

**Field**      **Engineering and Technology**

**Review of *Automotive Electrical and Electronics* unit standards**

<b>Subfield</b>	<b>Domain</b>	<b>ID</b>
Motor Industry	Automotive Electrical and Electronics	30875, 30879

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

**Date new versions published**

**June 2019**

**Planned review date**

**December 2023**

**Summary**

MITO has reviewed the unit standards listed above and developed new unit standards at the request of industry.

The unit standards were reviewed and developed to align with the New Zealand Certificate in Electric Vehicle Automotive Engineering (Level 5) [Ref: 3915].

This review has resulted in fit-for-purpose assessment content being made available to industry that reflects current legislation and industry practice.

MITO's electric vehicle automotive engineering industry working group endorsed the unit standard review. The working group includes subject matter experts and representatives from industry, and MITO.

**Main changes**

- Unit standard 30875 was reviewed to expand the rectification of potential faults that this covers beyond removing and replacing high voltage battery or battery banks.
- Unit standard 30879 was reviewed and replaced by two new unit standards to separate the competencies based on the requirements of industry.
- A new unit standard was developed to support the electric vehicle automotive engineering industry training requirements.

**Category C unit standards will expire at the end of December 2020**

**The last date for assessment of superseded versions of Category B unit standards is December 2020**

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

All changes are in **bold**.

<b>Key to review category</b>	
<b>A</b>	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number
<b>B</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
<b>C</b>	Major changes that necessitate the registration of a replacement standard with a new ID
<b>D</b>	Standard will expire and not be replaced

Engineering and Technology > Motor Industry > Automotive Electrical and Electronics

ID	Title	Level	Credit	Review Category
30875	Service hybrid electric and battery electric vehicle or machine high voltage systems <b>Diagnose and rectify faults in hybrid electric and battery electric vehicle or machine high voltage systems</b>	4	5	B
30879  31807  31808	Demonstrate knowledge of hybrid electric and battery electric vehicle or machine systems and safety <b>Demonstrate knowledge of hybrid and battery electric vehicle or machine high voltage systems operation and safety</b> <b>Describe hybrid and battery electric vehicle or machine high voltage system fault diagnosis and rectification methods</b>	4  4  4	5  3  3	C
31806	<b>Prepare to work safely on or around hybrid electric vehicle and battery electric vehicle or machine high voltage systems</b>	4	2	New