

**FIELD                    ENGINEERING AND TECHNOLOGY****Review of *Mechanical Engineering* qualification****National Certificate in Engineering - Fabrication (Level 4) with strands in Heavy Fabrication, Light Fabrication, and Welding [Ref: 0122]**

Competenz has completed the review of the qualification listed above.

**Date new versions published****September 2009**

The next qualification review is planned to take place during 2014.

**Summary of review and consultation process**

The qualification has been reviewed as a result of a review of the unit standards in both the Fabrication and Welding domains. The review resulted in the removal of the Welding strand from this qualification as it does not meet the fabrication industry's requirements. Qualifications for specialist welders are under development. The Steel Construction strand was added to meet the requirements of that branch of fabrication.

Following a period of consultation with industry experts, assessors, training providers and the fabrication industry, changes were made based on feedback received.

In June 2008, Competenz met with fabrication tutors from various Polytechnics around New Zealand to discuss the off-job component of the qualification. All recommendations and suggestions had been taken into account during the review of this qualification.

The Sector Advisory Group endorsed the qualification in March 2009.

**Main changes resulting from the review**

National Certificate in Engineering - Fabrication (Level 4) with strands in Heavy Fabrication, Light Fabrication, and Welding [Ref: 0122]

**National Certificate in Engineering - Fabrication (Level 4) with strands in Heavy Fabrication, Light Fabrication, and Steel Construction [Ref: 0122]**

Review category	<b>B</b>	See <a href="#">Key to Qualification Review Categories</a> at the end of report
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**Changes to structure and content**

- Welding strand was removed from this qualification as it did not fulfil industry needs.
- Steel Construction strand was added to this qualification in response to industry demand.
- Title changed to National Certificate in Engineering - Fabrication (Level 4) with strands in Heavy Fabrication, Light Fabrication, and Steel Construction.
- Core Elective section was replaced by the new Core Elective A and Core Elective B.
- Strand Elective sections were removed from the qualification.
- Total credits for the qualification changed from 269-285 to 252 or 268.
- The content of all sections of the qualification was changed to fulfil current industry requirements and standards were updated to reflect changes made at the last review.

- Structure and standards were changed to rationalise assessments of practical skills, and to more clearly distinguish between heavy and light fabrication strands.
- New standards on Computer Numerical Control, Cutting and Gouging, Pressure Vessels, Steel Construction and Pattern Developments were added.
- New structure enables more clearly defined off-job learning program for fabrication apprentices.

## Transition

People working towards version 4 of this qualification may either complete the requirements for that version or transfer their result to version 5. All new apprentices will be enrolled in version 5. Apprentices who were enrolled in version 4 from June 2008 will be transferred to version 5. Apprentices who were enrolled earlier should complete version 4 prior to 31 December 2014.

The last day for assessment against unit standards towards versions 3 and 4 of this qualification is 31 December 2014.

This qualification contains standards that replace earlier standards. For the purposes of this qualification people who have gained credit for the earlier standards are exempt from the requirement to gain credit for the replacement standards – see table.

<b>Credit for</b>	<b>Exempt from</b>
2414	4435
2414, 2416, 2417	25075
2415	25075
2416	2387, 21909
2418, 2419, 2420, 2421	25704, 25706
2418, 2419, 2420, 2421	25704, 25707
2422	25874
2422, 2423, 2424, 2425	25705, 25708
2423	25698
2423	25699
2423, 2424, 2425, 18107	25705, 25709
2424	25700
2424	25701
2425	25702
2425	25703
2670	21907

Credit for	Exempt from
2672, 2682	22906
2824	21911, 21912
4432, 16954	21905
4795	20917
4796	20799
12299	21913
18106	25783
18107	25875

These exemptions will be available up to 31 December 2015.

Competenz will publicise these arrangements on the Competenz website <http://www.competenz.org.nz/>, in newsletters, and by direct contact with affected parties.

It is the intention of Competenz that no existing candidate is disadvantaged by these transition arrangements. Any person who considers they have been disadvantaged is requested to contact Competenz at the address below.

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### Key to Qualification Review Categories

<b>Category A</b> The qualification is published as a new version with the same NQF ID	Changes are made to SSB name, contact details or purpose statement
	No change is made to title, rules or components of the qualification
	No transition arrangements are required
<b>Category B</b> The qualification is published as a new version with the same NQF ID	Changes are made to title, rules or components
	The new version of the qualification recognises a similar skill set to that recognised by the previous version
	The SSB is confident that people awarded the new or previous version are comparable in terms of competence
<b>Category C</b> A new (replacement) qualification is published with new NQF ID	Transition arrangements are required if candidates must gain additional/different credits for the new version
	Significant changes are made to the qualification in terms of components, structure, type or level
	The SSB views people with the replacement qualification as being significantly different in terms of competence from those with the replaced qualification
	Transition arrangements are required
<b>Category D</b> Qualification will expire. There is no replacement qualification	Transition may be limited to phase-out dates
	Qualification is no longer required by industry
	The qualification is designated as expiring and a last date for meeting the qualification requirements is set