

Field Engineering and Technology**Review of *Motor Industry* unit standards**

Subfield	Domain	ID
Motor Industry	Automotive Preventive Maintenance	21680
	Engines	231, 21686, 21717, 24269
	Motor Industry - Introductory Skills	21669, 21670

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

Date new versions published

October 2017

Planned review date

December 2022

Summary

As a result of the Targeted Review of Qualifications process, it became necessary for MITO to review a number of motor industry unit standards to better reflect the requirements of the outcomes listed in new qualifications. MITO also replaced a number of existing unit standards where there was a great likelihood that they would not be used in the environment of the new qualifications.

The review of these unit standards has resulted in updated outcomes and performance criteria that reflect current industry practice and the Graduate Profile Outcomes listed in the new qualifications.

MITO's automotive industry working group endorsed the changes made, and the development of new unit standards. Representation in the working group included subject matter experts, industry representatives, provider representatives and MITO representatives. The new unit standards were circulated in the working group's greater networks and all feedback was actioned where appropriate.

Main changes

- Seven standards were reviewed and replaced with six new unit standards.

Category C unit standards will expire at the end of December 2020.

Impact on existing organisations with consent to assess

Current consent for			Consent extended to		
Nature of consent	Classification or ID	Level	Nature of consent	Classification or ID	Level
Subfield	Motor Industry	2	Standards	30477, 30479, 30480	3
Domain	Automotive Preventative Maintenance	3	Standard	30478	2
Domain	Engines	2	Standards	30477, 30479, 30480	3
Standard	231	2	Standard	30477	3
Standard	21670	2	Standard	30475	2
Standard	21669	2	Standard	30476	2
Standard	21680	3	Standard	30478	2
Standard	21686	2	Standard	30480	3
Standard	21717	2	Standard	30479	3
Standard	24269	3	Standard	30480	3

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 the same 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 > Motor Industry

ID	Domain	Title	Level	Credit	Review Category
21680	Automotive Preventive Maintenance	Demonstrate knowledge of automotive lubricants and sealants	3	3	C
30478	Motor Industry - Introductory Skills	Demonstrate knowledge of automotive lubricants	2	2	

Engineering and Technology > Motor Industry > Engines

ID	Title	Level	Credit	Review Category
231	Demonstrate knowledge of the operation of two and four stroke petrol and diesel engines	2	4	C
30477	Demonstrate knowledge of petrol and diesel engines	3	4	

ID	Title	Level	Credit	Review Category
21686	Demonstrate knowledge of automotive cooling systems	2	2	C
24269	Demonstrate knowledge of cooling system operation, and factors that affect system efficiency on vehicles or machines	3	4	C
30480	Demonstrate knowledge of automotive cooling systems and engine coolant	3	2	
21717	Service automotive cooling systems	2	3	C
30479	Service an automotive cooling system	3	3	

Engineering and Technology > Motor Industry > Motor Industry - Introductory Skills

ID	Title	Level	Credit	Review Category
21669	Demonstrate knowledge of hand tools and workshop equipment for motor industry applications	2	2	C
30476	Demonstrate knowledge of tools and equipment used in the motor industry	2	2	
21670	Demonstrate knowledge of general engineering tasks in the motor industry	2	3	C
30475	Demonstrate knowledge of motor industry engineering tasks	2	2	