



**New Zealand Gas Industry
Certificate of Competency Criteria and Framework
for Reticulated Gas (Natural Gas and/or LPG)
Distribution & Gas Measurement System (GMS)**

This document includes exemption criteria for CoC's as prepared December 2008



CoC N°	Work Type	Description	Exempt From	Qualifications & Network Specific Requirements	Supervision Requirements
1	Restricted Area Entry	<p>Entry to Specialist Areas: Gate Stations, Metering Sites, Pressure Reducing Sties (PRS), Telemetry sites, CNG Trailer sites for specified works.</p> <p>Specified works include: meter reading, civil works, painting, vegetation control</p> <p><u>This category does not allow a person to work on gas related equipment.</u></p> <p><u>Persons on Training Agreements who intend working on the Networks can only hold this level for 4 months.</u></p>	Nil	<p>Unit standards</p> <ul style="list-style-type: none"> ▪ 497 ▪ 11326 ▪ 9631 ▪ 17690 <p>AND</p> <ul style="list-style-type: none"> ▪ Holds qualification relevant to the work type being carried out <p>AND</p> <ul style="list-style-type: none"> ▪ Has been trained in the work type to be carried out <ul style="list-style-type: none"> ▪ Industry Compliance requirements: Regulations, CoP's ▪ Network owner/operator Safe Work Practices ▪ Contractor requirements 	Unsupervised
2a	Disconnect and re-connect Gas Measurement Systems ≤ 25m3/hr	Disconnect and reconnect domestic and small commercial meters. Includes restoring supply after a network outage.	Nil	<p>National Certificate in Gas Industry Level 2</p> <p>OR</p> <p>Licensed Gas Fitter</p> <p>AND</p> <p>holds the unit standards relating to that work</p> <ul style="list-style-type: none"> ▪ 23088 DKO std pressure control ▪ 23085 DKO handing and fitting meter kits ▪ 12510 Install and change meters ≤ 25m3/hr ▪ 19550 Restore supply after interruption 	Unsupervised
2b	Disconnect and re-connect Gas Measurement Systems > 25m3/hr	Disconnect and reconnect domestic and small commercial meters. Includes restoring supply after a network outage	2a	<p>National Certificate in Gas Industry Level 2</p> <p>or Licensed Gas Fitter</p> <p>AND</p> <p>holds the unit standards relating to that work</p> <ul style="list-style-type: none"> ▪ 23088 DKO std pressure control ▪ 12510 Install and change meters ≤ 25m3/hr ▪ 19550 Restore supply after interruption ▪ 19555 Assemble, install, commission std GMS 	Unsupervised

CoC N°	Work Type	Description	Exempt From	Qualifications & Network Specific Requirements	Supervision Requirements
3a	Construction of Mains and Services	Construction of Mains and Services Distribution Network	5a, 6a, 8a	<p>National Certificate in Gas Industry Level 2</p> <p>AND unit standards</p> <ul style="list-style-type: none"> • 20877 TC 1 • 20878 TC 1 <p>OR</p> <ul style="list-style-type: none"> • 5627 	Under Direct Supervision
3b1	Install pipe (Polyethylene) (Non Live Gas Works)	<p>Installing PE pipe, tracer wire and warning tape using Pipe in open trench, open cut, thrust or drill methods</p> <p><u><i>This does not include connecting, joining, testing or purging of any pipes or fittings.</i></u></p>	3a	<p>CoC 3a</p> <p>OR</p> <p>National Certificate in Infrastructure Pipelaying Level 3 and CoC 1</p> <p>OR</p> <p>National Certificate in Civil Works and Services (Road Opening - Trenching) and CoC 1</p> <p>AND unit standards</p> <ul style="list-style-type: none"> ▪ 23086 Lay a gas pipe ▪ 10992 Locate pipes 	Unsupervised
3b2	Install and join pipe (Polyethylene) (Non Live Gas Works)	<p>Installing PE pipe, tracer wire and warning tape using Pipe in open trench, open cut, thrust or drill methods. Joining pipe by either EF jointing or butt welding and pneumatic pressure testing of the pipe</p> <p><u><i>This does not include livening or purging of any pipes or fittings.</i></u></p>	3a, 3b1	<p>CoC 3b1</p> <p>AND</p> <p>holds the unit standards relating to that work</p> <ul style="list-style-type: none"> ▪ 10980 EF jointing OR ▪ 10987 Butt Welding 	Unsupervised
3c	Construction of Mains and Services	Construction of Mains and Services Distribution Networks	3a, 3b1 and 3b2	National Certificate in Gas Network Construction Level 3	Unsupervised

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4	Gas Measurement	Testing, calibration and maintenance of gas measurement equipment. (metering, electronics and detection)	Nil	National Certificate in Gas Measurement Level 3	Unsupervised
5a	Operation & Maintenance	Work includes first line emergency work, location and repair of gas leakage, odorant level monitoring and maintaining metering and pressure control equipment of distribution networks and services	Nil	National Certificate in Gas Industry Level 2	Under Direct Supervision
5b	Distribution – Operation & Maintenance	Work includes first line emergency work, location and repair of gas leakage, odorant level monitoring and maintaining standard metering and pressure control equipment of distribution networks and services	5a, 6a, 6b, 2b, 11	National Certificate in Gas Network Operations Level 3 (Operations & Maintenance)	Unsupervised
5C and 6c	Distribution – Operation & Maintenance	Work includes advanced works activities associated with: <ul style="list-style-type: none"> ▪ Construction ▪ Fault restoration ▪ Maintaining advanced metering and pressure control equipment ▪ Leakage control 	5b, 6b, 2b, 11	National Certificate in Gas Network Operations (Gas Pressure Control) Level 4	Unsupervised
6a	Pressure Control	Installation, maintenance, fault finding, commission and de-commission standard gas pressure control equipment and systems	Nil	National Certificate in Gas Industry Level 2	Under Direct Supervision
6b	Pressure Control	Installation, maintenance, fault finding, commission and de-commission standard gas pressure control equipment and systems	6a	National Certificate in Gas Industry Level 2 OR Licensed Gas Fitter with CoC 1 AND National Certificate in Gas Network Operations Level 3 or National Certificate in Gas Network Operations Level 3 (Operations & Maintenance)	Unsupervised
7	Field Auditing	Carry out field audits.	5a, 6a, 6b, 2b, 11	National Certificate in Gas Network Operations Level 3, (Operations & Maintenance) (Field Auditing)	Unsupervised

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8a	Leakage Control	Work includes first line emergency work, the location and repair of gas leakage and the survey of gas networks for leakage.	3a, 5a, 6a	National Certificate in Gas industry Level 2 AND Unit Standards: <ul style="list-style-type: none"> • 20877 TC 1 • 20878 TC 1 OR <ul style="list-style-type: none"> • 5627 	Under Direct Supervision
8b	Leakage Control	Carry out a leak survey on a gas distribution network	8a	AND Unit Standards: <ul style="list-style-type: none"> • 12507 Use leak detector • 12504 Perform walking leakage survey and/or where applicable • 12505 Perform vehicle leakage survey 	Unsupervised
8c	Leakage Control	Work includes first line emergency work, the location and repair of gas leakage and the survey of gas networks for leakage.	8a, 8b	National Certificate in Gas Network Operations (Leakage Control) Level 3	Unsupervised
9a	Field Supervisor (Construction)	For persons with a Supervisory Role that requires them to be on-site directing PE Construction operations	Nil	National Certificate in Gas Industry Level 2 AND <ul style="list-style-type: none"> • Module One Knowledge of PE Construction 	Unsupervised
9b	Field Supervisor (Pressure Control)	For persons with a Supervisory Role that requires them to be on-site directing Pressure Control operations	Nil	National Certificate in Gas Industry Level 2 AND <ul style="list-style-type: none"> • Module One Knowledge of Pressure Control 	Unsupervised
10a	Field Assessing (Construction)	Carry out field assessments for Health and Safety, Processes and Procedures for PE Construction	Nil	National Certificate in Gas Industry Level 2 AND <ul style="list-style-type: none"> • Module One Knowledge of PE Construction AND Unit Standard <ul style="list-style-type: none"> • 19543 Audit worksite systems in a gas distribution network 	Unsupervised
10b	Field Assessing (Pressure Control)	Carry out field assessments for Health and Safety, Processes and Procedures for Pressure Control	Nil	National Certificate in Gas Industry Level 2 AND <ul style="list-style-type: none"> • Module One Knowledge of Pressure Control AND Unit Standard <ul style="list-style-type: none"> • 19543 Audit worksite systems in a gas distribution network 	Unsupervised

CoC N°	Work Type	Description	Exempt From	Qualifications & Network Specific Requirements	Supervision Requirements
11	Odour Testing	Carry out tests for Odour Level and Odorant Concentration	1	<p style="text-align: center;">CoC One</p> <p>AND</p> <p>holds the unit standards relating to that work</p> <ul style="list-style-type: none"> ▪ 23088 DKO std pressure control ▪ 12507 Use a leak detector ▪ 20590 Test for odour level and concentration 	Unsupervised
12	Cathodic Protection	Carry out CP readings	1	<p style="text-align: center;">CoC One</p> <p>AND</p> <p>holds the unit standards relating to that work</p> <ul style="list-style-type: none"> ▪ 9575 DKO cathodic protection ▪ 9576 Carry out CP system monitoring <p>AND</p> <p>unit standards</p> <ul style="list-style-type: none"> • 20877 TC 1 • 20878 TC 1 <p>OR</p> <ul style="list-style-type: none"> • 5627 	Unsupervised