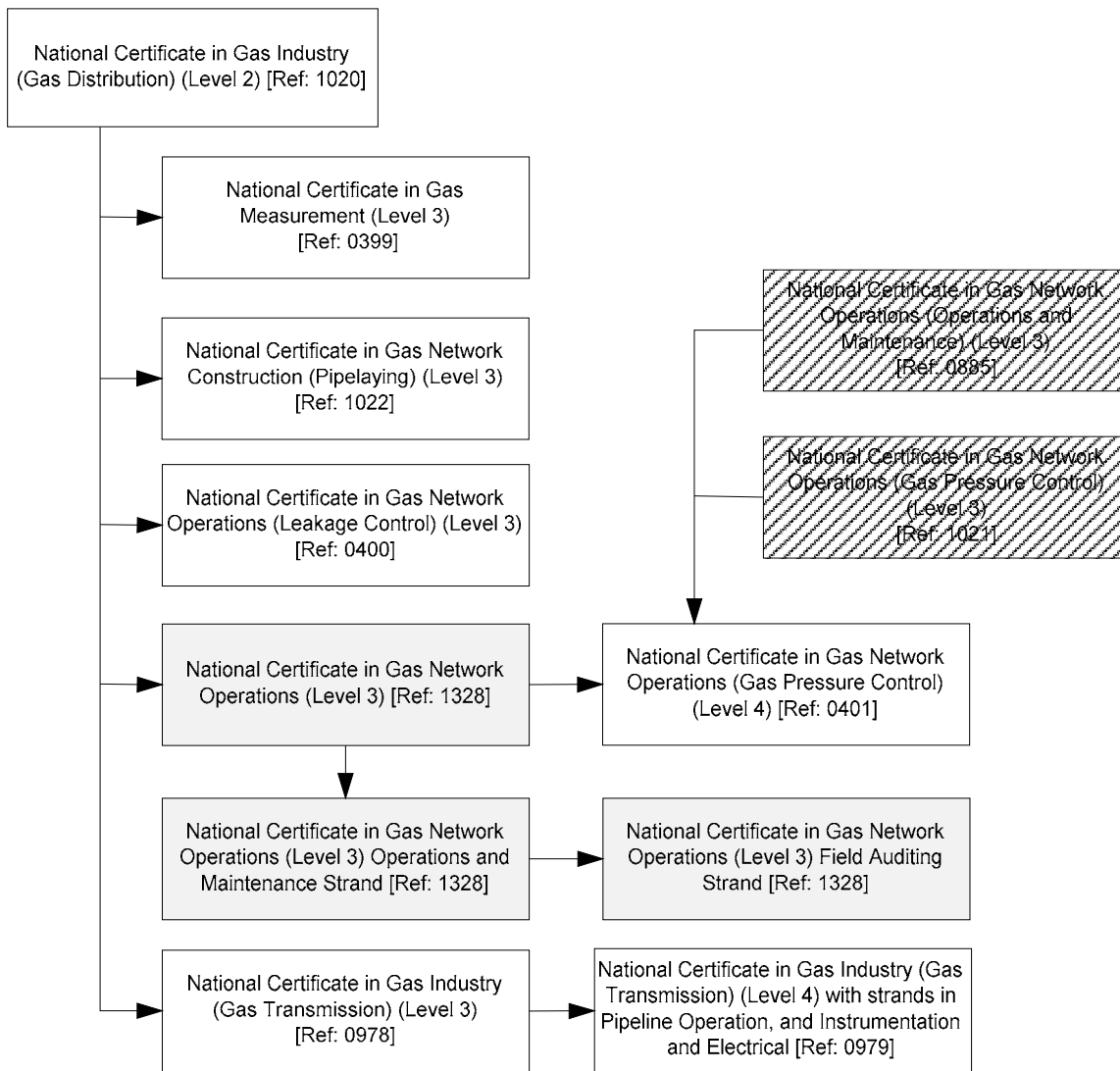
### Quality Management Systems

Providers and Industry Training Organisations must be accredited by a recognised Quality Assurance Body before they can register credits from assessment against standards. Accredited providers and Industry Training Organisations assessing against standards must engage with the moderation system that applies to those standards. Accreditation requirements and the moderation system are outlined in the associated Accreditation and Moderation Action Plan (AMAP) for each standard.

# Prerequisite Diagram



# Gas Industry Qualification Pathway



### Key

