

Field Engineering and Technology

Review and development of *Gas Industry* unit standards

Subfield	Domain	ID
Gas Industry	Gas Marketing, Business and Administration	11331, 20863, 25316, 25518, 25519
	Gas Measurement	12455, 19544, 19545
	Gas Network Operations	12501, 12523, 12525
	Gas Network Planning and Development	12438-12441, 12457
	Gas Transmission Operations	9579, 18417, 18420
	Gas Utilisation Engineering	12443-12449

MITO New Zealand Incorporated (MITO) has completed the review of the unit standards listed above.

Date new versions published

March 2020

Planned review date

December 2024

Summary

MITO undertook analysis of currently listed Gas Industry unit standards and identified a number that are no longer being used and have not been awarded in four years or longer. The decision was made to expire these standards as they no longer align with industry need.

MITO also developed one new unit standard at the request of industry to meet the requirements of the New Zealand Certificate in Reticulated Gas Pipelines (Level 3) [Ref: 3591]. This standard development was supported by the Gas Industry Reference Group including subject matter experts, trainers, employers and MITO representatives. The standard was circulated to the working group's networks, and a consultation period was held. Feedback received was actioned where appropriate.

Main changes

- 26 standards were set to expire without replacement.
- One new standard was developed to meet the needs of industry.

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

Detailed list of unit standards – classification, title, level, and credits

All 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
11331	Demonstrate knowledge of gas use and equipment in a commercial environment	4	12	D
20863	Describe industry specific legislative requirements relating to the sale of gas appliances	3	3	D
25316	Complete documentation, and log and report information, for a gas industry organisation	2	3	D
25518	Demonstrate knowledge of gas appliances, requirements for installation, faults, safety, and documentation for gas retail	3	7	D
25519	Identify customer requirements for gas appliances, parts, accessories and servicing, and match to customer requirements	3	8	D

Engineering and Technology > Gas Industry > Gas Measurement

ID	Title	Level	Credit	Review Category
12455	Install, commission, and maintain mechanical gas flow correctors	4	10	D
19544	Test gas meters using a bell prover	3	12	D
19545	Test gas meters using a transfer prover	4	12	D

Engineering and Technology > Gas Industry > Gas Network Construction

ID	Title	Level	Credit	Review Category
32105	Demonstrate knowledge of personal protection equipment in the gas industry	3	2	New

Engineering and Technology > Gas Industry > Gas Network Operations

ID	Title	Level	Credit	Review Category
12501	Control and manage emergency incidents in a gas distribution network	6	12	D
12523	Prepare, implement, and monitor asset maintenance plans for a gas distribution network	6	10	D
12525	Select gas pressure control equipment for use in a gas distribution network	5	8	D

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

ID	Title	Level	Credit	Review Category
12438	Identify and utilise the principles of gas flow dynamics for network system design	4	12	D
12439	Plan and design a gas network system	5	10	D
12440	Plan and design gas regulator and metering stations in a gas distribution network	6	10	D
12441	Design an odourisation system in a gas distribution network	5	6	D
12457	Design a cathodic protection system in a gas distribution network	6	12	D

Engineering and Technology > Gas Industry > Gas Transmission Operations

ID	Title	Level	Credit	Review Category
9579	Carry out cathodic protection system troubleshooting survey in the gas transmission industry	4	4	D
18417	Perform maintenance on a metering system on a gas transmission pipeline system	4	6	D
18420	Participate in emergency pipeline repairs on a gas transmission pipeline system	3	3	D

Engineering and Technology > Gas Industry > Gas Utilisation Engineering

ID	Title	Level	Credit	Review Category
12443	Support industrial and commercial gas customers with training, maintenance programmes and service	6	6	D
12444	Provide an industrial heating solution in a gas distribution network	5	8	D
12445	Provide an industrial steam and hot water solution in a gas distribution network	6	9	D
12446	Provide an industrial co-generation solution in a gas distribution network	6	10	D
12447	Provide an industrial air conditioning solution in a gas distribution network	5	8	D
12448	Provide an industrial or commercial catering solution in a gas distribution network	4	6	D
12449	Demonstrate knowledge of gas combustion, burners, control systems, and flame protection	4	15	D