

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

Subfield	Domain	ID
Motor Industry	Automotive Preventive Maintenance	944, 24340
	Engines	15442, 15445
	Vehicle Steering and Suspension	24429, 24442

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

Date new versions published

October 2018

Planned review date

December 2023

Summary

As a result of the Targeted Review of Qualifications, MITO reviewed and developed motor industry unit standards to meet the requirements of the New Zealand qualifications and to ensure they are fit-for-purpose for the automotive industry.

MITO was supported by the industry's working group including subject matter experts and MITO representatives. The standards were circulated to the working group's networks and feedback was actioned where appropriate.

Main changes

- Four standards were replaced by two new standards.
- Eight new standards were developed to align with the requirements of the New Zealand qualifications.
- Unit 24429 and 24442 were reinstated at the request of industry who wish to have recognised training in these areas.
- Guidance information, performance criteria, range statements and outcomes were amended to ensure relevance to industry practice and to reflect the intended outcome of the standard.

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	3	Standards	24442, 31436, 31437	4
Domain	Automotive Preventive Maintenance	3	Standard	31436	4
Domain	Engines	3	Standard	31437	4
Domain	Vehicle Steering and Suspension	3	Standard	24442	4

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 Plastic Repair

ID	Title	Level	Credit	Review Category
31438	Demonstrate knowledge of plastic repairs on a motorcycle or ATV	3	2	New

Engineering and Technology > Motor Industry > Automotive Preventive Maintenance

ID	Title	Level	Credit	Review Category
944	Carry out a pre-delivery check, rectify defects, and complete the service on a motorcycle	3	3	C
24340	Carry out a pre-delivery check, rectify defects, and complete the service on an all-terrain vehicle (ATV)	3	3	C
31436	Carry out a pre-delivery inspection on a vehicle or machine	4	3	
31439	Demonstrate knowledge of a pre-delivery inspection on a vehicle or machine	3	3	New
31441	Describe automotive bearings	3	2	New

Engineering and Technology > Motor Industry > Engines

ID	Title	Level	Credit	Review Category
15442	Carry out repairs to a motorcycle cylinder head	4	6	C
15445	Diagnose and rectify motorcycle engine piston and cylinder assembly faults	3	5	C
31437	Diagnose and repair faults in a motorcycle engine	4	8	
31435	Diagnose and repair faults in manual starting systems	4	2	New
31440	Describe manual starting systems	3	2	New

Engineering and Technology > Motor Industry > Tyres

ID	Title	Level	Credit	Review Category
31444	Remove and refit motorcycle wheels and tyres	3	3	New

Engineering and Technology > Motor Industry > Vehicle Bodywork

ID	Title	Level	Credit	Review Category
31442	Describe All-terrain vehicle (ATV) occupant safety systems	3	2	New
31443	Describe the effects of modifications on All-terrain vehicle (ATV) handling dynamics	3	2	New

Engineering and Technology > Motor Industry > Vehicle Steering and Suspension

ID	Title	Level	Credit	Review Category
24429	Demonstrate knowledge of motorcycle frame, steering, and suspension systems	4	6	Reinstated
24442	Remove and replace motorcycle steering and suspension components	3 4	4	Reinstated