

Impact on existing provider accreditations

Current Accreditation for			Accreditation extended to		
Nature of accreditation	Classification or Id	Level	Nature of accreditation	Classification or Id	Level
Domain	Automotive Administration	4	Standard	15367	5
Domain	Automotive Preventative Maintenance	5	Standard	977	5

Impact on existing qualifications

Qualifications that contain the reviewed standards or classifications are tabled below.

Affected	The qualification lists a reviewed classification (domain or subfield) in an elective set The qualification lists a standard that has changes to level or credits The qualification lists a C or D category standard
Not materially affected	The qualification lists a standard that has a new title The qualification lists a standard that has a new classification

The following MITO qualifications are affected by the outcome of this review and will be updated as part of the present QReview conducted by NZ Motor Industry Training Organisation (MITO).

Qualification title	Standard in the qualification
National Certificate in Motor Industry (Motorcycle Engineering) [Ref: 0015]	977
National Certificate in Motor Industry (Automotive Machining) [Ref: 0371]	977, 11731
National Certificate in Motor Industry (Automotive Technical Supervision) [Ref: 0677]	5783, 15367

The following MITO qualification is not materially affected by the changes. It will be updated as part of the present QReview conducted by NZ Motor Industry Training Organisation (MITO).

Qualification title	Standard in the qualification
National Certificate in Motor Industry (Automotive Heavy Engineering) with strands in Agricultural Equipment, Plant and Equipment, and Road Transport [Ref: 0003]	2321

Summary of main changes to standards' Ids, classification, titles, levels, and credits

The following summary shows the changes made to the standards as a result of the review. All changes are in **bold**.

Key to review category
A Dates changed, but no other changes are made - the replacement standard carries the same Id and a new version number
B Changes made, but the overall outcome remains the same - the replacement 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

Subfield Motor Industry

Id	Domain	Title	Level	Credit	Review Category
977	Automotive Preventative Maintenance Automotive Administration	Demonstrate knowledge of automotive component corrosion prevention requirements Demonstrate knowledge of, and recommend, automotive component corrosion prevention requirements	5	5 7	B
5783	Vehicle Bodywork Automotive Administration	Identify and interpret current legislation relevant to the workplace in the motor industry Identify, interpret, and apply legal requirements relevant to the workplace in the motor industry	5	8	B
5784	Vehicle Bodywork Automotive Administration	Plan and draw a workshop layout in the motor body industry Describe factors in determining, and draw a workplace layout in the motor body industry	5	3 4	B
5737	Vehicle Spraypainting	Assess vehicle paint damage, write a job sheet, estimate, and quotation, and cost the job	5	8	C
5779	Panelbeating	Assess vehicle panel damage, prepare a job sheet, estimate, and quotation, and cost the job	5	7	C
21084	Automotive Administration	Assess vehicle panel and/or paint damage, and prepare an estimate and/or quotation		4	

Subfield Motor Industry

Domain Automotive Administration

Id	Title	Level	Credit	Review Category
15367	Demonstrate knowledge of automotive workplace efficiency and productivity concepts Demonstrate knowledge of, and apply, automotive workplace efficiency and productivity concepts	4 5	4	B
21078	Demonstrate knowledge of quality control standards in the motor and related industries	3	2	New
21079	Inspect technical quality of work in the motor and related industries	5	4	New
21080	Provide technical guidance in the motor and related industries	5	4	New
21081	Adapt work processes to new technology in the motor and related industries	5	4	New
21082	Service and repair complex automotive systems	5	4	New

Id	Title	Level	Credit	Review Category
21083	Demonstrate knowledge of, and carry out, automotive failure analysis on systems and components	5	6	New
21084	Assess vehicle panel and/or paint damage, and prepare an estimate and/or quotation	5	4	New
21085	Interpret vehicle body and/or refinishing specifications using computer and digital imaging systems	5	4	New
21086	Analyse and interpret legal requirements relating to vehicle collision repair	5	6	New
21087	Demonstrate knowledge of vehicle insurance requirements, law, and liabilities	5	4	New
21088	Identify environmental impacts and requirements for end-of-life vehicles and/or components	5	4	New

Domain Automotive Electrical and Electronics

Id	Title	Level	Credit	Review Category
966	Make up and install electronic circuitry to suit specific applications and components	5	5	B
979	Diagnose and rectify faults in an engine flywheel ignition system	4	5	B
15375	Diagnose and repair faults in electronically controlled systems used on heavy vehicles and machines	4	8	B
21089	Demonstrate knowledge of hybrid electric vehicle (HEV) technology, and service requirements	5	6	New
21090	Demonstrate knowledge of automotive multiplex and databus applications, and diagnose faults	5	6	New
21091	Demonstrate knowledge of in-vehicle information and control systems	5	6	New
21092	Demonstrate knowledge of, and interpret, complex automotive wiring diagrams and circuitry	5	6	New
21093	Demonstrate knowledge of, and use, portable computer diagnostic equipment to test vehicle systems	5	4	New
21094	Describe removal and installation of body components in terms of electronic integrity of vehicles	5	2	New

Domain Automotive Hydraulics

Id	Title	Level	Credit	Review Category
21095	Demonstrate knowledge of, and interpret, complex automotive hydraulic diagrams and circuitry	5	6	New

Domain Automotive Pneumatics

Id	Title	Level	Credit	Review Category
21096	Demonstrate knowledge of, and interpret, complex automotive pneumatic diagrams and circuitry	5	6	New

Domain Automotive Transmission Systems

Id	Title	Level	Credit	Review Category
2321	Diagnose and rectify faults in heavy vehicle or equipment automatic transmissions Diagnose and rectify faults in heavy vehicle or equipment automatic or power shift transmissions	4	8	B

Domain Automotive Workshop Engineering

Id	Title	Level	Credit	Review Category
10102	Investigate and supervise the rectification of an automotive mechanical and/or bodywork problem	5	4	B

Domain Engine Repairs

Id	Title	Level	Credit	Review Category
11731	Identify and analyse engine components for mechanical failure Analyse engine and components for mechanical failure and/or potential failure	5	6	B
15449	Test a diesel engine on a dynamometer and determine engine condition using test results	4	4	B

Domain Panelbeating

Id	Title	Level	Credit	Review Category
5770	Identify and work on damaged motor vehicles with anti-lock braking systems (ABS)	4	5	B

Domain Vehicle Bodywork

Id	Title	Level	Credit	Review Category
21097	Demonstrate knowledge of vehicle body and structural design principles	5	6	New
21098	Describe aluminium alloy vehicle body and structural components, and determine repair requirements	5	4	New
21099	Determine the effects and report on complex damage to vehicle body systems and structure	5	6	New

Domain Vehicle Braking Systems

Id	Title	Level	Credit	Review Category
974	Diagnose and rectify faults in a car or light commercial vehicle anti-lock braking system (ABS)	5	4	B
15474	Demonstrate knowledge of, diagnose, and rectify faults in a motorcycle anti-lock braking system	5	4	B
21101	Check and rectify faults on air-braked heavy vehicle anti-lock braking and traction control systems	5	4	New

Domain Vehicle Spraypainting

Id	Title	Level	Credit	Review Category
5731	Touch up the paintwork on a vehicle using three layer pearl finishes	4	7	B
21102	Demonstrate knowledge of vehicle paint technology	5	4	New
21103	Determine a paint maintenance programme for customers	5	1	New

Domain Vehicle Steering and Suspension

Id	Title	Level	Credit	Review Category
21104	Demonstrate knowledge of fine tuning motorcycle steering, suspension, and frame	5	4	New