

July 2008 - V19



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

**Including**

**Refresher and Technical Updating Requirements to Maintain Competency**



**Version Statement:** This framework is the product of a New Zealand Gas Industry Advisory Panel, and subject to a continuing improvement commitment. To align with current industry needs, it is intended that this framework will be reviewed bi-annually and on this basis may be subject to changes in content and structure without prior notification. To ensure you are accessing the most current framework document, please use the following link to view it from the EXITO Industry Training Website. ([Reticulated Gas Distribution & GMS CoC Framework](#))

## Certificate of Competency Categories

### Notes:

1. Each Certificate of Competency Category has either National Certificates or Unit Standards identified as the qualifications to be held in order to meet the criteria necessary to hold the Certificate of Competency.
2. To access information regarding these National Certificates or Unit Standards it is necessary to access the NZQA website. To achieve this the following steps should be observed:
  - Access NZQA website at: [www.nzqa.govt.nz/framework/index](http://www.nzqa.govt.nz/framework/index)
  - Click "NQF" Tab
  - Type "Gas Industry" in search box **or** the unit standard number required.
  - The information will appear and can be accessed or downloaded either as a Word file or .pdf file
3. Qualifications and Unit Standards can be reviewed at any time therefore the NZQA framework should always be accessed for the most up to date information.

## Preamble

The members of the Gas Association of New Zealand, have created a minimum set of competency requirements for the reticulated gas industry be that for natural or LPG.

This document covers the framework for the certificate of competence criteria for the reticulated gas industry distribution and GMS sectors.

This framework was implemented on 1 October 2005, with a transition period such that the members were able to attain minimum competency levels by 1 December 2006.

Under the auspices of the Extractives Industry Training Organisation (EXITO), the Gas Sector Advisory Group (Gas SAG), has adopted this framework and will continue to deliver and/or manage it accordingly. The Gas SAG will be the Industry Group accountable for defining the scope of competency needs for this sector.

This framework was reviewed by the Gas SAG and a revised framework implemented in July 2008. Inline with the industry commitment for this framework to be reviewed bi-annually, it will be subject again to review by July 2010.

## Definitions & Intent

For clarity it is appropriate to note that:

**Level 1** - Competence requirements are expressed as the minimum that all employees within a company and/or contractors and/or their sub contractors would be required to attain. This is therefore seen as the induction phase – course for the gas industry. Also, level 1 is a prerequisite to undertaking any higher level of national certificate. For persons who have a Gas Training Agreement with EXITO then their Level One CoC is only valid for **4 months**.

**Level 2, 3 & 4** - prior to being able to complete a higher level of National Certificate, the previous lower level are a prerequisite.

**Specialist – infrequent activities** – The industry acknowledge that there are occasions that where, due to the specialist nature and thus frequency of some activities – work, that it may not be a requirement to attain the entirety of a particular level of national certificate in which that activity may be being undertaken. An example of this could be: field auditing, non destructive testing, odour testing, cathodic protection, specialist welding and such like. On these occasions, level 1 will always be a prerequisite, however the specialist would be expected to have a specific qualification for, and at no less a level to that which it is being applied.

**Reporting** - The industry has committed to ensure that their respective staff to which these levels of competence pertain will either have the required levels as identified or be able to report formally that they are in the process of attaining them, as they apply from Level 2 to Level 4 inclusive. A routine report, collected by company and provided in aggregated form, will be shared with the industry at its Gas SAG meetings.

CoC N°	Work Type	Description	Job Title	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><b><u>This category does not allow a person to work on gas related equipment.</u></b></p> <p><b><u>Persons on Training Agreements who intend working on the Networks can only hold this level for 4 months.</u></b></p>	All	<p><b>Unit standards</b></p> <ul style="list-style-type: none"> <li>▪ 497</li> <li>▪ 11326</li> <li>▪ 9631</li> <li>▪ 17690</li> </ul> <p><b>AND</b></p> <ul style="list-style-type: none"> <li>▪ Holds qualification relevant to the work type being carried out</li> </ul> <p><b>AND</b></p> <ul style="list-style-type: none"> <li>▪ Has been trained in the work type to be carried out</li> <li>▪ Industry Compliance requirements: Regulations, CoP's</li> <li>▪ Network owner/operator Safe Work Practices</li> <li>▪ Contractor requirements</li> </ul>	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.	Trades Operative Assistant	<p><b>National Certificate in Gas Industry Level 2</b></p> <p><b>OR</b></p> <p><b>Licensed Gas Fitter</b></p> <p><b>AND</b></p> <p>holds the unit standards relating to that work</p> <ul style="list-style-type: none"> <li>▪ 23088 DKO std pressure control</li> <li>▪ 23085 DKO handing and fitting meter kits</li> <li>▪ 12510 Install and change meters ≤25m3/hr</li> <li>▪ 19550 Restore supply after interruption</li> </ul>	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	Trades Operative Assistant	<p><b>National Certificate in Gas Industry Level 2</b></p> <p><b>or Licensed Gas Fitter</b></p> <p><b>AND</b></p> <p>holds the unit standards relating to that work</p> <ul style="list-style-type: none"> <li>▪ 23088 DKO std pressure control</li> <li>▪ 12510 Install and change meters ≤25m3/hr</li> <li>▪ 19550 Restore supply after interruption</li> <li>▪ 19555 Assemble, install, commission std GMS</li> </ul>	Unsupervised

CoC N°	Work Type	Description	Job Title	Qualifications & Network Specific Requirements	Supervision Requirements
3a	Construction of Mains and Services	Construction of Mains and Services Distribution Network	Trades Operative Assistant Construction	<p><b>National Certificate in Gas Industry Level 2</b></p> <p>AND</p> <p>unit standards</p> <ul style="list-style-type: none"> <li>• 20877 TC 1</li> <li>• 20878 TC 1</li> </ul> <p>OR</p> <ul style="list-style-type: none"> <li>• 5627</li> </ul>	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>	Trades Operative Assistant Construction	<p><b>CoC 3a</b></p> <p>OR</p> <p><b>National Certificate in Infrastructure Pipelaying Level 3 and CoC 1</b></p> <p>OR</p> <p><b>National Certificate in Civil Works and Services (Road Opening - Trenching) and CoC 1</b></p> <p>AND</p> <p>unit standards</p> <ul style="list-style-type: none"> <li>▪ 23086 Lay a gas pipe</li> <li>▪ 10992 Locate pipes</li> </ul>	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>	Trades Operative Assistant Construction	<p><b>CoC 3b1</b></p> <p>AND</p> <p>holds the unit standards relating to that work</p> <ul style="list-style-type: none"> <li>▪ 10980 EF jointing OR</li> <li>▪ 10987 Butt Welding</li> </ul>	Unsupervised
3c	Construction of Mains and Services	Construction of Mains and Services Distribution Networks	Trades Operative Construction	<b>National Certificate in Gas Network Construction Level 3</b>	Unsupervised

CoC N°	Work Type	Description	Job Title	Qualifications & Network Specific Requirements	Supervision Requirements
4	Gas Measurement	Testing, calibration and maintenance of gas measurement equipment. (metering, electronics and detection)	Technician Gas Measurement	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	Trades Operative Assistant	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	Trades Operative	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"> <li>▪ Construction</li> <li>▪ Fault restoration</li> <li>▪ Maintaining advanced metering and pressure control equipment</li> <li>▪ Leakage control</li> </ul>	Technician Distribution	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	Trades Operative Assistant	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	Trades Operative	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.	Field Auditor	National Certificate in Gas Network Operations Level 3, (Operations & Maintenance) (Field Auditing)	Unsupervised

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

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

## Refresher training schedule

### Gas Industry CoC 1

#### Classification Key

**1** = These are unit standards that are considered to have a high level of risk in terms of potential to cause injury or harm to self, the public or property and will be refreshed on a 2 year basis

**2** = Classification 2 unit standards cover the bulk of the industry specific standards that have a medium degree of risk in terms of potential to cause harm etc, and will generally be refreshed on a 4 year basis.

**3** = Classification three unit standards are the remainder of the industry specific standards that have a low risk in terms of potential to cause harm etc. and will only be refreshed on a "need-to" basis.

Unit No.	Unit Standard Title	On-job /Class	Internal / External	Hours	Classification
17690	Identify potential hazards of and safety precautions for working with live natural gas and LPG	C	I	2	1
9631	Use personal protective equipment in a petrochemical environment	C	I		1
11326	Interpret symbols, signs, and terminology specific to a gas distribution network				3
497	Protect health and safety in the workplace				3

## Gas Industry CoC 3a, 5a, 6a and 8a

### Classification Key

**1** = These are unit standards that are considered to have a high level of risk in terms of potential to cause injury or harm to self, the public or property and will be refreshed on a 2 year basis

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Unit No.	Unit Standard Title	Qual Level	On-job /Class	Internal / External	Hours	Classification
6401	Provide first aid	2	C	E	8	1
6402	Provide resuscitation level 2	2				
20877/ 20878	Demonstrate knowledge and skills for setting up and working safely at roadworks sites	2	C	E	4	2 NB 3yr.
3271	Suppress fire with hand extinguishers and fixed hose reels	2	C	E	4	2
17690	Identify potential hazards of and safety precautions for working with live natural gas	2	C	I	2	1
9631	Use personal protective equipment in a petrochemical environment	2	C	I		1
3490	Write an incident report	2	C	I	2	1*
23085	Describe the storage, handling, transporting, and fitting of gas meters up to 25 cubic metres capacity	2	C	I	2	1*
10994	Read and interpret plans and drawings and complete mark-out in a gas distribution network	2	O	I	2	2
10995	Draft information for as-built drawing in a gas distribution network	2	O	I		2
12502	Use pressure gauges and recorders	2	O	I	1	2
11326	Interpret symbols, signs, and terminology specific to a gas distribution network	2				3
11327	Identify public relations roles and community liaison responsibilities in a gas environment	2				3
11329	Demonstrate knowledge of the New Zealand gas industry	2				3
12520	Demonstrate knowledge of gas distribution networks	2				3
12521	Demonstrate knowledge of pressure in a gas distribution network	2				3
2396	Select, use, and maintain portable hand held engineering power tools	2				3
497	Protect health and safety in the workplace	2				3

\* New to Qualification, would normally be a “2”

## Gas Industry CoC 3b

### Classification Key

**1** = These are unit standards that are considered to have a high level of risk in terms of potential to cause injury or harm to self, the public or property and will be refreshed on a 2 year basis

**2** = Classification 2 unit standards cover the bulk of the industry specific standards that have a medium degree of risk in terms of potential to cause harm etc, and will generally be refreshed on a 4 year basis.

**3** = Classification three unit standards are the remainder of the industry specific standards that have a low risk in terms of potential to cause harm etc. and will only be refreshed on a "need-to" basis.

### Require CoC 3a Plus

Unit No.	Unit Standard Title	Qual Level	On-job /Class	Internal / External	Hours	Classification
10992	Use pipe and cable locators in a gas distribution network	3	O	I	4	1
23086	Lay a Gas Pipe (New) incl Excavate and Trench)	3	O	I		1

## Gas Industry CoC 3b1

### Classification Key

**1** = These are unit standards that are considered to have a high level of risk in terms of potential to cause injury or harm to self, the public or property and will be refreshed on a 2 year basis

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**3** = Classification three unit standards are the remainder of the industry specific standards that have a low risk in terms of potential to cause harm etc. and will only be refreshed on a "need-to" basis.

### Require CoC 3b Plus

Unit No.	Unit Standard Title	Qual Level	On-job /Class	Internal / External	Hours	Classification
10992	Use pipe and cable locators in a gas distribution network	3	O	I	4	1
23086	Lay a Gas Pipe (New) incl Excavate and Trench)	3	O	I		1
10980	Perform electrofusion jointing	3	O	I	2	1
10987	Perform Butt Welding	3	O	I	2	1

## Gas Industry CoC 3c

### Classification Key

**1** = These are unit standards that are considered to have a high level of risk in terms of potential to cause injury or harm to self, the public or property and will be refreshed on a 2 year basis

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### CoC 3a Plus

Unit No.	Unit Standard Title	Qual Level	On-job /Class	Internal / External	Hours	Classification
6400	Manage first aid in emergency situations	3	C	E	8	<b>1 NB done with 6401/6402</b>
3272	Wear and operate compressed air breathing apparatus	3	C	E		1
12526	Use fresh air distance breathing apparatus	3	C	I	2	1
10987	Perform butt fusion jointing in a gas distribution network	3	C	I	2	1
10975	Squeeze off a polyethylene pipe in a gas distribution network	3	O	I	8	1
10980	Perform electrofusion jointing in a gas distribution network	3	O/C	I		1
19546 19547	Perform a pneumatic pressure test and purge a service/main in a gas distribution network	3	O	I		1
10968 10969	Decommission and disconnect service/main in a gas distribution network	3	O	I		1
10968	Decommission and disconnect mains	4	O	I		1
10985	Replace sections of polyethylene pipe and install fittings in a gas distribution network	4	O	I		1
10988	Insert a polyethylene pipe into a casing pipe in a gas distribution network	3	O	I		4
9575	DKO Cathodic Protection	4	C	I	4	1*
10972	Perform hydrostatic tests on mains and services in a gas distribution network	4	O	I	2	2
23087	Pig a pipeline	3	O	I	2	2
5628	Plan and implement safe temporary traffic control at roadworks sites	3	C	E	8	2
6467	Operate a plate compactor on civil construction materials	3	C	E	4	2
6470	Operate a handheld pavement breaker	3	C	E		2

<b>Unit No.</b>	<b>Unit Standard Title</b>	<b>Qual Level</b>	<b>On-job /Class</b>	<b>Internal / External</b>	<b>Hours</b>	<b>Classification</b>
11328	Gain approvals and implement notification procedures for works in a gas distribution network	3	C	I	1	2
3490	Write an incident report	3				3
10981	Fit mechanical couplings in a gas distribution network	3				3
10984	Cut, thread, and join steel pipes in a gas distribution network	3				3

## Gas Industry CoC 5b Ops and Main L3

### Classification Key

- 1** = These are unit standards that are considered to have a high level of risk in terms of potential to cause injury or harm to self, the public or property and will generally be refreshed on a 2 year basis
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### CoC 5a Plus

Unit No.	Unit Standard Title	Core or Strand	Comp or Elective	On-job /Class	Internal / External	Hours	Classification
3272	Wear and operate compressed air breathing apparatus	C	E				<b>1</b>
12507	Use gas leakage detection equipment on natural gas	C	C	O	I	4	<b>1</b>
12504	Perform and record walking leakage surveys	S	C	O	I		
19552	Stabilise a gas emergency site and deal with a gas-filled building	C	C		I	8	<b>1</b>
12503	Respond to and locate gas escapes	S	C		I		
12526	Use fresh air distance breathing apparatus	C	E		I	12	<b>1</b>
10992	Use pipe and cable locators	S	C		I		<b>1</b>
19546/19547	Perform a pneumatic pressure test and purge a main/service	S	C		I		<b>1</b>
10975	Squeeze off a polyethylene pipe	S	C		I		<b>1</b>
10985	Replace sections of pe pipe	S	C				
10980	Perform electrofusion jointing	S	C		I		<b>1</b>
12510	Install and change domestic meters and regulators	C	E		I	4	<b>1</b>
19550	Restore supply after interruption to domestic gas consumer in a gas distribution network	C	E		I		<b>1</b>
23089	Relight appliances safely after disruption of supply from a gas network	C		C	I	8	<b>1*</b>
20590	Test for odour level and concentration	S	C		I	2	<b>1</b>
19557	Perform routine maintenance on standard gas pressure reducing and metering stations	C	C		I	8	<b>1</b>
19555	Assemble, install, test, and commission standard gas pressure reducing and metering station	C	C		I		<b>1</b>
19560	Troubleshoot and rectify faults on standard gas pressure reducing and metering stations	C	E		I		<b>1</b>

Unit No.	Unit Standard Title	Core or Strand	Comp or Elective	On-job /Class	Internal / External	Hours	Priority
9575	DKO Cathodic Protection	C	C	C	I	4	1*
19543	Audit worksite systems	S(audit)	C		I	4	1
11328	Gain approvals and implement notification procedures for works in a gas distribution network	S	C				2
23084	Read and interpret meters	C	C				3
12450	Demonstrate knowledge of gas meters and correctors	C	C				3
12518	Check and maintain in-line valves	S	C				2
19551	Inspect and advise on works in the vicinity of a gas distribution network	S	C				3
23088	DKO standard pressure control	C	C				3
19549	Make temporary repairs	C	C	O/C	I		
10981	Fit mechanical couplings	C					3
10984	Cut, thread, and join steel pipes	C					3

## Gas Industry CoC 6b

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### CoC 6a Plus

Unit No.	Unit Standard Title	Core or Strand	Comp or Elective	On-job /Class	Internal / External	Hours	Classification
3272	Wear and operate compressed air breathing apparatus	C	E				<b>1</b>
9575	DKO Cathodic Protection	C	C	C	I	4	<b>1*</b>
12507	Use gas leakage detection equipment on natural gas	C	C	O	I		
19552	Stabilise a gas emergency site and deal with a gas-filled building	C	C		I	8	<b>1</b>
12526	Use fresh air distance breathing apparatus	C	E		I		
12510	Install and change domestic meters and regulators	C	E		I	4	<b>1</b>
19550	Restore supply after interruption to domestic gas consumer in a gas distribution network	C	E		I		
23089	Relight appliances safely after disruption of supply from a gas network	C		C	I	8	<b>1*</b>
19557	Perform routine maintenance on standard gas pressure reducing and metering stations	C	C		I	8	<b>1</b>
19555	Assemble, install, test, and commission standard gas pressure reducing and metering station	C	C		I		<b>1</b>
19560	Troubleshoot and rectify faults on standard gas pressure reducing and metering stations	C	E		I		<b>1</b>
23084	Read and interpret meters	C	C				<b>3</b>
12450	Demonstrate knowledge of gas meters and correctors	C	C				<b>3</b>
23088	DKO standard pressure control	C	C				<b>3</b>
10981	Fit mechanical couplings	C					<b>3</b>
10984	Cut, thread, and join steel pipes	C					<b>3</b>

\* New to Qualification, would normally be a "2"

## Gas Industry CoC 8b

### Classification Key

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### CoC 8a Plus

Unit No.	Unit Standard Title	Core or Strand	Comp or Elective	On-job /Class	Internal / External	Hours	Classification
12507	Use gas leakage detection equipment on natural gas	C	C	O	I	4	<b>1</b>
12504	Perform and record walking leakage surveys	S	C	O	I		
12505	Perform and record vehicle leakage surveys	S	C	O	I	2	<b>1</b>

## Gas Industry CoC 8c

### Classification Key

- 1** = These are unit standards that are considered to have a high level of risk in terms of potential to cause injury or harm to self, the public or property and will generally be refreshed on a 2 year basis
- 2** = Classification 2 unit standards cover the bulk of the industry specific standards that have a medium degree of risk in terms of potential to cause harm etc, and will generally be refreshed on a 4 year basis.
- 3** = Classification three unit standards are the remainder of the industry specific standards that have a low risk in terms of potential to cause harm etc. and will only be refreshed on a "need-to" basis.

### CoC 8a Plus

Unit No.	Unit Standard Title	Core or Strand	Comp or Elective	On-job /Class	Internal / External	Hours	Classification
3272	Wear and operate compressed air breathing apparatus	C	E				<b>1</b>
12507	Use gas leakage detection equipment on natural gas	C	C	O	I	4	<b>1</b>
12504	Perform and record walking leakage surveys	S	C	O	I		
19552	Stabilise a gas emergency site and deal with a gas-filled building	C	C		I	8	<b>1</b>
19549	Make temporary repairs	C	C	O/C	I		
12503	Respond to and locate gas escapes	S	C		I		
12526	Use fresh air distance breathing apparatus	C	E		I	12	<b>1</b>
10992	Use pipe and cable locators	S	C		I		<b>1</b>
19546/19547	Perform a pneumatic pressure test and purge a main/service	S	C		I		<b>1</b>
10975	Squeeze off a polyethylene pipe	S	C		I		<b>1</b>
10985	Replace sections of pe pipe	S	C				
10980	Perform electrofusion jointing	S	C		I		<b>1</b>
10981	Fit mechanical couplings	C					<b>3</b>
10984	Cut, thread, and join steel pipes	C				<b>3</b>	