

National Certificate in Competitive Manufacturing with strands in Introductory Application, and Technical Application

Level 2 or 3

Credits 40 or 50

This qualification has been **reviewed**. The last date to meet the requirements is 31 December 2019.

Transition Arrangements

This qualification was republished in August 2016 to reflect the change in classification.

This qualification has been reviewed and replaced by New Zealand Certificate in Competitive Systems and Practices (Level 3) [Ref: 2998].

Last date for entry into the replaced qualifications is 31 December 2017.

Last date for award of the replaced qualifications is 31 December 2019.

It is recommended that candidates currently enrolled in the replaced National Certificates in Competitive Manufacturing who will be unable to complete the qualifications by the 31 December 2019 transfer to the New Zealand Certificates listed above.

For detailed information see [Review Summaries](#) on the NZQA website.

This qualification contains an expiring classification in the Introductory Application Strand that has been replaced. For the purposes of this qualification, people who have gained credit for the replacement classification are exempt from the requirement to gain credit for the expiring classification.

Credit from the replacement classification	Treated as credit from the replaced classification
<i>Manufacturing > Manufacturing Skills > Competitive Systems and Practices</i>	<i>Manufacturing > Manufacturing Skills > Competitive Manufacturing</i>

NQF Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	December 2005	December 2011
Revision	2	November 2008	December 2019
Review	3	October 2015	December 2019
Republication	3	August 2016	December 2019

Standard Setting Body

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Reviewed

National Certificate in Competitive Manufacturing with strands in Introductory Application, and Technical Application

Level 2 or 3

Credits 40 or 50

Purpose

This qualification is for employees new to competitive manufacturing. The qualification recognises the candidate's knowledge of and skills with competitive manufacturing systems within either an introductory or technical application. The Introductory Application strand allows operators to become actively involved in the development and implementation of processes and systems that will improve reliability, availability and condition of equipment while also significantly improving production capacity and product quality. The Technical Application strand allows those moving directly to technical support and leadership roles to develop skills to support the implementation of competitive manufacturing.

The qualification is designed to afford the maximum scope for career development within a range of processing industry disciplines that may include administration, production, and value chain support areas. Training in competitive manufacturing will benefit people working in all areas of New Zealand manufacturing; including the dairy, food and related products, electricity supply, furniture, plastics and materials, printing, seafood and wood manufacturing industries, and the apparel and textile sectors.

Holders of this national certificate can progress to the National Certificate in Competitive Manufacturing (Level 4) with an optional strand in Facilitation [Ref: 1216].

This qualification has been registered on the National Qualifications Framework (NQF) in line with the objectives of the Ministerial Declaration of Confidence - 'Mutual Recognition of Vocational Education and Training Qualifications between Australia and New Zealand' and has been endorsed by the Competitive Manufacturing Consortium in New Zealand.

Special Notes

The Manufacturing Industry Skills Council (previously the Manufacturing, Engineering and Related Services Industry Training Advisory Body (MERSITAB)) developed the competency standards in this qualification as part of the *MSA07 Manufacturing* training package. Full details of training packages can be accessed at the National Training Information Service website: <http://www.ntis.gov.au>.

The Competitive Manufacturing Consortium in New Zealand, which is managed by the Competenz, is made up of eight Industry Training Organisations (ITOs) which have cooperated in the development of this qualification. For more information on the consortium or the Australian [MSA31108 Certificate III in Competitive Manufacturing](#) please contact the Competenz Curriculum Development Manager (details on page 5).

This qualification includes NQF standards (Australian) that are based on the Australian *MSA07 Manufacturing* training package. Full details of the Australian training packages can be accessed at the Australian National Training Information Service website: <http://www.ntis.gov.au>. The Technical Application strand of this qualification has been designed to meet the requirements of the Australian Qualifications Framework [Certificate III](#).

To suit the New Zealand context however, the requirements of this national certificate differ in some respects from Certificate III. Whilst the qualifications are deemed equivalent for employment purposes, holders of Certificate III may be required to undertake some additional training and/or assessment in order to be awarded this national certificate.

Credit Range

	Core Compulsory	Introductory Application	Technical Application
Level 2 credits	5	0-19	-
Level 3 credits	16	0-19	0-15
Level 4 credits	-	-	14-29
Minimum totals	21	19	29
Total for qualification with strand		40	50
Level of qualification with strand		2	3

Requirements for Award of Qualification

Award of NQF Qualifications

Credit gained for a standard may be used only once to meet the requirements of this qualification.

Unit standards and achievement standards that are equivalent in outcome are mutually exclusive for the purpose of award. The table of mutually exclusive standards is provided in section 7 of the New Zealand Qualifications Authority (NZQA) Rules and Procedures publications available at <http://www.nzqa.govt.nz/ncea/acrp/index.html>.

Reviewed standards that continue to recognise the same overall outcome are registered as new versions and retain their identification number (ID). Any version of a standard with the same ID may be used to meet qualification requirements that list the ID and/or that specify the past or current classification of the standard.

Summary of Requirements

- Core Compulsory standards

One of the following strands is required

- Introductory Application Strand
- Technical Application Strand

Detailed Requirements

Core Compulsory

The following standards are required

Manufacturing > Manufacturing Skills > Competitive Manufacturing

ID	Title	Level	Credit
21501	Apply competitive manufacturing practices in a competitive manufacturing organisation	2	5
21502	Sustain process improvements in a competitive manufacturing organisation	3	3
21503	Manage the impact of change on own work in a competitive manufacturing organisation	3	3
21507	Interpret product costs in a competitive manufacturing organisation	3	5
21515	Undertake root cause analysis in a competitive manufacturing organisation	3	5

Introductory Application Strand

A minimum of 19 credits at Level 2 to Level 3

Business > Management > Quality Management

ID	Title	Level	Credit
8087	Use core quality management tools	3	5

Manufacturing > Manufacturing Skills > Manufacturing Processes

ID	Title	Level	Credit
21332	Demonstrate basic knowledge of establishing improvements in a manufacturing environment	2	2
21333	Demonstrate basic knowledge of workflow management in a manufacturing environment	3	4

Field	Subfield	Domain
Manufacturing	Manufacturing Skills	Competitive Manufacturing

Technical Application Strand

A minimum of 29 credits at Level 3 or above

From the following sets

- Strand Elective 1
- Balance – Balance if required

Technical Application Strand Elective

A minimum of 19 credits

Manufacturing > Manufacturing Skills > Competitive Manufacturing

ID	Title	Level	Credit
21520	Facilitate a Just in Time (JIT) system in a competitive manufacturing organisation	4	5
21521	Improve cost factors in work practices in a competitive manufacturing organisation	4	5
21522	Analyse manual handling processes in a competitive manufacturing organisation	3	5
21523	Lead 5S in a competitive manufacturing organisation	4	5
21524	Undertake process capability improvements in a competitive manufacturing organisation	4	10
21525	Mistake proof a production process in a competitive manufacturing organisation	4	5
21526	Facilitate use of planning software systems in a competitive manufacturing organisation	4	8
21527	Facilitate System Control and Data Acquisition systems in a competitive manufacturing organisation	4	8
21529	Assist in implementing a proactive maintenance strategy in a competitive manufacturing organisation	4	8
24782	Monitor and control a manufacturing levelled pull system in a competitive manufacturing organisation	4	5
24783	Facilitate continuous improvement in a competitive manufacturing organisation	4	5
24784	Apply statistics to processes for a competitive manufacturing organisation	4	5
24785	Lead a proactive maintenance strategy in a competitive manufacturing organisation	4	5

Balance

The balance of credits, if required, to achieve
 A minimum of 29 credits at Level 3 or above
 May come from the following

Field	Subfield	Domain
Manufacturing	Any	Any

Transition Arrangements

Version 2 was issued in order to update the Technical Application Strand Elective, following the registration of further Competitive Manufacturing standards from the *MSA07 Manufacturing* training package, and the review of [Certificate III](#).

Changes to structure and content

- Standards 24782, 24783, 24784, and 24785 have been added to the Technical Application Strand Elective to better reflect the structure of [Certificate III](#).
- Title of the Technical Application strand elective has been changed.

For detailed information see Review Summaries on the NZQA website.

People currently working towards version 1 may either complete the requirements for that version by 31 December 2011 or transfer their results to this version. The last date for entry to training programmes or courses for version 1 is December 2009.

It is anticipated that no existing trainees will be disadvantaged by these transition arrangements. Any person who feels they have been disadvantaged by these transition arrangements should contact Competenz who will consider appeals on a case by case basis.

For further information on the transition arrangements please contact the Competenz Curriculum Development Manager at the address below.

Previous version of the qualification

Version 1 was developed as part of the review of standards from the Total Productive Manufacturing domain and the National Certificate in Total Productive Manufacturing (Level 3) [Ref: 0943]. That qualification no longer met the requirements of industry and expired in December 2007.

Certification

The certificate will display the logos of NZQA, the Competitive Manufacturing Consortium in New Zealand and the accredited organisation.

Classification

This qualification is classified according to the NQF classification system and the New Zealand Standard Classification of Education (NZSCED) system as specified below.

DAS Classification		NZSCED	
Code	Description	Code	Description
1962	Manufacturing > Manufacturing Skills > Competitive Manufacturing	030101	Engineering and Related Technologies > Manufacturing, Engineering and Technology > Manufacturing Engineering

Quality Management Systems

Providers and Industry Training Organisations must be accredited by a recognised Quality Assurance Body before they can register credits from assessment against standards. Accredited providers and Industry Training Organisations assessing against standards must engage with the moderation system that applies to those standards. Accreditation requirements and the moderation system are outlined in the associated Accreditation and Moderation Action Plan (AMAP) for each standard.

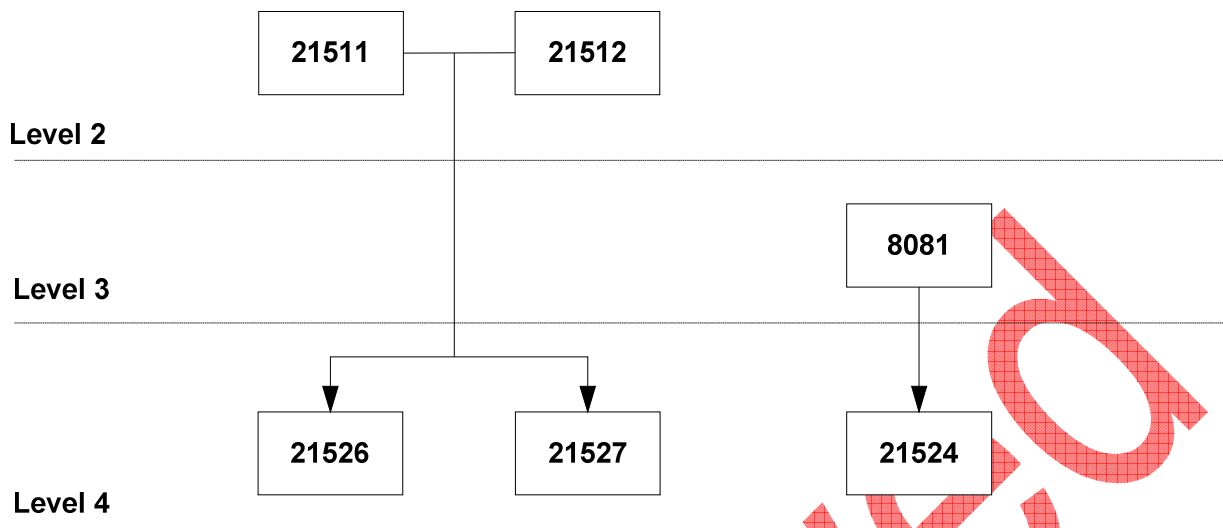
Appendix I

Progression of Industry Qualifications



Appendix II

Recommended order in which credit should be gained



- Standard 8081 is not required within this qualification, but is an elective in the National Certificate in Competitive Manufacturing (Level 4) with an optional strand in Facilitation [Ref: 1216]
- Standards 21511 and 21512 are not specified, but can be selected in the Technical Application Strand Elective balance set.