

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

Subfield	Domain	ID
Motor Industry	Vehicle Bodywork	5434, 5465, 11720, 21097-21099, 23815, 23816
	Vehicle Braking Systems	21101, 23819, 23820, 24406, 24412, 24413, 24415, 24424
	Vehicle Recovery	23942, 23944
	Vehicle Spraypainting	21103
	Vehicle Steering and Suspension	21104, 23821, 23822, 24403, 24404, 24429-24431, 24436, 24437, 24442

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

Summary

These unit standards were due for review. It was identified that these unit standards had had little or no usage over the past five years, and were, therefore, considered to no longer be required.

All organisations with consent to assess against these standards were advised of the intended expiry and no objections to the proposed expiry were received. Feedback was also invited through a consultation period on the MITO website during March 2018, and no feedback objecting to the proposed expiry was received from the consultation.

Main changes

The unit standards were set to expire without replacement.

These Category D unit standards will expire at the end of December 2020**Detailed list of unit standards – classification, title, level, and credits**

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 > Vehicle Bodywork

ID	Title	Level	Credit	Review Category
5434	Dismantle and store vehicle body components	3	10	D
5465	Dismantle, clean, and store vehicle mechanical, electrical, and electronic components	3	4	D
11720	Evaluate vehicle weight requirements, and calculate a vehicle weight from specifications	5	4	D
21097	Demonstrate knowledge of vehicle body and structural design principles	5	6	D
21098	Describe aluminium alloy vehicle body and structural components, and determine repair requirements	5	4	D

ID	Title	Level	Credit	Review Category
21099	Determine the effects and report on complex damage to vehicle body systems and structure	5	6	D
23815	Demonstrate knowledge of body design features for competition race vehicles	4	5	D
23816	Demonstrate knowledge of body requirements and regulations for competition race vehicles	3	3	D

Engineering and Technology > Motor Industry > Vehicle Braking Systems

ID	Title	Level	Credit	Review Category
21101	Check and rectify faults on air-braked heavy vehicle anti-lock braking and traction control systems	5	4	D
23819	Demonstrate knowledge of braking requirements for competition race vehicles	3	4	D
23820	Inspect and diagnose braking system faults, and repair braking systems on competition race vehicles	4	4	D
24406	Prepare and reline brake shoes in the automotive repair industry	3	2	D
24412	Demonstrate knowledge of motorcycle braking systems and repair procedures	3	3	D
24413	Diagnose and rectify brake system faults on a motorcycle	4	4	D
24415	Bond brake shoes	4	6	D
24424	Service motorcycle braking systems	3	4	D

Engineering and Technology > Motor Industry > Vehicle Recovery

ID	Title	Level	Credit	Review Category
23942	Recover heavy vehicles and/or on-road machines and maintain towing and lifting equipment	4	3	D
23944	Flat tow a light vehicle	3	1	D

Engineering and Technology > Motor Industry > Vehicle Spraypainting

ID	Title	Level	Credit	Review Category
21103	Determine a paint maintenance programme for customers	5	1	D

Engineering and Technology > Motor Industry > Vehicle Steering and Suspension

ID	Title	Level	Credit	Review Category
21104	Demonstrate knowledge of fine tuning motorcycle steering, suspension, and frame	5	4	D
23821	Demonstrate knowledge of fine tuning competition race vehicle steering and suspension systems to suit motorsport events	5	8	D
23822	Demonstrate knowledge of competition race vehicle steering and suspension systems to suit motorsport events	3	4	D
24403	Demonstrate knowledge of motorcycle and all-terrain vehicle (ATV) wheel assemblies, tyres, and puncture repairs	3	3	D

ID	Title	Level	Credit	Review Category
24404	Repair motorcycle wheel assemblies	3	2	D
24429	Demonstrate knowledge of motorcycle frame, steering, and suspension systems	3	4	D
24430	Demonstrate knowledge of diagnosing faults in motorcycle frame, steering, and suspension systems	4	2	D
24431	Diagnose and rectify faults in motorcycle frames, steering, and suspension systems	4	4	D
24436	Demonstrate knowledge of heavy equipment clutch steering systems and fault diagnosis and repair procedures	4	2	D
24437	Diagnose faults and repair heavy equipment clutch steering systems	4	4	D
24442	Remove and replace motorcycle steering and suspension components	3	4	D