

Field Engineering and Technology, Manufacturing

Revision of *Motor Industry* and *Industrial Textile Fabrication* unit standards

| Subfield | Domain | ID |
|--------------------------------|---|-----------------------------------|
| Motor Industry | Automotive Electrical and Electronics | 24131, 30878, 31047, 31418, 31420 |
| | Automotive Heating, Ventilation, and Air Conditioning | 31124 |
| | Automotive Preventative Maintenance | 2322 |
| | Motor Industry - Introductory Skills | 21857 |
| | Vehicle Braking Systems | 24420, 30517 |
| | Vehicle Steering and Suspension | 972, 31935 |
| Industrial Textile Fabrication | Industrial Textile Fabrication Core Skills | 23481, 23497 |

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

Date new versions published

December 2021

Planned review date

No change

Summary

The revision process was held to make amendments to the unit standards prior to a review taking place, to correct defects in the unit standards.

Main changes

- Guidance information, performance criteria and range statements have been updated to reflect correct industry terminology and legislation, and to correct defects in the unit standards.
- Titles of unit standards 21857, 23481, 31047 and 31935 were changed to align to unit standard outcomes.

Detailed list of unit standards – classification, title, level, and credits

Engineering and Technology > Motor Industry > Automotive Electrical and Electronics

| ID | Title | Level | Credit |
|-----------|---|--------------|---------------|
| 24131 | Demonstrate knowledge of electronic components and their application in the automotive industry | 3 | 5 |
| 30878 | Service traction batteries | 4 | 3 |
| 31047 | Diagnose and repair electronically controlled steering and suspension system faults Diagnose and repair steering and suspension system faults | 4 | 10 |
| 31418 | Diagnose faults and replace an auxiliary motor in an electric vehicle | 5 | 10 |
| 31420 | Diagnose and repair cooling system faults in electric vehicles | 5 | 10 |

Engineering and Technology > Motor Industry > Automotive Heating, Ventilation, and Air Conditioning

| ID | Title | Level | Credit |
|-------|--|-------|--------|
| 31124 | Diagnose and repair faults in an automotive climate control system | 4 | 6 |

Engineering and Technology > Motor Industry > Automotive Preventative Maintenance

| ID | Title | Level | Credit |
|------|---|-------|--------|
| 2322 | Carry out general service checks on heavy vehicles or equipment | 3 | 4 |

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

| ID | Title | Level | Credit |
|-------|---|-------|--------|
| 21857 | Identify the occupational areas and structure of the New Zealand motor industry Identify the occupational areas and purpose of the New Zealand motor industry | 2 | 2 |

Engineering and Technology > Motor Industry > Vehicle Braking Systems

| ID | Title | Level | Credit |
|-------|--|-------|--------|
| 24420 | Demonstrate knowledge of hydraulic brakes and testing hydraulic brakes on heavy vehicles or machines | 3 | 2 |
| 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 |
|-------|--|-------|--------|
| 972 | Repair track gear systems on machines | 4 | 5 |
| 31935 | Check and rectify wheel alignment faults on heavy vehicles and trailer units Check and rectify wheel alignment faults on heavy vehicles and trailers | 4 | 14 |

Manufacturing > Industrial Textile Fabrication > Industrial Textile Fabrication Core Skills

| ID | Title | Level | Credit |
|-------|---|-------|--------|
| 23481 | Demonstrate knowledge of seaming and hemming work in the industrial textile fabrication industry Describe seaming and hemming work in the industrial textile fabrication industry | 3 | 4 |
| 23497 | Demonstrate knowledge of zips used in the industrial textile fabrication industry | 3 | 4 |