

**Field      Manufacturing****Review of *Competitive Manufacturing* unit standards**

<b>Subfield</b>	<b>Domain</b>	<b>ID</b>
Manufacturing Skills	Competitive Manufacturing	21517-21521, 21523- 21539, 24779-24806

Competenz has completed the review of the unit standards listed above.

**Date new versions published**

**January 2016**

**Planned review date**

**December 2020**

**Summary**

This review was carried out following the review and endorsement of the Australian standards in April 2012. The New Zealand industry took part in the review of the Australian units of competency in 2011 and 2012. New *Competitive Systems and Practices* standards were identified and developed in the joint review in 2011 of the Australian standards and have been registered on the Directory of Assessment Standards.

The New Zealand review of standards was superseded by the TroQ review of the *Competitive Manufacturing* qualifications during 2013 and 2014. The qualification review confirmed that the Australian standards are fit for purpose and suitable for use in programmes leading to the New Zealand *Competitive Systems and Practices* qualifications.

The New Zealand standards and qualifications use the new Australian titles for qualifications and standards. This maintains the clear relationship between the New Zealand standards and qualifications and their Australian counterparts.

**Main changes**

- Credit totals were changed to reflect the time taken for learners to achieve the competency.
- The levels of three unit standards were lowered to align with the NZQA level descriptors.
- Standards 24801-24803 were set to expire because they are no longer required.
- The standards are now covered by the Consent and Moderation Requirements for Mechanical Engineering, Food and Related Product Production, Can Making, Manufacturing Processes, Maritime, Powered Industrial Lift Trucks, and Rail Transport [Ref: CMR0013].

**Category C and D unit standards will expire at the end of December 2018**

## Impact on existing organisations with consent to assess

Current consent for			Consent extended to		
Nature of consent	Classification or ID	Level	Nature of consent	Classification or ID	Level
Domain	Competitive Manufacturing	4	Domain	Competitive Systems and Practices	4
	Competitive Manufacturing	5	Domain	Competitive Systems and Practices	5
	Competitive Manufacturing	6	Domain	Competitive Systems and Practices	6

## Detailed list of unit standards – classification, title, level, and credits

All changes are in **bold**.

Key to review category	
<b>A</b>	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number
<b>B</b>	Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID and a new version number
<b>C</b>	Major changes that necessitate the registration of a replacement standard with a new ID
<b>D</b>	Standard will expire and not be replaced

Manufacturing > Manufacturing Skills > Competitive Manufacturing

Manufacturing > Manufacturing Skills > **Competitive Systems and Practices**

ID	Title	Level	Credit	Review Category
21517	Implement a competitive manufacturing system in a competitive manufacturing organisation <b>Implement competitive systems and practices</b>	4	10	B
21518	Ensure process improvements are sustained in a competitive manufacturing organisation <b>Ensure process improvements are sustained in an organisation using competitive systems and practices</b>	4	8 <b>10</b>	B
21519	Lead change in a competitive manufacturing organisation <b>Facilitate change in an organisation implementing competitive systems and practices</b>	5 <b>4</b>	8 <b>10</b>	B
21520	Facilitate a Just in Time (JIT) system in a competitive manufacturing organisation <b>Facilitate a Just in Time (JIT) system in an organisation using competitive systems and practices</b>	4	5	B
21521	Improve cost factors in work practices in a competitive manufacturing organisation <b>Improve cost factors in work practices in an organisation using competitive systems and practices</b>	4	5	B

ID	Title	Level	Credit	Review Category
21523	Lead 5S in a competitive manufacturing organisation <b>Facilitate and improve implementation of 5S in an organisation using competitive systems and practices</b>	4	5	B
21524	Undertake process capability improvements in a competitive manufacturing organisation <b>Undertake process capability improvements in an organisation using competitive systems and practices</b>	4	10	B
21525	Mistake proof a production process in a competitive manufacturing organisation <b>Mistake proof an operational process in an organisation using competitive systems and practices</b>	4	5	B
21526	Facilitate use of planning software systems in a competitive manufacturing organisation <b>Facilitate the use of planning software systems in a work area or team using competitive systems and practices</b>	4	8	B
21527	Facilitate System Control and Data Acquisition systems in a competitive manufacturing organisation <b>Facilitate the use of SCADA systems in a team or work area in an organisation using competitive systems and practices</b>	4	8	B
21528	Undertake proactive maintenance analyses in a competitive manufacturing organisation <b>Undertake proactive maintenance analyses in an organisation using competitive systems and practices</b>	5	8	B
21529	Assist in implementing a proactive maintenance strategy in a competitive manufacturing organisation <b>Assist in implementing a proactive maintenance strategy in an organisation using competitive systems and practices</b>	4	8	B
21530	Analyse and map a value stream in a competitive manufacturing organisation <b>Analyse and map a value stream in an organisation using competitive systems and practices</b>	5	10	B
21531	Improve a value stream in a competitive manufacturing organisation <b>Manage a value stream in an organisation using competitive systems and practices</b>	5	10	B
21532	Manage people relationships in a competitive manufacturing organisation <b>Manage people relationships in an organisation using competitive systems and practices</b>	5	15	B

ID	Title	Level	Credit	Review Category
21533	Develop quick changeover procedures in a competitive manufacturing organisation <b>Develop quick changeover procedures in an organisation using competitive systems and practices</b>	5	10	B
21534	Develop a Just In Time (JIT) system in a competitive manufacturing organisation <b>Develop a Just In Time (JIT) system in an organisation using competitive systems and practices</b>	5	10	B
21535	Optimise cost of a product in a competitive manufacturing organisation <b>Optimise cost of a product or service in an organisation using competitive systems and practices</b>	5	15	B
21536	Undertake value analysis of product costs in a competitive manufacturing organisation <b>Undertake value analysis of product or process costs in terms of customer requirements</b>	5	10	B
21537	Manage a 5S system in a competitive manufacturing organisation <b>Manage 5S in an organisation using competitive systems and practices</b>	5	15	B
21538	Develop the application of enterprise systems in a competitive manufacturing organisation <b>Develop the application of enterprise control systems in an organisation using competitive systems and practices</b>	5	10	B
21539	Establish information collection requirements in a competitive manufacturing organisation <b>Determine and establish information collection requirements and processes using competitive systems and practices</b>	5	10	B
24779	Lead a competitive manufacturing team using a balanced score card approach <b>Facilitate use of a balanced score card for performance improvement using competitive systems and practices</b>	4	8	B
24780	Facilitate the development of a competitive manufacturing team <b>Facilitate implementation of competitive systems and practices</b>	5 4	5	B
24781	Facilitate team culture improvement in a competitive manufacturing team <b>Lead team culture improvement in an organisation using competitive systems and practices</b>	5 4	5	B

ID	Title	Level	Credit	Review Category
24782	Monitor and control a manufacturing levelled pull system in a competitive manufacturing organisation <b>Monitor a levelled pull system of operations in an organisation using competitive systems and practices</b>	4	5	B
24783	Facilitate continuous improvement in a competitive manufacturing organisation <b>Facilitate breakthrough improvements in an organisation using competitive systems and practices</b>	4	5	B
24784	Apply statistics to processes for a competitive manufacturing organisation <b>Apply statistics to operational processes in an organisation using competitive systems and practices</b>	4	5	B
24785	Lead a proactive maintenance strategy in a competitive manufacturing organisation <b>Support proactive maintenance in an organisation using competitive systems and practices</b>	4	5	B
24786	Lead a competitive manufacturing strategy <b>Develop competitive systems and practices for an organisation</b>	6	20	B
24787	Develop business plans for implementing competitive manufacturing in an organisation <b>Develop business plans in an organisation implementing competitive systems and practices</b>	6	10	B
24788	Lead a competitive manufacturing strategy in a jobbing shop environment <b>Manage competitive systems and practices in an organisation responding to individual and unique customer orders</b>	6	20	B
24789	Develop a balanced score card to measure outcomes of competitive manufacturing activities <b>Develop a balanced score card in an organisation using competitive systems and practices</b>	5	10	B
24790	Lead a competitive manufacturing strategy in a small or medium enterprise <b>Introduce competitive systems and practices to a small or medium enterprise</b>	6	20	B
24791	Manage relationships with non-customer external organisations for a competitive manufacturing organisation <b>Manage relationships with non-customer external organisations in an organisation using competitive systems and practices</b>	5	20	B

ID	Title	Level	Credit	Review Category
24792	Facilitate holistic culture improvement in a competitive manufacturing organisation <b>Facilitate holistic culture improvement in an organisation using competitive systems and practices</b>	6	20	B
24793	Develop a communications strategy to support production for a competitive manufacturing organisation <b>Develop a communications strategy to support operations in an organisation using competitive systems and practices</b>	5	10	B
24794	Design a process layout for a competitive manufacturing organisation <b>Design a process layout in an organisation using competitive systems and practices</b>	5	10	B
24795	Develop a levelled pull system of manufacturing for a competitive manufacturing organisation <b>Develop a levelled pull system for operations and processes in an organisation using competitive systems and practices</b>	6	10	B
24796	Analyse cost implications of maintenance strategy for a competitive manufacturing organisation <b>Analyse cost implications of maintenance strategy in an organisation using competitive systems and practices</b>	6	15	B
24797	Implement a special improvement event in a competitive manufacturing organisation <b>Implement improvement systems in an organisation using competitive systems and practices</b>	6	10	B
24798	Determine and improve process capability for a competitive manufacturing organisation <b>Determine and improve process capability in an organisation using competitive systems and practices</b>	5	15	B
24799	Design an experiment for a competitive manufacturing organisation <b>Design an experiment in an organisation using competitive systems and practices</b>	6	10	B
24800	Develop a documentation control strategy for a competitive manufacturing organisation <b>Develop a documentation control strategy for an organisation using competitive systems and practices</b>	5	10	B
24801	Develop and manage sustainable energy practices for a competitive manufacturing organisation	6	10	D
24802	Develop and manage sustainable environmental practices for a competitive manufacturing organisation	6	10	D

ID	Title	Level	Credit	Review Category
24803	Lead the development of a new product for a competitive manufacturing organisation	6	20	D
24804	Develop a proactive maintenance strategy for a competitive manufacturing organisation <b>Develop a proactive maintenance strategy in an organisation using competitive systems and practices</b>	6	20	B
24805	Adapt a proactive maintenance strategy for a competitive process manufacturing organisation <b>Adapt a proactive maintenance strategy to the process operations sector using competitive systems and practices</b>	6	15	B
24806	Adapt a proactive maintenance strategy for a seasonal or cyclical competitive manufacturing organisation <b>Adapt a proactive maintenance strategy for a seasonal or cyclical business using competitive systems and practices</b>	6	15	B
29270	<b>Map an operational process in an organisation using competitive systems and practices</b>	4	10	New
29271	<b>Implement the visual workplace in an organisation using competitive systems and practices</b>	4	5	New
29272	<b>Facilitate continuous improvement through the use of standardised procedures and practices</b>	4	5	New
29273	<b>Improve changeovers in an organisation using competitive systems and practices</b>	4	5	New
29274	<b>Use six sigma techniques in an organisation using competitive systems and practices</b>	4	5	New
29275	<b>Apply the theory of constraints in an organisation using competitive systems and practices</b>	5	15	New
29276	<b>Manage application of six sigma for process control and improvement using competitive systems and practices</b>	5	15	New