

Field: Automotive Engineering and Technology

Change report for the review of Automotive Engineering and Technology New Zealand Qualifications

Reviewed qualifications

[Ref]	Version	Qualification title	Level	Credits
3097	1	New Zealand Certificate in Automotive Engineering	3	120
3118	1	New Zealand Certificate in Heavy Automotive Engineering with strands in Road Transport, Plant and Equipment, Agricultural Equipment, and Materials Handling	4	240
3119	1	New Zealand Certificate in Heavy Automotive Engineering	5	80
3447	1	New Zealand Certificate in Motorcycle Engineering	4	160
3448	1	New Zealand Certificate in Motorcycle Engineering	5	70
3450	1	New Zealand Certificate in Light Automotive Engineering	4	200
3451	1	New Zealand Certificate in Light Automotive Engineering	5	70
3460	2	New Zealand Certificate in Automotive Electrical Engineering	4	190
3461	1	New Zealand Certificate in Automotive Electrical Engineering	5	70
3915	1	New Zealand Certificate in Electric Vehicle Automotive Engineering	5	70

Review information

Qualification Developer	Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council
Reason for the review	5 year scheduled review
Review date	July 2022
Outcome date	October 2027
Next review date	October 2027

Summary of review and consultation process

The scheduled review of these qualifications was initiated five years after listing (excluding [Ref: 3460] which has been included with the rest of the automotive suite).

After an initial project plan was established, engagement with industry and providers began with ongoing meetings and consultation taking place. Industry confirmed that the qualifications are suitable for the range of automotive sub sectors requirements with several changes being proposed to the qualification suite. Industry reengagement was carried out in late 2021 to continue working through the consultation feedback.

A final consultation period was held in June 2022. This confirmed the consultation drafts as final, and reflective of the needs of industry.

Main changes resulting from the review

Changes applied across all qualifications included:

- The strategic purpose statements were amended to clarify the purpose of the qualifications.
- The evidence requirements for assuring consistency and general conditions were updated to reflect current listing requirements.
- Hanga-Aro-Rau Workforce Development Council assumed Standard Setting Body status.

Specific changes:

New Zealand Certificate in Automotive Engineering (Level 3) [Ref: 3097]:

- GPO 3 was adjusted to “vehicle systems” rather than specifying the systems to allow for application across entry level automotive positions and not restricting learners who may not cover certain systems.
- GPO 5 was combined into GPO 3 under “vehicle systems”.
- GPO 3 credits were increased from 30 to 55 to accommodate sufficient learning and assessment time for the content covered.
- The education pathway was updated to specify different suitable pathways for graduates of this qualification depending on which industry they wish to move into.

New Zealand Certificate in Heavy Automotive Engineering (Level 4) with strands in Road Transport, Plant and Equipment, Agricultural Equipment, and Materials Handling [Ref: 3118]:

- GPOs were amended to “diagnose”, rather than “service” which is instead covered by the New Zealand Certificate in Automotive Engineering (Level 3) [Ref: 3097].
- Indicative credit values for each GPO were reviewed to ensure these reflect appropriate learning and assessment time.
- The education pathway was updated to specify different suitable pathways for graduates of this qualification depending on which industry they wish to move into.
- The employment pathway was updated to specify particular roles graduates of this qualification could hold.

New Zealand Certificate in Heavy Automotive Engineering (Level 5) [Ref: 3119]

- GPO 2 was removed as this no longer reflected the needs of industry.
- GPOs were rewritten to strengthen the intent, and specifically remove the repair function as industry determined that the focus at Level 5 is in the complexity of the system fault and monitoring and controlling the repair, rather than carrying out the repair itself. Indicative credits were allocated to the GPOs accordingly.

New Zealand Certificate in Motorcycle Engineering (Level 4) [Ref: 3447]

- GPO 2 was amended to “diagnosing” rather than “servicing” to align with subsequent GPOs.
- GPO 2 was amended to remove “high risk” as the focus is on all motorcycle systems covered by subsequent GPOs.

New Zealand Certificate in Motorcycle Engineering (Level 5) [Ref: 3448]

- GPOs 2, 3 and 4 were combined into GPO 5 to align with industry needs moving forward and to focus on diagnosis and repair of complex system faults.
- Qualification credits were increased from 70 to 80.

New Zealand Certificate in Light Automotive Engineering (Level 4) [Ref: 3450]

- GPO 2 was amended to “diagnosing” rather than “servicing” to align with subsequent GPOs.

New Zealand Certificate in Light Automotive Engineering (Level 5) [Ref: 3451]

- GPO 2 was amended to remove the repair function as industry determined that the focus at Level 5 is in the complexity of the system fault and monitoring and controlling the repair, rather than carrying out the repair itself.
- Qualification credits were increased from 70 to 80.

New Zealand Certificate in Automotive Electrical Engineering (Level 4) [Ref: 3460]

- No major changes.

New Zealand Certificate in Automotive Electrical Engineering (Level 5) [Ref: 3461]

- GPOs 2 and 3 were combined to align the similar skill requirements resulting in GPO 5.
- GPO 4 was amended to emphasise faults and electrical systems at Level 5 to be complex, in comparison to the diagnosis and repair outcomes in the New Zealand Certificate in Automotive Electrical Engineering (Level 4) [Ref: 3461]. Credits were increased to recognise the learning and assessment time required to meeting the GPO.
- Existing GPO 5 was removed as emerging technologies are now recognised within the New Zealand Certificate in Electric Vehicle Automotive Engineering (Level 5) [Ref: 3915] as a specialist area of automotive engineering.
- Qualification credits were increased from 70 to 80.

New Zealand Certificate in Electric Vehicle Automotive Engineering (Level 5) [Ref: 3915]

- GPO 2 was amended to ensure clarity of learning and assessment requirements.

Review outcome

Reference	Version	Reviewed qualification	Outcome category	New qualification details/version (if applicable)
3097	1	New Zealand Certificate in Automotive Engineering (Level 3)	<i>B-New version of qualification</i>	3097-2
3118	1	New Zealand Certificate in Heavy Automotive Engineering (Level 4) with strands in Road Transport, Plant and Equipment, Agricultural Equipment, and Materials Handling	<i>B-New version of qualification</i>	3118-2
3119	1	New Zealand Certificate in Heavy Automotive Engineering (Level 5)	<i>B-New version of qualification</i>	3119-2
3447	1	New Zealand Certificate in Motorcycle Engineering (Level 4)	<i>B-New version of qualification</i>	3447-2
3448	1	New Zealand Certificate in Motorcycle Engineering (Level 5)	<i>B-New version of qualification</i>	3448-2
3450	1	New Zealand Certificate in Light Automotive Engineering (Level 4)	<i>B-New version of qualification</i>	3450-2
3451	1	New Zealand Certificate in Light Automotive Engineering (Level 5)	<i>B-New version of qualification</i>	3451-2
3460	2	New Zealand Certificate in Automotive Electrical Engineering (Level 4)	<i>B-New version of qualification</i>	3460-3

3461	1	New Zealand Certificate in Automotive Electrical Engineering (Level 5)	<i>B-New version of qualification</i>	3461-2
3915	1	New Zealand Certificate in Electric Vehicle Automotive Engineering (Level 5)	<i>B-New version of qualification</i>	3915-2

Qualification review outcome categories

Outcome	Result	Category
No changes are identified to the qualification	Qualification version number and NZQF ID remain the same. New review date is required.	A
Minor changes are identified to the qualification	New version of qualification is required (NZQF ID remains the same). New review date is required.	B
Significant changes are required to the qualification	New replacement qualification is required with a new NZQF ID. The existing qualification will expire.	C
The qualification is no longer required by industry	The qualification will expire with no replacement.	D

Transition information

Reference	Version	Qualification title	Last date of entry*	Last date of assessment
3097	1	New Zealand Certificate in Automotive Engineering (Level 3)	N/A	31 December 2025
3118	1	New Zealand Certificate in Heavy Automotive Engineering (Level 4) with strands in Road Transport, Plant and Equipment, Agricultural Equipment, and Materials Handling	N/A	31 December 2025
3119	1	New Zealand Certificate in Heavy Automotive Engineering (Level 5)	N/A	31 December 2025
3447	1	New Zealand Certificate in Motorcycle Engineering (Level 4)	N/A	31 December 2025
3448	1	New Zealand Certificate in Motorcycle Engineering (Level 5)	N/A	31 December 2025
3450	1	New Zealand Certificate in Light Automotive Engineering (Level 4)	N/A	31 December 2025
3451	1	New Zealand Certificate in Light Automotive Engineering (Level 5)	N/A	31 December 2025
3460	2	New Zealand Certificate in Automotive Electrical Engineering (Level 4)	N/A	31 December 2025
3461	1	New Zealand Certificate in Automotive Electrical Engineering (Level 5)	N/A	31 December 2025
3915	1	New Zealand Certificate in Electric Vehicle Automotive Engineering (Level 5)	N/A	31 December 2025

**only required for outcome category C or D*

Any additional information

It is the intention of Hanga-Aro-Rau that no existing trainee should be disadvantaged by these transition arrangements. Anyone who feels that they have been disadvantaged by these transition arrangements may appeal to Hanga-Aro-Rau at the address below. Appeals will be considered on a case-by-case basis.

Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council
PO Box 445
Wellington 6140

Phone: 04 909 0255

Email: qualifications@hangaarorau.nz

Website: <https://www.hangaarorau.nz/>