Field Engineering and Technology

### Review, Revision and Rollover of Gas Industry unit standards

Subfield	Domain	ID
Gas Industry	Gas Marketing, Business and	<b>11327</b> , <b>11329</b> , 11331, <b>11335</b> , <b>20850</b> ,
	Administration	20863, <b>24712</b> , <b>24713</b> , <b>24714</b> , <b>24716</b> ,
		24717, 24718, 24719, 24722, 24723,
		25316, 25518, 25519
	Gas Measurement	<b>12450,</b> 12455, <b>12456,</b> 19544, 19545,
		23084, 23085
	Gas Network Construction	10968, 10969, 10972, 10974, 10975,
		10981, 10982, 10983, 10984, 10986,
		10988, 10992, 10993, 10994, 10995,
		19546, 19547, 23086, 23087, 25607,
		25608, 25609, 25611
	Gas Network Operations	<b>11326, 11328, 12497, 12498,</b> 12501,
		12502, 12503, 12504, 12505, 12507,
		12509, 12510, 12518, 12519, 12520,
		<b>12521,</b> 12523, <b>12524,</b> 12525, <b>12526,</b>
		17690, 19543, 19549, 19550, 19551,
		19552, 19554, 19555, 19556, 19557,
		19558, 19559, 19560, 20590, 23088,
		23089, 23090
	Gas Network Planning and	<b>12437,</b> 12438, 12439, 12440, 12441,
	Development	12457
	Gas Transmission Operations	9541, 9543, 9546, 9547, 9548, 9550,
		<b>9551</b> , <b>9554</b> , <b>9555</b> , <b>9569</b> , <b>9578</b> , 9579,
		<b>18415</b> , <b>18416</b> , 18417, <b>18418</b> , <b>18419</b> ,
		18420, <b>18421</b> , <b>19541</b> , <b>19542</b> , <b>25314</b> ,
		25315
	Gas Utilisation Engineering	<b>12442,</b> 12443, 12444, 12445, 12446,
		12447, 12448, 12449

MITO New Zealand Incorporated (MITO) has completed the review, revision and rollover of the unit standards listed above. The standards that were reviewed are indicated in **bold**.

Date new versions published August 2017

Planned review date for reviewed unit standards

Planned review date for revised and rolled over

unit standards

December 2022

December 2019

#### Summary

Following the listing of the New Zealand qualifications in the gas industry and development of new standards linked to them, it became necessary to revise or review the existing gas industry standards.

Unit standards were reviewed where there was a likelihood that they would continue to be used in the environment of the new qualifications. Other standards were revised and

rolled over for review later, depending on current use in the meantime.

The review of these standards has resulted in updated outcomes and evidence requirements that reflect current industry practice, and align the required skills and knowledge with the Graduate Profile Outcomes of the New Zealand qualifications for the gas sector.

MITO's gas industry working group has endorsed the changes made to the reviewed standards, and the development of new standards.

## Main changes

#### Reviewed unit standards

- Purpose statements, guidance information, outcomes, performance criteria, and range statements were amended to ensure they are accurate and fit for purpose, and to ensure clarity for users.
- · References were updated.
- The level of 30 standards was adjusted to provide a better match with the NZQF Level Descriptors.
- The credits of 10 standards were adjusted to reflect the time required for learning and assessment.
- Titles were amended to better reflect the content.
- 21 new standards were developed; 20 of these replace 47 standards that have been designated expiring; one is new. Some of the replacement relationships mean that new standards are in different domains to the replaced standards.
- Unit standards 9541, 18419 and 25609 were designated expiring and will not be replaced because they cover skills and knowledge that is no longer required by industry or is covered in other existing unit standards.
- A last date for assessment for superseded versions of reviewed unit standards was specified.

#### Revised and rolled over unit standards

- 26 standards were revised and rolled over with no change to classification, title, level, or credits.
- References were updated.
- The planned review date was extended to 31 December 2019.

#### Category C and D unit standards will expire at the end of December 2020

The last date for assessment of superseded versions of category B unit standards is 31 December 2018

Impact on existing accreditations

<b>Current co</b>	nsent for		Consent extended to			
Nature of consent	Classification or ID	Level	Nature of consent	Classification or ID	Level	
Domain	Gas Measurement	4	Standard	12456	5	
	Gas Network Construction	4	Standards	10972, 10983, 30374	5	
	Gas Network Operations	4	Standards	12509, 19552, 23090, 30384, 30385	5	
	Gas Transmission	4	Standards	18418, 18421	5	
	Operations	5	Standards	30380	3	
				30379	4	
Standard	25608	4	Standard	30374	5	

# Detailed list of unit standards - classification, title, level, and credits

All changes are in **bold**.

Ke	ey to review category
Α	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new
	version number
В	Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID
	and a new version number
С	Major changes that necessitate the registration of a replacement standard with a new ID
D	Standard will expire and not be replaced

Engineering and Technology > Gas Industry

ID	Domain	Title	Level	Credit	Review Category
12442	Gas Utilisation	Identify the sources, origin, basic	2	3	C
40504	Engineering	composition, and properties of gas			
12524	Gas Network	Demonstrate knowledge of gas	4	2	С
17600	Operations	properties and characteristics	2	6	С
17690	Gas Network Operations	Identify potential hazards of and safety precautions for working with	2	О	
	Operations	live reticulated gas			
30367	Gas Network	Demonstrate knowledge of gas,	3	6	
	Operations	and the risks and safety			
	-	precautions for working with live			
		gas			
12520	Gas Network	Demonstrate knowledge of a gas	2	4	С
	Operations	distribution network			
12521	Gas Network	Demonstrate knowledge of	2	4	
	Operations	pressure in a gas distribution			С
40544	0	network			
19541	Gas Transmission	Demonstrate knowledge of	2	3	С
	Operations	components on a gas transmission pipeline system			
19542	Gas	Demonstrate knowledge of gas	2	4	С
10042	Transmission	transmission pipeline networks and	_	-	
	Operations	pipelines			
30370	Gas Network	Demonstrate knowledge of gas	2	10	
	Operations	pipelines and networks			

ID	Domain	Title	Level	Credit	Review Category
9551	Gas	Carry out gas transmission pipeline	3	8	С
	Transmission	pigging			
	Operations				_
23087	Gas Network	Pig a pipeline in a gas network	4	4	С
00070	Construction	B'ara a a a a tara l'ara			
30376	Gas Network Construction	Pig a gas pipeline	4	4	
12450	Gas	Demonstrate knowledge of gas	2	3	С
	Measurement	meters and correctors			_
23084	Gas	Read and interpret gas metering	3	4	С
00000	Measurement	equipment			
23088	Gas Network	Demonstrate knowledge of	3	8	С
	Operations	standard gas pressure control equipment			
30381	Gas	Read and interpret gas metering	3	15	
	Measurement	equipment			
12510	Gas Network	Install and change domestic	3	6	С
	Operations	meters and regulators in a gas			
		distribution network			
23085	Gas	Describe the storage, handling,	2	2	С
	Measurement	transporting, and fitting of gas			
		meters up to 25 cubic metres			
30382	Gas	capacity Install and change low capacity	3	8	
30362	Measurement	gas measurement systems in a	3	0	
	Measurement	gas network			
9548	Gas	Locate pipelines in a gas	3	3	С
	Transmission	transmission environment			
	Operations				
10992	Gas Network	Use pipe and cable locators in a	3	3	С
10554	Construction	gas distribution network			
19551	Gas Network	Inspect and advise on works in the	3	3	С
	Operations	vicinity of a gas distribution network			
30379	Gas Network	Locate pipes and cables and	4	6	
	Operations	advise on third party works in			
		the vicinity of a gas pipeline			
9543	Gas	Install and maintain pipeline safety	3	2	С
	Transmission	signs and aerial markers in a gas			
40004	Operations	transmission environment			
10994	Gas Network	Read and interpret plans and	2	4	С
	Construction	drawings and complete a mark-out in a gas distribution network			
11326	Gas Network	Interpret symbols, signs, and	2	2	С
11020	Operations	terminology specific to a gas	_	_	
		distribution network			
30380	Gas Network	Interpret and use gas	3	6	
	Operations	terminology, plans and drawings			
		to complete a mark-out in a gas			
		network			

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

ID	Title	Level	Credit	Review Category
11327	Identify public relations roles and community liaison responsibilities in the gas industry	2	4	В
	Identify community concerns and respond to enquiries relating to gas industry operations and activities	3		
11329	Demonstrate knowledge of the New Zealand gas industry	2	2	В
11335	Demonstrate knowledge of and use a data processing and billing system in the gas industry	3 <b>4</b>	8	В
20850	Prepare and process applications for gas connections	3	6	В
24712	Perform administrative procedures for reticulated gas connections, disconnections, reconnections, and relocations	3 <b>4</b>	10 <b>8</b>	В
24713	Demonstrate knowledge of gas hazards, signs, symbols, and terminology for the gas retail industry	2	5	С
24718	Describe hazards of reticulated gas, the fire triangle, and actions to eliminate sources of ignition in the gas industry	2	6	С
30386	Demonstrate knowledge of gas, gas safety, signs, symbols and terminology for gas industry support	3	4	
24714	Demonstrate knowledge of the gas industry in relation to customer support and administration	2	3	С
24719	Demonstrate knowledge of gas retail business relationships, stakeholders, and their concerns with industry activities	3	6	С
30387	Demonstrate knowledge of business operations and relationships and regulation in the gas industry	4	8	
24716	Explain and manage gas emergencies and restore the system from a gas distribution contact centre	4	12	С
24723	Demonstrate knowledge of gas emergencies and coordinate the response to a gas emergency from a contact centre	3	12	С
30375	Coordinate the response to a gas emergency incident from a contact centre	4	8	
24717	Demonstrate knowledge of applications, quotations, and documentation for gas connections	3	8 <b>6</b>	В
24722	Respond to gas queries from a contact centre and describe gas appliance faults, incidents and events, and action to take	3	8	В
	Respond to gas safety, GMS, and network queries and describe the effects of major gas events	4		

Engineering and Technology > Gas Industry > Gas Measurement

ID	Title	Level	Credit	Review Category
12456	Install, commission, and maintain electronic gas	4	8	В
	flow correctors	5	5	

Engineering and Technology > Gas Industry > Gas Network Construction

ID	ing and Technology > Gas Industry > Gas Network Cor Title	Level	Credit	Review
			O. Gain	Category
10968	Decommission and disconnect a main in a gas	4	8	С
	distribution network			
10969	Decommission and disconnect services in a gas	3	8	С
	distribution network			
30372	Decommission and disconnect mains and	4	15	
	services in a gas network			
10972	Perform hydrostatic tests on mains and services in a	4	7	В
	gas distribution network	_		
	Perform hydrostatic tests on gas mains and	5		
	services	_		
10974	Use stopple equipment on steel gas pipes	4	10	C
10986	Use flow-stopping bags in a gas distribution network	4	10	С
25608	Carry out a flow stopping operation on a live gas	4	12	С
20274	main	E	20	
30374	Carry out a flow stopping operation on a live gas pipeline	5	20	
10975	Squeeze off a polyethylene pipe in a gas distribution	3	6	В
	network			
	Squeeze off a polyethylene pipe in a gas	4		
	network			
10981	Fit mechanical couplings in a gas distribution	3	3	В
	network			
	Fit mechanical couplings in a gas network			
10982	Demonstrate knowledge of steel welding on a gas	4	6	В
	distribution network			
	Demonstrate knowledge of steel welding in a			
40000	gas network	4	40	D
10983	Hot tap, test, and drill a steel pipe in a gas	4	12	В
	distribution network	E		
	Hot tap, test, and drill a steel pipe in a gas	5		
10984	network  Cut, thread, and join steel pipes in a gas distribution	2	3	В
10304	network		3	
	Cut, thread, and join steel pipes in a gas network	3		
10988	Insert a polyethylene pipe into a casing pipe in a gas	4	6	В
	distribution network	•		
	Insert a polyethylene pipe into a casing pipe in a			
	gas network			
10993	Use a Holiday detector in a gas distribution network	2	2	В
	Use a Holiday detector on a steel gas pipe	3		

ID	Title	Level	Credit	Review Category
10995	Draft information for as-built drawing in a gas	2	3	В
	distribution network			
	Draft information for as-built drawings for a gas network	3		
11328	Gain approvals and implement notification	3	3	В
	procedures for works in a gas distribution network			
	Gain approvals and implement notification			
	procedures for works in a gas network			
19546	Test, connect, and purge a main in a gas distribution	3	8	С
	network			_
19547	Connect, test, and purge a service in a gas	3	8	С
	distribution network			
30373	Connect, test, and purge mains and services in a	4	8	
	gas network			_
23086	Lay a gas pipe in a gas distribution network	3	6	В
	Lay a gas pipeline in an open trench		_	
25607	Demonstrate knowledge of flow stopping equipment	3	6	C
	and operations in a gas distribution network			
25611	Demonstrate knowledge of stopple equipment and	3	3	С
00074	operations in a gas distribution network			
30371	Demonstrate knowledge of flow stopping	4	6	
	equipment and operations in a gas network	_	_	
25609	Demonstrate knowledge of hydrostatic testing	3	3	D
	equipment and operations in a gas distribution			
	network	_		
30377	Demonstrate knowledge of intelligent pigging on	4	3	New
	a gas pipeline			

Engineering and Technology > Gas Industry > Gas Network Operations

ID	Title	Level	Credit	Review Category
12497	Demonstrate knowledge of legislation and documentation relating to gas network operations  Demonstrate knowledge of legislation, regulation and documentation relating to gas industry operations	5	10	В
12498	Produce, monitor, and maintain operational and safety procedures in a gas distribution environment Produce and monitor operational and safety procedures for a gas worksite	6 <b>5</b>	8	В
12502	Use pressure gauges and recorders in a gas distribution network Use pressure gauges and monitoring equipment in a gas network	2 <b>3</b>	3 <b>4</b>	В
12503	Respond to and locate gas escapes in a gas distribution network  Respond to and locate gas escapes in a gas network	3 <b>4</b>	20 <b>15</b>	В

Perform and record walking leakage surveys in a gas distribution network Perform and record vehicle leakage surveys in a gas distribution network Perform and record leakage surveys in a gas distribution network Perform and record leakage surveys in a gas network	ID	Title	Level	Credit	Review Category
12505   Perform and record vehicle leakage surveys in a gas distribution network   Perform and record leakage surveys in a gas network   12507   Use gas leakage detection equipment on reticulated gas networks   Use hand-held gas leakage detection equipment in a gas network   Install and test cathodic protection in a gas   4   7   8   12509   Install and test cathodic protection points in a gas network   Install and test cathodic protection points in a gas network   Install and test cathodic protection points in a gas network   Check and maintain in-line valves in a gas   3   3   8   12518   Demonstrate knowledge of odorisation in a gas distribution network   Demonstrate knowledge of odorisation in a gas network   Demonstrate knowledge of odorisation in a gas network   Use fresh air distance breathing apparatus in a gas network   Use fresh air distance breathing apparatus in a gas network   Use fresh air distance breathing apparatus in a gas network   19543   Audit worksite systems in a gas distribution network   Audit worksite systems in a gas network   19549   Make temporary repairs of gas escapes in a gas   10   10   10   10   10   10   10   1	12504		3	6	
30368   Perform and record leakage surveys in a gas network	12505	Perform and record vehicle leakage surveys in a	3	7	С
gas networks Use hand-held gas leakage detection equipment in a gas network  12509 Install and test cathodic protection in a gas distribution network Install and test cathodic protection points in a gas network  12518 Check and maintain in-line valves in a gas distribution network Check and maintain in-line valves in a gas pipeline  12519 Demonstrate knowledge of odorisation in a gas distribution network Demonstrate knowledge of odorisation in a gas network  12526 Use fresh air distance breathing apparatus in a gas distribution network Use fresh air distance breathing apparatus in a gas network  19543 Audit worksite systems in a gas distribution network Audit worksite systems in a gas network  19549 Make temporary repairs of gas escapes in a gas distribution network Make temporary repairs of gas escapes in a gas distribution network Relight gas appliances safely after disruption of supply from a gas network  23089 Restore supply after interruption to domestic gas consumer in a gas distribution network Restore supply and recommission a low capacity installation after an interruption  19552 Stabilise a gas emergency site and deal with a gas- filled building  19554 Demonstrate knowledge of advanced gas pressure control equipment Assemble, install, test, and commission a high  5 20	30368	Perform and record leakage surveys in a gas	4	6	
In a gas network   12509   Install and test cathodic protection in a gas   4   7   8   distribution network   Install and test cathodic protection points in a gas network   12518   Check and maintain in-line valves in a gas   3   3   3   8   distribution network   Check and maintain in-line valves in a gas   4   pipeline   12519   Demonstrate knowledge of odorisation in a gas   3   6   8   distribution network   Demonstrate knowledge of odorisation in a gas   3   3   8   distribution network   Demonstrate knowledge of odorisation in a gas   3   3   8   distribution network   Use fresh air distance breathing apparatus in a gas   3   3   8   distribution network   Use fresh air distance breathing apparatus in a gas network   4   19543   Audit worksite systems in a gas distribution network   4   4   4   4   4   4   4   4   4	12507	gas networks	3	5	В
12509   Install and test cathodic protection in a gas distribution network   Install and test cathodic protection points in a gas network   12518   Check and maintain in-line valves in a gas distribution network   Check and maintain in-line valves in a gas pipeline   12519   Demonstrate knowledge of odorisation in a gas distribution network   Demonstrate knowledge of odorisation in a gas network   12526   Use fresh air distance breathing apparatus in a gas network   Use fresh air distance breathing apparatus in a gas network   19543   Audit worksite systems in a gas distribution network   Audit worksite systems in a gas network   19549   Make temporary repairs of gas escapes in a gas   4					
12518   Check and maintain in-line valves in a gas distribution network   Check and maintain in-line valves in a gas pipeline	12509	Install and test cathodic protection in a gas	4	7	В
distribution network Check and maintain in-line valves in a gas pipeline  12519 Demonstrate knowledge of odorisation in a gas distribution network Demonstrate knowledge of odorisation in a gas network  12526 Use fresh air distance breathing apparatus in a gas distribution network Use fresh air distance breathing apparatus in a gas network  19543 Audit worksite systems in a gas distribution network Audit worksite systems in a gas network  19549 Make temporary repairs of gas escapes in a gas distribution network Make temporary repairs of gas escapes in a gas network  19550 Restore supply after interruption to domestic gas consumer in a gas distribution network Relight gas appliances safely after disruption of supply from a gas network  30383 Restore supply and recommission a low capacity installation after an interruption 19552 Stabilise a gas emergency site and deal with a gas- filled building  19554 Demonstrate knowledge of advanced gas pressure control equipment 19556 Assemble, install, test, and commission a high  5 20  30384 Assemble, install, test, and commission a high  5 20		•	5		
pipeline  12519 Demonstrate knowledge of odorisation in a gas distribution network  Demonstrate knowledge of odorisation in a gas network  12526 Use fresh air distance breathing apparatus in a gas distribution network  Use fresh air distance breathing apparatus in a gas network  19543 Audit worksite systems in a gas distribution network Audit worksite systems in a gas network  19549 Make temporary repairs of gas escapes in a gas distribution network Make temporary repairs of gas escapes in a gas of distribution network Make temporary repairs of gas escapes in a gas occupance in a gas distribution network Make temporary repairs of gas escapes in a gas occupance in a gas distribution network Restore supply after interruption to domestic gas consumer in a gas distribution network Restore supply after interruption of supply from a gas network  23089 Relight gas appliances safely after disruption of supply from a gas network Restore supply and recommission a low capacity installation after an interruption  19552 Stabilise a gas emergency site and deal with a gasfilled building 5000 Demonstrate knowledge of advanced gas pressure control equipment Assemble, install, test, and commission a high 5000 Assemble Assemble, install, test, and commission a high	12518		3	3	В
distribution network Demonstrate knowledge of odorisation in a gas network  12526 Use fresh air distance breathing apparatus in a gas distribution network Use fresh air distance breathing apparatus in a gas network  19543 Audit worksite systems in a gas distribution network Audit worksite systems in a gas network  19549 Make temporary repairs of gas escapes in a gas distribution network Make temporary repairs of gas escapes in a gas network  19550 Restore supply after interruption to domestic gas consumer in a gas distribution network Relight gas appliances safely after disruption of supply from a gas network  30383 Restore supply and recommission a low capacity installation after an interruption  19552 Stabilise a gas emergency site and deal with a gas-filled building  19554 Demonstrate knowledge of advanced gas pressure control equipment  19556 Assemble, install, test, and commission a high  5 20  3 3 4 B B B B B B B B B B B B B B B B B			4		
12526   Use fresh air distance breathing apparatus in a gas distribution network   Use fresh air distance breathing apparatus in a gas network   19543   Audit worksite systems in a gas network   4   19549   Make temporary repairs of gas escapes in a gas distribution network   Make temporary repairs of gas escapes in a gas   4   10   10   10   10   10   10   10	12519		3	6	В
distribution network Use fresh air distance breathing apparatus in a gas network  19543 Audit worksite systems in a gas distribution network Audit worksite systems in a gas network  19549 Make temporary repairs of gas escapes in a gas distribution network Make temporary repairs of gas escapes in a gas network  19550 Restore supply after interruption to domestic gas consumer in a gas distribution network Relight gas appliances safely after disruption of supply from a gas network  30383 Restore supply and recommission a low capacity installation after an interruption  19552 Stabilise a gas emergency site and deal with a gasfilled building  19554 Demonstrate knowledge of advanced gas pressure filled building  19556 Assemble, install, test, and commission an advanced gas pressure reducing and metering station  30384 Assemble, install, test, and commission a high  5 B					
19543   Audit worksite systems in a gas distribution network   Audit worksite systems in a gas network   4	12526		3	3	В
Audit worksite systems in a gas network  19549 Make temporary repairs of gas escapes in a gas distribution network  Make temporary repairs of gas escapes in a gas network  19550 Restore supply after interruption to domestic gas consumer in a gas distribution network  23089 Relight gas appliances safely after disruption of supply from a gas network  30383 Restore supply and recommission a low capacity installation after an interruption  19552 Stabilise a gas emergency site and deal with a gasfilled building  19554 Demonstrate knowledge of advanced gas pressure control equipment  19556 Assemble, install, test, and commission an advanced gas pressure reducing and metering station  30384 Assemble, install, test, and commission a high  5 B					
19549 Make temporary repairs of gas escapes in a gas distribution network  Make temporary repairs of gas escapes in a gas network  19550 Restore supply after interruption to domestic gas consumer in a gas distribution network  23089 Relight gas appliances safely after disruption of supply from a gas network  Restore supply and recommission a low capacity installation after an interruption  19552 Stabilise a gas emergency site and deal with a gasfilled building  19554 Demonstrate knowledge of advanced gas pressure control equipment  19556 Assemble, install, test, and commission an advanced gas pressure reducing and metering station  30384 Assemble, install, test, and commission a high  5 B  10  10  10  10  10  10  10  10  10  1	19543	· · · · · · · · · · · · · · · · · · ·		4	В
network   19550   Restore supply after interruption to domestic gas consumer in a gas distribution network   23089   Relight gas appliances safely after disruption of supply from a gas network   30383   Restore supply and recommission a low capacity installation after an interruption   19552   Stabilise a gas emergency site and deal with a gasfilled building   5   20   19554   Demonstrate knowledge of advanced gas pressure control equipment   4   15   C   C   C   C   C   C   C   C   C	19549		3	5	В
consumer in a gas distribution network Relight gas appliances safely after disruption of supply from a gas network Restore supply and recommission a low capacity installation after an interruption  Stabilise a gas emergency site and deal with a gasfilled building  Demonstrate knowledge of advanced gas pressure control equipment  Assemble, install, test, and commission an advanced gas pressure reducing and metering station  Assemble, install, test, and commission a high  C  C  C  C  C  C  C  C  C  C  C  C  C			4	10	
supply from a gas network  Restore supply and recommission a low capacity installation after an interruption  19552 Stabilise a gas emergency site and deal with a gasfilled building  19554 Demonstrate knowledge of advanced gas pressure control equipment  19556 Assemble, install, test, and commission an advanced gas pressure reducing and metering station  30384 Assemble, install, test, and commission a high  5 12	19550		3	5	С
capacity installation after an interruption  19552 Stabilise a gas emergency site and deal with a gasfilled building  19554 Demonstrate knowledge of advanced gas pressure control equipment  19556 Assemble, install, test, and commission an advanced gas pressure reducing and metering station  30384 Assemble, install, test, and commission a high  5 B 5 20  16 C 7 C	23089		3	12	С
filled building  19554 Demonstrate knowledge of advanced gas pressure control equipment  19556 Assemble, install, test, and commission an advanced gas pressure reducing and metering station  30384 Assemble, install, test, and commission a high  5 20  16 C  17 C  18 C  19 C  20 Demonstrate knowledge of advanced gas pressure 4 15 15 15 15 15 15 15 15 15 15 15 15 15	30383		4	12	
control equipment Assemble, install, test, and commission an advanced gas pressure reducing and metering station  30384 Assemble, install, test, and commission a high  5 20	19552	filled building	5		В
advanced gas pressure reducing and metering station  30384 Assemble, install, test, and commission a high  5	19554	control equipment	4	16	
30384 Assemble, install, test, and commission a high 5 20	19556	advanced gas pressure reducing and metering	4	15	С
station	30384	Assemble, install, test, and commission a high capacity gas pressure control and metering	5	20	

ID	Title	Level	Credit	Review Category
19555	Assemble, install, test, and commission a standard	3	10	В
	gas pressure reducing and metering station Assemble, install, test, and commission a low	4		
	capacity gas pressure control and metering	7		
	station			
19557	Perform maintenance on a standard gas pressure	3	10	В
	reducing and metering station			
	Perform maintenance on a low capacity gas	4		
	pressure control and metering station			
19558	Troubleshoot and rectify faults on an advanced gas	4	30	С
10550	pressure reducing and metering station	4	25	
19559	Perform maintenance on an advanced gas pressure reducing and metering station	4	25	С
30385	Maintain, troubleshoot and rectify faults on a	5	30	
	high capacity gas pressure control and metering			
	station			
19560	Troubleshoot and rectify faults on a standard gas	3	20	В
	pressure reducing and metering station			
	Troubleshoot and rectify faults on a low capacity	4	15	
	gas pressure control and metering station			
20590	Test gas for odour level and odorant concentration	3	3	В
	in a gas network	4		
23090	Demonstrate knowledge of designing gas regulator	4	6	В
	and metering stations in a gas distribution network			
	Demonstrate knowledge of gas pressure control and metering station design	5		

Engineering and Technology > Gas Industry > Gas Network Planning and Development

ID	Title	Level	Credit	Review Category
12437	Use and maintain electronic mapping information for a gas distribution network Use and maintain electronic mapping information for a gas network	3	6	В

Engineering and Technology > Gas Industry > Gas Transmission Operations

ID	Title	Level	Credit	Review
				Category
9541	Use acoustical leak detection equipment on a gas transmission pipeline system	4	2	D
9546	Carry out aerial inspection of a gas transmission pipeline system	3	2	С
9554	Inspect gas transmission pipeline easements and pipeline systems	3	3	С
30369	Inspect gas pipeline environments, cased crossings and aerial spans	4	6	

ID	Title	Level	Credit	Review Category
9547	Demonstrate knowledge of protecting under depth	4	4	С
	gas transmission pipelines			
9555	Identify methods of prevention and control of, and	4	8	С
	monitor and control, erosion on a gas transmission			
30378	pipeline system  Demonstrate knowledge of erosion prevention	4	6	
30370	and protecting under depth gas pipelines	7	0	
9550	Perform basic pipe wrapping on a steel pipeline	4	3	В
	Perform pipe coating and wrapping on a steel			
	pipeline			
9569	Operate odorant systems in a gas transmission	3	4	В
	environment			
	Operate odorant systems in a gas network	4		
9578	Carry out a Direct Current Voltage Gradient (DCVG)	4	3	В
	survey in the gas transmission industry			
	Carry out a Direct Current Voltage Gradient			
40445	(DCVG) survey on a steel gas pipe		2	D
18415	Demonstrate knowledge of gas filtration, and gas filtration and ancillary equipment, in the gas	3	3	В
	transmission industry			
	Demonstrate knowledge of gas filtration, and	4		
	gas filtration and ancillary equipment in the gas	•		
	industry			
18416	Operate and maintain gas-fired water bath heater	3	4	В
	equipment on a gas transmission pipeline system			
	Operate and maintain gas-fired water bath	4		
	heater equipment in a gas network			
18418	Operate and maintain main line valves on a gas	4	6	В
	transmission pipeline system	_		
	Operate and maintain main line valves in a gas	5		
18419	network Operate and maintain gas filtration equipment on a	4	3	D
10419	gas transmission pipeline system	4	3	
18421	Demonstrate knowledge of the application of	4	6	В
10421	compression equipment in the gas transmission	-		
	industry			
	Demonstrate knowledge of the application of	5		
	compression equipment in the gas industry			
25314	Control excavations near a gas transmission	4	4	В
	pipeline system			
	Control excavations in the vicinity of a high			
05045	pressure gas pipeline	0		D
25315	Isolate and tag plant and equipment, and remove	3	5	В
	danger tags, on a gas transmission pipeline system  Isolate and tag plant and equipment, and remove	4	3	
	danger tags, in a gas network	~	٦	
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