

National Certificate in Gas Network Operations (Gas Pressure Control) (Level 4)

Level	4
Credits	110

Purpose

This National Certificate is designed for people working in the gas distribution network sector of the gas industry, and recognises the experience required to carry out advanced gas pressure control operations. It includes competencies required by the Gas Association of New Zealand for certification as a technician in gas pressure control.

The compulsory section recognises the skills and knowledge required to assemble, install, test, commission, and maintain advanced gas pressure reducing and metering stations. It also acknowledges competencies in installing, commissioning, and maintaining electronic gas flow correctors, and in troubleshooting and rectifying faults on advanced gas pressure control equipment.

This qualification contains optional standards that are not required for completion of the certificate. However, these may be considered necessary for some employment contexts in the gas distribution industry. These activities include system monitoring and survey, cathodic protection monitoring, pipeline construction, locating and repairing gas leakages, and safe driving in off-road locations.

This qualification builds on the National Certificate in Gas Network Operations (Level 3) with optional strands in Operations and Maintenance; and Field Auditing [Ref: 1328].

Credit Range

	Compulsory	Optional
Level 3 credits	10	0-29
Level 4 credits	100	0-27
Minimum totals	110	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

Engineering and Technology > Electrical Engineering > Electrical Equipment in Hazardous Areas

Id	Title	Level	Credit
17054	Report on the integrity of explosion-protected electrical equipment in hazardous areas	3	2

Engineering and Technology > Gas Industry > Gas Measurement

Id	Title	Level	Credit
12456	Install, commission, and maintain electronic gas flow correctors	4	8

Engineering and Technology > Gas Industry > Gas Network Operations

Id	Title	Level	Credit
19554	Demonstrate knowledge of advanced gas pressure control equipment	4	16
19556	Assemble, install, test, and commission an advanced gas pressure reducing and metering station	4	15
19558	Troubleshoot and rectify faults on an advanced gas pressure reducing and metering station	4	30
19559	Perform maintenance on an advanced gas pressure reducing and metering station	4	25
23090	Demonstrate knowledge of designing gas regulator and metering stations in a gas distribution network	4	6

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

Id	Title	Level	Credit
17602	Apply hazard identification and risk assessment procedures in the workplace	3	4
18426	Demonstrate knowledge of hazards associated with confined space	3	4

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
12505	Perform and record vehicle leakage surveys in a gas distribution network	3	7
19543	Audit worksite systems in a gas distribution network	3	4

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

Id	Title	Level	Credit
17590	Issue worksite specific work permits	3	6
17599	Plan a confined space entry	4	5

Service Sector > Driving > Specialist Driving Knowledge and Skills

Id	Title	Level	Credit
17976	Demonstrate knowledge of operating a light four wheel drive (4WD) vehicle in an off-road environment	3	4
17978	Operate a light four wheel drive (4WD) vehicle in an off-road environment	3	4
20848	Demonstrate knowledge of and skills for driving a light four wheel drive (4WD) vehicle on-road	3	4

Transition Arrangements

Version 5

Version 5 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

- standard 12456 moved from optional to compulsory section
- standard 19560 removed from compulsory section
- standards 17602, and 23090 added to compulsory section
- standards 12505, 17599, 17976, 17978, 19543, and 20848 added to optional section
- standards 16801 and 20590 removed from optional section
- the exemption for 17590 was corrected from 9599 to 9598
- credit total decreased from 126 to 110

- prerequisite diagram added
- 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 3 or 4 of this qualification may either complete the requirements for that version or transfer existing credits to version 5.

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
9598	17590
11325	19543

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.

Previous versions of the qualification

Version 4 of this qualification was issued following the review and reclassification of Petrochemical Industry standard 9573. Changes to content included: standards 9573 and 9574 replaced with standard 20590 in the optional list; prior award of the National Certificate in Gas Network Operations (Gas Pressure Control) (Level 3) [Ref: 1021] changed from a requirement for award to recommended; 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 3 of this qualification was registered in June 2003 following a review of gas industry standards.

Version 2 of this qualification was issued in July 1998 following an editorial amendment.

NQF Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	November 1997	December 2004
Revision	2	July 1998	December 2004
Revision	3	June 2003	December 2010
Revision	4	June 2004	December 2010
Review	5	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
 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

ElectroTechnology Industry Training Organisation
 New Zealand Industry Training Organisation
 Tranzqual ITO

Certification

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

Classification

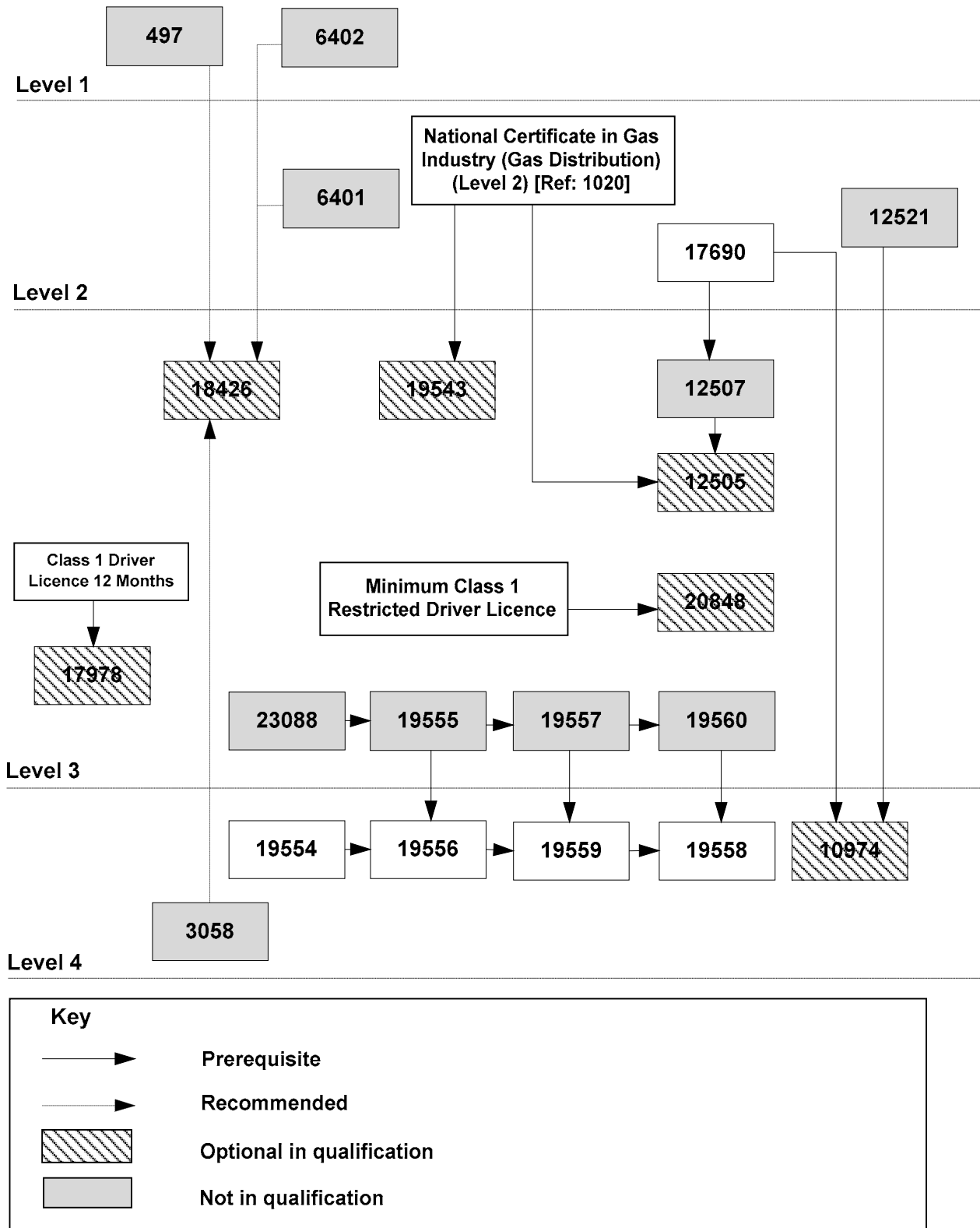
This qualification is classified according to the NQF classification system and the New Zealand Standard Classification of Education (NZSCED) system as specified below.

NQF Classification		NZSCED	
Code	Description	Code	Description
1379	Engineering and Technology > Gas Industry > Gas Network Operations	039999	Engineering and Related Technologies > Other Engineering and Related Technologies > Engineering and Related Technologies not elsewhere classified

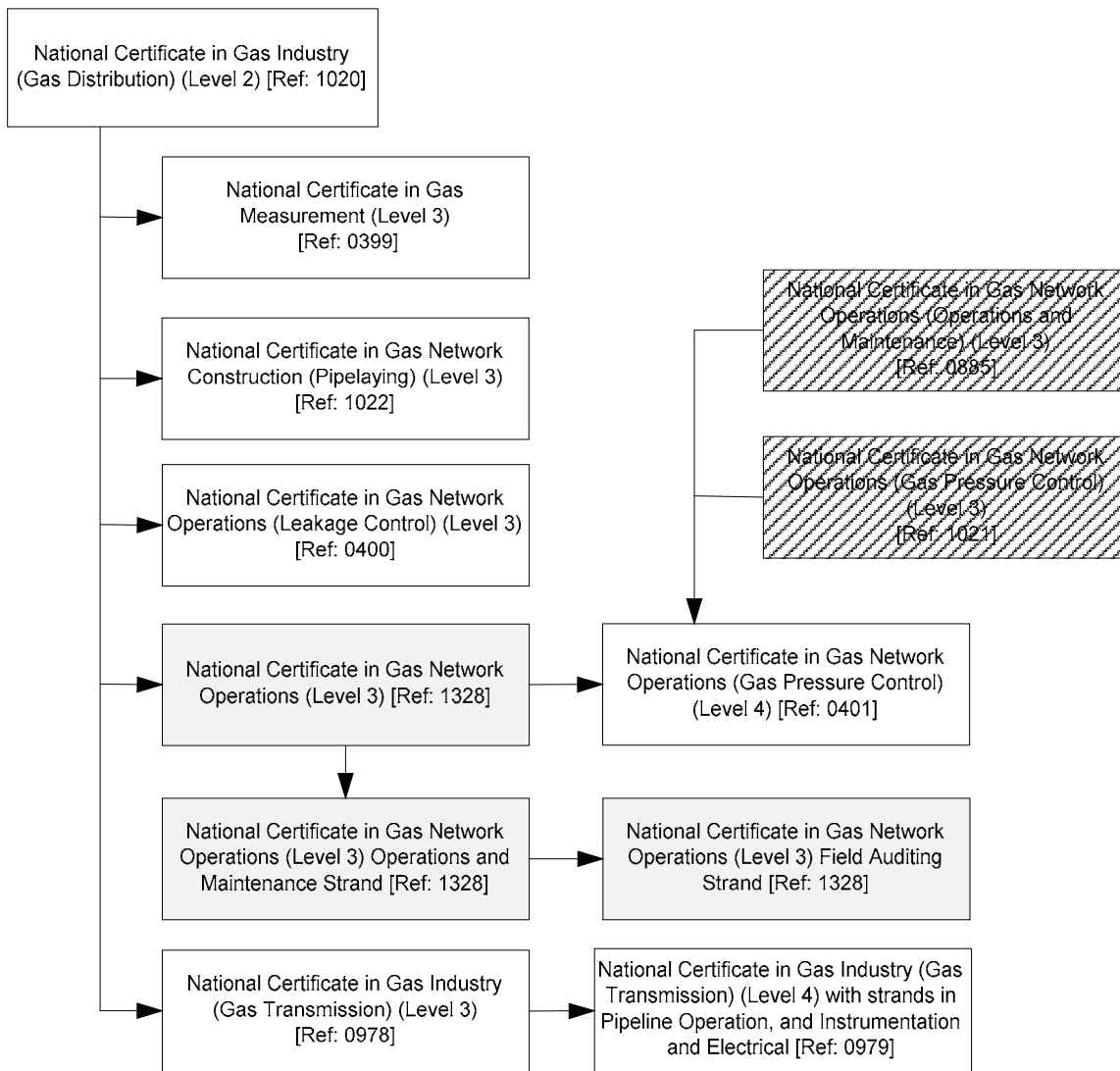
Quality Management Systems

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

