

FIELD ENGINEERING AND TECHNOLOGY**Reclassification, revision and rollover of *Motor Industry* unit standards**

Subfield	Domain	Id
Motor Industry	Automotive Preventative Maintenance	229, 247, 21679, 21680, 21690, 21716, 21869
	Engine Repairs	231, 243, 244, 11726, 21686-21688, 21691, 21717, 23812

The NZ Motor Industry Training Organisation (Incorporated) (MITO) has reclassified and revised the standards listed above.

Date new versions published

November 2007

Planned review date

December 2012

Reason for the revision

Over the last few years, MITO has been undertaking a review of all of its standards and qualifications (QReview). As a result of this review, several domains have been lapsed and, in some cases, replaced by new domains. A number of standards registered early in the QReview now require reclassification to bring them into line with the new classifications.

Main changes resulting from the revision

The standards registered in the Automotive Preventative Maintenance domain have been reclassified to the Automotive Preventative Maintenance domain; and standards registered in the Engine Repairs domain have been reclassified to the Engines domain.

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 Preventative Maintenance	Any	Domain	Automotive Preventative Maintenance	Same
Domain	Engine Repairs	Any	Domain	Engines	Same

Impact on Accreditation and Moderation Action Plan (AMAP)

AMAP 0014 has been updated to reflect the changes made to the standards.

Impact on existing qualifications

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

Affected	The qualification lists a revised classification (domain or subfield) in an elective set The qualification lists a standard that has changes to level or credits
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 not materially affected by the changes. They will be updated as part of the current QReview or when they are next reviewed.

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]	231, 243
National Certificate in Motor Industry (Motorcycle Engineering) [Ref: 0015]	229, 231, 243, 244
National Certificate in Motor Industry (Automotive Engineering) [Ref: 0019]	229, 231, 243, 244
National Certificate in Motor Industry (Vehicle Sales) [Ref: 0025]	229, 247
National Certificate in Motor Industry (Service Station Sales) [Ref: 0026]	229, 247
National Certificate in Motor Industry (Brake Service Engineering) [Ref: 0096]	229
National Certificate in Motor Industry (Automotive Parts and Accessories Merchandising) [Ref: 0099]	229
National Certificate in Motor Industry (Automotive Electrical Engineering) [Ref: 0137]	229, 231, 243, 247
National Certificate in Motor Industry (Automotive Servicing) [Ref: 0138]	229, 243, 247
National Certificate in Motor Industry (Diesel Fuel Injection Engineering) [Ref: 0139]	229, 231, 244
National Certificate in Motor Industry (Automotive Dismantling and Recycling) [Ref: 0170]	229
National Certificate in Motor Industry (Vehicle Grooming) [Ref: 0213]	229
National Certificate in Motor Industry (Automotive Machining) [Ref: 0371]	231, 243, 244, 11726
National Certificate in Motor Industry (Exhaust Servicing) [Ref: 0372]	229
National Certificate in Motor Industry (Outdoor Power Equipment Servicing) [Ref: 0697]	229, 231, 243, 244
National Certificate in Motor Industry (Trailer Boat Systems Engineering) (Level 3) [Ref: 0698]	231, 244
National Certificate in Motor Industry (Foundation Skills) (Level 1) [Ref: 1222]	231, 21690, 21691, 21869
National Certificate in Motor Industry (Entry Skills) (Level 2) with strands in Automotive Electrical and Mechanical, and Collision Repair [Ref: 1252]	229, 231, 243, 244, 247, 21679, 21680, 21686-21688, 21716, 21717, 21869

The following qualifications are also affected by the changes. The standard setting bodies (SSBs) have been advised that they require revision.

Qualification title	Classification or standard in the qualification	SSB Name
National Certificate in Materials Processing (Level 1) with strands in General, Plastics Injection Moulding, Plastics Extrusion, Plastics Blow Moulding, Plastics Thermoforming, Plastics Blown Film Extrusion, Plastics Film Conversion, Plastics Injection Stretch-Blow Moulding, Plastics Rotational Moulding, Plastics Film Slitting, Expanded Polystyrene Moulding, Glass Containers, and Paint Manufacturing [Ref: 1072]	Engine Repairs	Plastics and Materials Processing Industry Training Organisation Incorporated
National Certificate in Materials Processing (Level 2) with strands in General, Plastics Injection Moulding, Plastics Extrusion, Plastics Blow Moulding, Plastics Pressure Thermoforming, Plastics Vacuum Thermoforming, Plastics Blown Film Extrusion, Plastics Film Conversion, Plastics Injection Stretch-Blow Moulding, Plastics Rotational Moulding, Expanded Polystyrene Moulding, Polystyrene Pre-expansion, Glass Containers, and Paint Manufacturing [Ref: 1073]	Engine Repairs	
National Certificate in Civil Infrastructure (General Introductory Skills) [Ref: 1125]	Automotive Preventative Maintenance	InfraTrain New Zealand

The following qualifications are not materially affected by the changes. They will be updated when they are next reviewed.

Qualification title	Standard in the qualification	SSB Name
National Certificate in Snowsport with strands in Aerial Lift Operation, Road and Carpark Services, and Surface Lift Operation [Ref: 0439]	229, 247	Sfrito
National Certificate in Boatbuilding (Level 4) with strands in Marine Cabinetmaking, Composite Sparmaking, Alloy Boatbuilding, Marine Rigging, Marine Painting, Composite Boatbuilding, Steel Boatbuilding, Wooden Boatbuilding, Marine Systems Engineering, Metal Sparmaking, Composite Production Trailer Boats, and Alloy Production Trailer Boats [Ref: 0877]	231	Boating ITO
National Certificate in Commercial Road Transport (Logging Truck Driver) [Ref: 0942]	229	Tranzqual ITO

Summary of main changes

All changes are in **bold**.

Subfield Motor Industry
Domain Automotive Preventative Maintenance
Domain Automotive Preventive Maintenance

Id	Title	Level	Credit
229	Identify the general locations and functions of motor vehicle systems and main components	2	4
247	Prepare a vehicle and/or machine for use and shutdown after use	2	2
21679	Demonstrate knowledge of interchanging and balancing road wheels in the motor industry	2	2

Id	Title	Level	Credit
21680	Demonstrate knowledge of automotive lubricants and sealants	2	2
21690	Perform general servicing checks on a motor vehicle	2	3
21716	Select and apply lubricants and sealants for automotive and related industry applications	2	1
21869	Remove and replace road wheels in the motor industry	1	1

Domain Engine Repairs

Domain Engines

Id	Title	Level	Credit
231	Explain the operation of two and four stroke petrol and diesel engines	2	4
243	Carry out basic tuning on a four stroke petrol engine under supervision	2	4
244	Disassemble and reassemble a four cylinder four stroke engine to a running state	2	6
11726	Demonstrate knowledge of engine design factors and machining practices	4	20
21686	Demonstrate knowledge of automotive cooling systems	2	2
21687	Demonstrate knowledge of basic tuning on a four stroke petrol engine	2	3
21688	Demonstrate knowledge of disassembling and reassembling a four stroke multi-cylinder engine	2	3
21691	Disassemble and reassemble a single cylinder or multi-cylinder four stroke engine under supervision	1	2
21717	Service automotive cooling systems	2	3
23812	Demonstrate knowledge of competition race vehicle engine performance modification requirements and practices	5	7