

**FIELD                    MANUFACTURING; ENGINEERING AND TECHNOLOGY****Review of *Manufacturing and Mechanical Engineering* qualifications****National Certificate in Manufacturing and Mechanical Engineering (Level 1)****[Ref: 0126]****National Certificate in Manufacturing and Mechanical Engineering (Level 2)****[Ref: 0127]****National Certificate in Manufacturing and Mechanical Engineering (Level 3)****[Ref: 0128]****National Certificate in Manufacturing and Mechanical Engineering (Level 4)****[Ref: 0750]**

Competenz has completed the review of the qualifications listed above.

**Replacement qualifications**

National Certificate in Manufacturing (Metal and Related Products) (Level 2) [Ref: 1386]

National Certificate in Manufacturing (Metal and Related Products) (Level 3) [Ref: 1387]

National Certificate in Manufacturing (Metal and Related Products) (Level 4) [Ref: 1388]

**Date new versions published****June 2008**

The next qualification review is planned to take place during 2013.

**Summary of review and consultation process**

These qualifications were last registered in 1999 and 2000, and their review was begun in 2003 in conjunction with a review of standards in the Manufacturing Processes domain. Consultation with industry highlighted the need for changes in a number of areas:

- improved focus on the target industries;
- incorporation of competitive manufacturing standards;
- flexibility in the use of basic employment and communication skills;
- improved focus on current industry job roles;
- removal of overlap with other qualifications.
- significant alteration of qualification structure and credit requirements (old structure and requirements did not meet or address real training needs and prevented trainee progress on a realistic pathway).

As the development proceeded it became clear that industry would be best served by replacing the existing qualifications, and by focussing on entry level production workers at Level 2, experienced production workers at Level 3, and Supervisors and Team Leaders at Level 4. Consultation included representatives from both large and small to medium manufacturers of metal and related products; the Engineering, Printing and Manufacturing Union; providers, assessors, moderators; and New Zealand Industry Training Organisation (NZITO), Plastics and Materials Processing Industry Training Organisation (PAMPITO), Electro Technology Industry Training Organisation (ETITO), Forest Industries Training (FITEC), Apparel and Textile Industry Training Organisation (ATITO).

The qualifications were endorsed by industry on 27 October 2007.

National Certificate in Manufacturing and Mechanical Engineering (Level 1) [Ref: 0126]  
 National Certificate in Manufacturing and Mechanical Engineering (Level 2) [Ref: 0127]  
**National Certificate in Manufacturing (Metal and Related Products) (Level 2)**  
**[Ref: 1386]**

Review category	<b>C</b>	See <a href="#">Key to Qualification Review Categories</a> at the end of report
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These qualifications have been replaced by the National Certificate in Manufacturing (Metal and Related Products) (Level 2) [Ref: 1386].

#### Summary of differences between qualifications

- New qualification title reflects current nature of the industry.
- New qualification credit total is 54, changed from 50 credits in Q0126 and 130 credits in Q0127
- Standards 2395, 3483, 4249, 4433, 8491, 9677, 17593, 19506, 20917, 21329 and 21330 have been added to the compulsory section.
- Optional standards including 8489 and 10790 have been included in the new qualification.
- Elective B of Q0126 and electives B and C of Q0127 have not been included in the new qualification.

#### Transition

All new trainees will be enrolled in programmes leading to the award of the new qualification.

People currently working towards the National Certificate in Manufacturing and Mechanical Engineering (Level 1) [Ref: 0126] or the National Certificate in Manufacturing and Mechanical Engineering (Level 2) [Ref: 0127] are encouraged to complete those qualifications by 2012. The last date for award will be 31 December 2012. Alternatively they may transfer their credits to this qualification.

Whilst these provisions should cater for most situations, the following exemptions are available for those who need to transfer to this qualification. The table includes exemptions arising from earlier replacements of standards.

Credit for	Exempt from
2824	17593
4795	20917

These exemptions will be available up to 31 December 2012.

National Certificate in Manufacturing and Mechanical Engineering (Level 3) [Ref: 0128]  
**National Certificate in Manufacturing (Metal and Related Products) (Level 3)**  
**[Ref: 1387]**

Review category	<b>C</b>	See <a href="#">Key to Qualification Review Categories</a> at the end of report
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This qualification has been replaced by the National Certificate in Manufacturing (Metal and Related Products) (Level 3) [Ref: 1387].

#### Summary of differences between qualifications

- New qualification title reflects current nature of the industry.
- New qualification credit total is 65, changed from 210 credits in Q0128
- Standards 497, 4810, 9677, 10791, 17593, 19506, 20799, 20917, 21329, 21330 and 21332 have been added to compulsory section.
- Compulsory standards 1279, 1307, 2990 and 8489 from Q0128 have not been included in the new qualification.
- The new qualification contains a single elective.

#### Transition

All new trainees will be enrolled in programmes leading to the award of the new qualification.

People currently working towards the National Certificate in Manufacturing and Mechanical Engineering (Level 3) [Ref: 0128] are encouraged to complete that qualification by 2012. The last date for award will be 31 December 2012. Alternatively they may transfer their credits to this qualification.

Whilst these provisions should cater for most situations, the following exemptions are available for those who need to transfer to this qualification. The table includes exemptions arising from earlier replacement of standards.

Credit for	Exempt from
1307	9677
2824	17593
4795	20917
4796	20799
8489	21330

These exemptions will be available up to 31 December 2012.

National Certificate in Manufacturing and Mechanical Engineering (Level 4) [Ref: 0750]  
**National Certificate in Manufacturing (Metal and Related Products) (Level 4)**  
**[Ref: 1388]**

Review category	<b>C</b>	See <a href="#">Key to Qualification Review Categories</a> at the end of report
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This qualification has been replaced by the National Certificate in Manufacturing (Metal and Related Products) (Level 4) [Ref: 1388].

### Summary of differences between qualifications

- New qualification title reflects current nature of the industry.
- New qualification credit total is 77, changed from 280 credits in Q750.
- Standards 112, 1985, 2990 and 8489 have not been included in the new qualification.
- The new qualification contains a single elective.

### Transition

All new trainees will be enrolled in programmes leading to the award of the new qualification

People currently working towards the National Certificate in Manufacturing and Mechanical Engineering (Level 4) [Ref: 0750] are encouraged to complete that qualification by 2012. The last date for award will be 31 December 2012. Alternatively they may transfer their credits to this qualification.

Whilst these provisions should cater for most situations, the following exemptions are available for those who need to transfer to this qualification. The table includes exemptions arising from earlier replacements of standards.

<b>Credit for</b>	<b>Exempt from</b>
1985	16342
2990	1279
5616	10425
9679	11101
4796	20799

These exemptions will be available up to 31 December 2012.

It is not intended that anyone be disadvantaged by this review and the above arrangements have been designed for a smooth transition. However, anyone who feels they have been disadvantaged may appeal to Competenz at the address below.

Competenz  
PO Box 62 517  
KALMIA STREET  
Auckland 1544

## 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
	Transition arrangements are required if candidates must gain additional/different credits for the new version
<b>Category C</b> A new (replacement) qualification is published with new NQF ID	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
	Transition may be limited to phase-out dates
<b>Category D</b> Qualification will expire. There is no replacement qualification	Qualification is no longer required by industry
	The qualification is designated as expiring and a last date for meeting the qualification requirements is set