

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

Subfield	Domain	ID
Motor Industry	Automotive Electrical and Electronics	891, 895
	Automotive Fuel Systems and Exhaust	21678
	Automotive Transmission Systems	24308
	Vehicle Braking Systems	242, 5466
	Vehicle Steering and Suspension	24564

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

Date new versions published

September 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 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 has 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 unit standards were reviewed.
- Six new unit standards were developed.
- Two unit standards were designated expiring without replacement.

Category C and D 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	Standard	30518	3
Domain	Vehicle Braking Systems	2	Standard	30518	3
Standard	242	2	Standard	30518	3
Standard	5466	3	Standard	30517	3
Standard	21678	3	Standard	30515	3
Standard	24308	3	Standard	30516	3
Standard	24564	3	Standard	30519	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 > Automotive Electrical and Electronics

ID	Title	Level	Credit	Review Category
891	Diagnose and rectify faults in a contact breaker (CB) ignition system on an engine	4	2	D
895	Diagnose and rectify faults in a conventional-type electronic ignition system on an engine	4	4	D

Engineering and Technology > Motor Industry > Automotive Fuel Systems and Exhaust

ID	Title	Level	Credit	Review Category
21678	Remove, repair, and/or replace a vehicle and/or machine exhaust system	3	2	C
30515	Remove and refit intake and exhaust system components	3	3	

Engineering and Technology > Motor Industry > Automotive Transmission Systems

ID	Title	Level	Credit	Review Category
24308	Rectify driveline faults on light vehicles, and overhaul universal and constant velocity (CV) joints	3	3	C
30516	Replace driveline components	3	3	

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

ID	Title	Level	Credit	Review Category
30514	Carry out minor servicing tasks on an ignition system	2	2	New

Engineering and Technology > Motor Industry > Vehicle Braking Systems

ID	Title	Level	Credit	Review Category
242	Change the fluid and bleed a brake hydraulic system	2	2	C
30518	Bleed a hydraulic brake system	3	2	
5466	Remove and replace light vehicle brake pads and shoes	3	2	C
30517	Service a brake system on a vehicle or machine	3	4	

Engineering and Technology > Motor Industry > Vehicle Steering and Suspension

ID	Title	Level	Credit	Review Category
24564	Remove and replace steering and suspension components on motor vehicles or machines	3	3	C
30519	Service steering and suspension systems on a vehicle or machine	3	4	