

## Field: Manufacturing

### Review of *Energy and Chemical* New Zealand Qualifications

#### Reviewed qualifications

Ref	Version	Qualification Title	Credits
4128	1	New Zealand Certificate in Energy and Chemical Process Operations (Level 3) with optional strand in Boiler Operations	65 - 100
2307	2	New Zealand Certificate in Energy and Chemical Field Operations (Level 4) with strands in Advanced Steam Generation Plant Operation, Chemical Plant Operation, Geothermal Plant Operation, Petrochemical Plant Operation, and Petrochemical Transfer and Storage (with optional strands in Gas Turbine Operation, and Steam Turbine Operation)	60 - 80
2308	2	New Zealand Certificate in Energy and Chemical Process Operations (Level 5)	90

#### Review information

Qualification Developer	Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council
Reason for the development/review	Scheduled 5 year review
Review date	October 2024
Outcome date	November 2024
Next review date	30 November 2029

Summary of review and consultation process
<p>Hanga-Aro-Rau Manufacturing, Engineering, and Logistics Workforce Development Council met with employers and Te Pūkenga subsidiaries between September 2023 and June 2024 to review the qualifications listed above, and associated unit standards.</p> <p>A Qualifications Advisory Group (QAG) of industry representatives was established to inform the review. Online meetings for the QAG were held to discuss industry training needs. The QAG confirmed that the Level 3, 4 and 5 qualifications were generally working as intended and remain fit for purpose with some minor changes required. The group also identified a need for a foundation level micro-credential to encourage new or potential entrants into the energy and chemical industry, including secondary school learners/ākonga and Aotearoa New Zealand citizens not yet engaged in education, employment or training.</p>
Main changes resulting from the review process
<p><b>All qualifications:</b></p> <p>Qualification award statement, evidence for consistency, specifications and transition information have been updated to reflect the change in standard setting body to Hanga-Aro-Rau Manufacturing, Engineering, and Logistics Workforce Development Council.</p> <p><b>New Zealand Certificate in Energy and Chemical Process Operations (Level 3) with optional strand in Boiler Operations [Ref: 4128]</b></p> <p>Minor amendments to Strategic Purpose Statement in relation to boiler size requirements to accommodate for technological advancements in the industry.</p>

**New Zealand Certificate in Energy and Chemical Field Operations (Level 4) with strands in Advanced Steam Generation Plant Operation, Chemical Plant Operation, Geothermal Plant Operation, Petrochemical Plant Operation, and Petrochemical Transfer and Storage (with optional strands in Gas Turbine Operation, and Steam Turbine Operation) [Ref: 2307]**

Minor amendments to credit calculations to include optional strands and phrasing in general conditions and other requirements.

**New Zealand Certificate in Energy and Chemical Process Operations (Level 5) [Ref: 2308]**

Minor amendments to Strategic Purpose Statement and Education Pathway section to include '*senior personnel*' to reflect those undertaking this qualification employed as senior managers rather than operating personnel.

## Review outcome

Ref:	Version	Qualification Title	Outcome category	New qualification ID/version (as applicable)
4128	1	New Zealand Certificate in Energy and Chemical Process Operations (Level 3) with optional strand in Boiler Operations	B-New version of qualification	4128 - 2
2307	2	New Zealand Certificate in Energy and Chemical Field Operations (Level 4) with strands in Advanced Steam Generation Plant Operation, Chemical Plant Operation, Geothermal Plant Operation, Petrochemical Plant Operation, and Petrochemical Transfer and Storage (with optional strands in Gas Turbine Operation, and Steam Turbine Operation)	B-New version of qualification	2307-3
2308	2	New Zealand Certificate in Energy and Chemical Process Operations (Level 5)	B-New version of qualification	2308 - 3

## Qualification review outcome categories

Outcome	Result	Category
Minor changes to the qualification	Qualification version number and ID (Ref) remain the same. New review date is required.	A
Moderate changes to the qualification	New qualification version number. Ref/ID remains the same. New review date is required.	B
Significant changes to the qualification	New replacement qualification with a new Ref/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

Ref:	Version	Qualification Title	Last date of entry*	Last date of assessment
4128	1	New Zealand Certificate in Energy and Chemical Process Operations (Level 3) with optional strand in Boiler Operations	N/A	31/12/2027
2307	2	New Zealand Certificate in Energy and Chemical Field Operations (Level 4) with strands in Advanced Steam Generation Plant Operation, Chemical Plant Operation, Geothermal Plant Operation, Petrochemical Plant Operation, and Petrochemical Transfer and Storage (with optional strands in Gas Turbine Operation, and Steam Turbine Operation)	N/A	31/12/2027
2308	2	New Zealand Certificate in Energy and Chemical Process Operations (Level 5)	N/A	31/12/2027

*\*only required for outcome category C or D*

## Any additional information, including Qualification Developer contact details

It is anticipated that no existing candidates will be disadvantaged by these transition arrangements. However, anyone who feels that they have been disadvantaged may appeal to Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council at the address below. Appeals will be considered on a case-by- case basis.

For further information contact the Qualification Developer:

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

Phone: 04 909 0255

Email: [info@hangaarorau.nz](mailto:info@hangaarorau.nz)

Website: [www.hangaarorau.nz](http://www.hangaarorau.nz)