

Field Engineering and Technology and Manufacturing**Review and reclassification of *Gas Industry* and *Plastics Processing Technology* unit standards**

Subfield	Domain	ID
Gas Industry	Gas Marketing, Business and Administration	11327
	Gas Measurement	30381
	Gas Network Construction	10981, 10984, 10995, 11328, 23086, 30371, 30377
	Gas Network Operations	12502, 12507, 12526, 20590, 30367, 30370, 30380
	Gas Transmission Operations	30369
Plastics Processing Technology	Plastics Fabrication	25610

MITO New Zealand Incorporated (MITO) has completed the review and reclassification of the unit standards listed above. The unit standard that has been reclassified is listed in **bold**.

Date new versions published

February 2020

Planned review date

December 2024

Summary

MITO has reviewed unit standards to meet the requirements of the New Zealand Certificate in Reticulated Gas Pipelines (Level 3) [Ref: 3591] and to ensure they are fit-for-purpose for the industry sectors.

MITO was supported by the Gas Industry Reference Group including subject matter experts, trainers, employers and MITO representatives to review the standards. The standards were circulated to the working group's networks, and a consultation period was held on the MITO website. Feedback received was actioned where appropriate.

Main changes

- Purpose statements, guidance information, references, outcomes, performance criteria, and range statements were amended to ensure they are accurate and fit for purpose, reflect the standard content and to ensure clarity for users.
- The level of several standards was adjusted to provide a better match with the NZQF Level Descriptors.
- The credits of several standards were adjusted to reflect the time required for learning and assessment.
- Two unit standards were replaced as they were no longer meeting the needs of industry.
- Eight new standards were developed; five of these replaced the two standards that were designated expiring; three are new.
- Unit standard 25610 was reclassified and credits increased from 4 to 6 to reflect the time required for learning and assessment.

Category C unit standards will expire at the end of December 2021

The last date for assessment of superseded versions of category B unit standards is December 2021

Detailed list of unit standards – classification, title, level, and creditsAll changes are in **bold**.

Key to review category	
A	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number
B	Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID and a new version number
C	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 > Gas Marketing, Business and Administration

ID	Title	Level	Credit	Review Category
11327	Identify community concerns and respond to enquiries relating to gas industry operations and activities Identify community concerns and respond to enquiries relating to gas industry operations	3	4	B

Engineering and Technology > Gas Industry > Gas Measurement

ID	Title	Level	Credit	Review Category
30381	Read and interpret gas metering equipment	3	15	C
32040	Collect and record gas metering data	3	4	
32041	Demonstrate knowledge of standard gas pressure control equipment and metering stations	3	8	
32042	Describe gas metering equipment used in a gas network	3	3	

Engineering and Technology > Gas Industry > Gas Network Construction

ID	Title	Level	Credit	Review Category
10981	Fit mechanical couplings in a gas network	3	3 4	B
10984	Cut, thread, and join steel pipes in a gas network	3	3	B
10995	Draft information for as-built drawings for a gas network	3	3 5	B
11328	Gain approvals and implement notification procedures for works in a gas network	3	3	B
23086	Lay a gas pipeline in an open trench Lay a polyethylene gas pipeline	3	6	B
30371	Demonstrate knowledge of flow stopping equipment and operations in a gas network Demonstrate knowledge of flow stopping in a gas network	4 3	6 4	B
30377	Demonstrate knowledge of intelligent pigging on a gas pipeline Demonstrate knowledge of pigging on a gas network pipeline	4 3	3 4	
32035	Demonstrate and apply knowledge of excavation, backfill and compaction for a gas network	3	10	New
32036	Demonstrate knowledge of cathodic protection and carry out a reading in a gas network	3	5	New

ID	Title	Level	Credit	Review Category
32037	Carry out cathodic protection system monitoring in a gas network	4	6	New

Manufacturing > Plastics Processing Technology > Plastics Fabrication
Engineering and Technology > Gas Industry > Gas Network Construction

ID	Title	Level	Credit	Review Category
25610	Demonstrate knowledge of equipment and operations for joining polyethylene pipe for a network Demonstrate knowledge of polyethylene pipe, fittings and fusion jointing for a gas network	3	4 6	B

Engineering and Technology > Gas Industry > Gas Network Operations

ID	Title	Level	Credit	Review Category
12502	Use pressure gauges and monitoring equipment in a gas network Operate pressure gauges and monitoring equipment in a gas network	3	4	B
12507	Use hand-held gas leakage detection equipment in a gas network	3	5	B
12526	Use fresh air distance breathing apparatus in a gas network	3	3	B
20590	Test gas for odour level and odorant concentration in a gas network	4 3	3 4	B
30367	Demonstrate knowledge of gas, and the risks and safety precautions for working with live gas Demonstrate knowledge of gas, and the hazards and safety controls for working with live gas	3	6	B
30370	Demonstrate knowledge of gas pipelines and networks Demonstrate knowledge of gas transmission pipelines and distribution networks	2 3	10 6	B
30380	Interpret and use gas terminology, plans and drawings to complete a mark-out in a gas network Interpret and use gas terminology, signage, plans and drawings to identify assets in a gas network	3	6	B

Engineering and Technology > Gas Industry > Gas Transmission Operations

ID	Title	Level	Credit	Review Category
30369	Inspect gas pipeline environments, cased crossings and aerial spans	4	6	C
32038	Carry out inspections of gas pipeline environments	3	4	
32039	Inspect an aerial span on gas pipeline systems	4	2	