

## Field      Manufacturing

### Review of *Competitive Systems and Practices* unit standards

Subfield	Domain	ID
Manufacturing Skills	Competitive Systems and Practices	21501-21512, 21515-21539, 24779-24800, 24804-24806, 29270-29276, 29312-29314

Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council has completed the review of the standards listed above.

**Date new versions published**

**May 2025**

**Planned review date**

**December 2029**

#### Summary

The NZQA coversheets in this domain were reviewed as part of the review of the New Zealand Certificate in Competitive Systems and Practices (Level 3) [Ref: 2998], New Zealand Certificate in Competitive Systems and Practices (Level 4) [Ref: 2999] and the New Zealand Diploma in Competitive Systems and Practices (Level 5) [Ref: 3000].

This review was triggered by the regular 5-year review cycle.

This review process was undertaken between July and December 2024 in consultation with a range of industry representatives and providers through online Technical Advisory Group (TAG) online meetings and sharing documents and feedback via email.

For the review of the existing NZQA coversheets, Hanga-Aro-Rau received approval to use the Australian units of competency (UOCs) from the Australian Department of Employment and Workplace Relations (DEWR). UOCs are owned by the Commonwealth of Australia (as represented by the DEWR) and are licensed for use under [Creative Commons Attribution - No Derivative Works 4.0](#).

#### Main changes

- Coversheet titles were updated to align with the new operational excellence terminology.
- A definition for operational excellence was added across the NZQA coversheets linking the operational excellence and competitive systems and practices wording.
- Coversheets were updated to include a reference to the Australian DEWR approval to use Australian standards.
- References to MSA the Manufacturing Industry Skills Council, Competenz and the previous agreement wording of the Memorandum of Understanding were removed.
- Manufacturing Industry Skills Alliance was added to each coversheet as the new developer of the Australian UOCs.
- Coversheets were updated to include a reference to Hanga-Aro-Rau as the Standard Setting Body.
- Links to the new training.govt.au website were updated across the coversheets and the UOC code was updated where the Australian version has changed.
- Unit standard 24781 was changed from Level 4 to Level 5 due to changes to the performance criteria in the UOC, which now includes a strategic and cross-organisation focus.
- Four unit standards are expiring on the NZQCF in line with the review of UOCs on the Australian Framework. The expiring unit standards: 24790, 24792, 24800 and 24804 are listed in the table below.
- The reference to the Australian training package was updated from MSS11 to MSS.

The last date for assessment of superseded versions of Category B standards is 31 December 2026

The last date of assessment for Category D standards is 31 December 2026

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 Systems and Practices	4	Standard	24781	5

Detailed list of 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 Systems and Practices

ID	Title	Level	Credit	Review Category
21501	Apply competitive systems and practices in an organisation using competitive systems and practices <b>Apply operational excellence practices in a workplace</b>	3	5	B
21502	Sustain process improvements in an organisation using competitive systems and practices <b>Sustain process improvements using operational excellence practices</b>	3	5	B
21503	Manage the impact of change on own work in an organisation using competitive systems and practices <b>Manage the impact of change on own work using operational excellence practices</b>	3	5	B
21504	Apply quick changeover procedures in an organisation using competitive systems and practices <b>Apply quick changeover procedures using operational excellence practices</b>	3	5	B
21505	Apply Just in Time procedures in an organisation using competitive systems and practices <b>Apply Just in Time procedures in a workplace using operational excellence practices</b>	3	5	B
21506	Apply cost factors to work practices in an organisation using competitive systems and practices <b>Apply cost factors to work practices using operational excellence practices</b>	3	5	B

ID	Title	Level	Credit	Review Category
21507	Interpret product costs in an organisation using competitive systems and practices <b>Interpret cost and waste in terms of customer value using operational excellence practices</b>	3	5	B
21508	Apply 5S procedures in an organisation using competitive systems and practices <b>Apply 5S procedures in a workplace using operational excellence practices</b>	3	5	B
21509	Monitor process capability using three or six sigma in an organisation using competitive systems and practices <b>Monitor process capability using operational excellence practices in a workplace</b>	3	10	B
21510	Complete quality control tests and record results in an organisation using competitive systems and practices <b>Apply quality standards in a workplace using operational excellence practices</b>	3	5	B
21511	Use planning software systems in an organisation using competitive systems and practices <b>Use planning software systems in operations using operational excellence practices</b>	3	3	B
21512	Use System Control and Data Acquisition (SCADA) systems in an organisation using competitive systems and practices <b>Use SCADA systems in operations using operational excellence practices</b>	3	3	B
21515	Undertake root cause analysis in an organisation using competitive systems and practices <b>Undertake root cause analysis in a workplace using operational excellence practices</b>	3	5	B
21516	Contribute to a proactive maintenance strategy in an organisation using competitive systems and practices <b>Contribute to the application of a proactive maintenance strategy using operational excellence practices</b>	3	5	B
21517	Implement competitive systems and practices <b>Contribute to improvements in operational excellence practices</b>	4	10	B
21518	Ensure process improvements are sustained in an organisation using competitive systems and practices <b>Ensure process improvements are sustained using operational excellence practices</b>	4	10	B
21519	Facilitate change in an organisation implementing competitive systems and practices <b>Facilitate change in a workplace using operational excellence practices</b>	4	10	B
21520	Facilitate a Just in Time (JIT) system in an organisation using competitive systems and practices <b>Facilitate a Just in Time system in a workplace using operational excellence practices</b>	4	5	B
21521	Improve cost factors in work practices in an organisation using competitive systems and practices <b>Improve cost factors in work practices using operational excellence practices</b>	4	5	B

ID	Title	Level	Credit	Review Category
21522	Analyse manual handling processes in an organisation using competitive systems and practices <b>Analyse manual handling processes in a workplace using operational excellence practices</b>	3	5	B
21523	Facilitate and improve implementation of 5S in an organisation using competitive systems and practices <b>Facilitate and improve 5S in a workplace using operational excellence practices</b>	4	5	B
21524	Undertake process capability improvements in an organisation using competitive systems and practices <b>Undertake process capability improvements using operational excellence practices</b>	4	10	B
21525	Mistake proof an operational process in an organisation using competitive systems and practices <b>Mistake proof a process in a workplace using operational excellence practices</b>	4	5	B
21526	Facilitate the use of planning software systems in a work area or team in an organisation using competitive systems and practices <b>Facilitate the use of planning software systems in a work area or team using operational excellence practices</b>	4	8	B
21527	Facilitate the use of SCADA systems in a team or work area in an organisation using competitive systems and practices <b>Facilitate the use of SCADA systems in a team or work area using operational excellence practices</b>	4	8	B
21528	Undertake proactive maintenance analyses in an organisation using competitive systems and practices <b>Undertake proactive maintenance analyses using operational excellence practices</b>	5	8	B
21529	Assist in implementing a proactive maintenance strategy in an organisation using competitive systems and practices <b>Assist in implementing a proactive maintenance strategy using operational excellence practices</b>	4	8	B
21530	Analyse and map a value stream in an organisation using competitive systems and practices <b>Analyse and map a value stream in a workplace using operational excellence practices</b>	5	10	B
21531	Manage a value stream in an organisation using competitive systems and practices <b>Manage a value stream in a workplace using operational excellence practices</b>	5	10	B
21532	Lead and manage people within competitive systems and practices in an organisation using competitive systems and practices <b>Lead and manage people within operational excellence practices</b>	5	15	B
21533	Develop quick changeover procedures in an organisation using competitive systems and practices <b>Develop quick changeover procedures using operational excellence practices</b>	5	10	B

ID	Title	Level	Credit	Review Category
21534	Develop a Just In Time (JIT) system in an organisation using competitive systems and practices <b>Develop a Just in Time system in a workplace using operational excellence practices</b>	5	10	B
21535	Optimise cost of a product or service in an organisation using competitive systems and practices <b>Optimise process costs using operational excellence practices</b>	5	15	B
21536	Undertake value analysis of product or process costs in terms of customer requirements <b>Undertake analysis of cost and waste in terms of customer value using operational excellence practices</b>	5	10	B
21537	Manage 5S in an organisation using competitive systems and practices <b>Manage 5S in a workplace using operational excellence practices</b>	5	15	B
21538	Develop the application of enterprise control systems in an organisation using competitive systems and practices <b>Develop the application of enterprise control systems using operational excellence practices</b>	5	10	B
21539	Determine and establish information collection requirements and processes using competitive systems and practices <b>Establish data collection and processing protocols using operational excellence practices</b>	5	10	B
24779	Facilitate use of a balanced score card for performance improvement using competitive systems and practices <b>Facilitate use of a balanced scorecard for performance improvement using operational excellence practices</b>	4	8	B
24780	Facilitate team engagement with competitive systems and practices <b>Facilitate team engagement with operational excellence practices</b>	4	5	B
24781	Lead team culture improvement in an organisation using competitive systems and practices <b>Facilitate an operational excellence culture in a workplace</b>	4 5	5	B
24782	Monitor a levelled pull system of operations in an organisation using competitive systems and practices <b>Monitor a levelled pull system of operations using operational excellence practices</b>	4	5	B
24783	Facilitate breakthrough improvements in an organisation using competitive systems and practices <b>Facilitate breakthrough improvements using operational excellence practices</b>	4	5	B
24784	Apply statistics to operational processes in an organisation using competitive systems and practices <b>Apply statistics to operational processes using operational excellence practices</b>	4	5	B

ID	Title	Level	Credit	Review Category
24785	Support proactive maintenance in an organisation using competitive systems and practices <b>Support proactive maintenance in a workplace using operational excellence practices</b>	4	5	B
24786	Develop competitive systems and practices for an organisation <b>Develop operational excellence practices for operational objectives</b>	6	20	B
24787	Develop business plans in an organisation implementing competitive systems and practices <b>Develop business plans in a workplace implementing operational excellence practices</b>	6	10	B
24788	Manage competitive systems and practices in an organisation responding to individual and unique customer orders <b>Implement operational excellence in a one-off or small batch environment</b>	6	20	B
24789	Develop a Balanced Scorecard in an organisation using competitive systems and practices <b>Develop a balanced scorecard in a workplace using operational excellence practices</b>	5	10	B
24790	Develop competitive systems and practices for operational objectives	6	20	D
24791	Manage relationships with non-customer external organisations in an organisation using competitive systems and practices <b>Manage relationships with non-customer external organisations using operational excellence practices</b>	5	20	B
24792	Facilitate holistic culture improvement in an organisation using competitive systems and practices	6	20	D
24793	Develop a communications strategy to support operations in an organisation using competitive systems and practices <b>Develop a communications strategy to support operations using operational excellence practices</b>	5	10	B
24794	Design a process layout in an organisation using competitive systems and practices <b>Design a process layout using operational excellence practices</b>	5	10	B
24795	Develop a levelled pull system for operations and processes in an organisation using competitive systems and practices <b>Implement and optimise levelled pull system using operational excellence practices</b>	6	10	B
24796	Analyse cost implications of maintenance strategy in an organisation using competitive systems and practices <b>Develop a proactive maintenance strategy using operational excellence practices</b>	6	15	B
24797	Implement improvement systems in an organisation using competitive systems and practice <b>Implement improvement systems in a workplace using operational excellence practices</b>	6	10	B

ID	Title	Level	Credit	Review Category
24798	Determine and improve process capability in an organisation using competitive systems and practices <b>Apply three or six sigma processes to determine and improve process capability using operational excellence practices</b>	5	15	B
24799	Design an experiment in an organisation using competitive systems and practices <b>Design an experiment in a workplace using operational excellence practices</b>	6	10	B
24800	Develop a documentation control strategy for an organisation using competitive systems and practices	5	10	D
24804	Develop a proactive maintenance strategy in an organisation using competitive systems and practices	6	20	D
24805	Adapt a proactive maintenance strategy to the process operations sector using competitive systems and practices <b>Adapt a proactive maintenance strategy to the process operations sector using operational excellence practices</b>	6	15	B
24806	Adapt a proactive maintenance strategy for a seasonal or cyclical business using competitive systems and practices <b>Adapt a proactive maintenance strategy for a seasonal or cyclical business using operational excellence practices</b>	6	15	B
29270	Map an operational process in an organisation using competitive systems and practices <b>Map an operational process using operational excellence practices</b>	4	10	B
29271	Implement the visual workplace in an organisation using competitive systems and practices <b>Implement the visual workplace using operational excellence practices</b>	4	5	B
29272	Facilitate continuous improvement through the use of standardised procedures and practices <b>Facilitate continuous improvement of standardised procedures and practices using operational excellence practices</b>	4	5	B
29273	Improve changeovers in an organisation using competitive systems and practices <b>Improve changeovers in a workplace using operational excellence practices</b>	4	5	B
29274	Use six sigma techniques in an organisation using competitive systems and practices <b>Apply DMAIC techniques in a workplace using operational excellence practices</b>	4	5	B
29275	Apply the theory of constraints in an organisation using competitive systems and practices <b>Facilitate application of theory of constraints using operational excellence practices</b>	5	15	B

ID	Title	Level	Credit	Review Category
29276	Manage application of six sigma for process control and improvement using competitive systems and practices <b>Manage application of six sigma for process control and improvement using operational excellence practices</b>	5	15	B
29312	Make improvements using standardised work practices in an organisation using competitive systems and practices <b>Apply and improve standardised work practices using operational excellence practices</b>	3	5	B
29313	Work within a constrained process in an organisation using competitive systems and practices <b>Work within a constrained process using operational excellence practices</b>	3	5	B
29314	Organise products into groups in an organisation using competitive systems and practices <b>Identify product groups to inform improvement priorities using operational excellence practices</b>	3	5	B