Australian Government

Department of Education, Employment and Workplace Relations

MSA31108 Certificate III in Competitive Manufacturing

Revision Number: 2

MSA31108 Certificate III in Competitive Manufacturing

Modification History

This qualification has been superseded by MSS30312 Certificate III in Competitive Systems and Practices from MSS11v2 Sustainability Training Package. Equivalent outcomes.

Description

The Competitive Manufacturing units of competency are categorised into three groups:

- Systems units
- Change/interpersonal units
- Tools units.

Licensing considerations
There are no specific licenses that relate to this qualification. However, some units in this qualification may have licensing or regulatory requirements depending on the work context. Local regulations should be checked for details.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

MSA31108 Certificate III in Competitive Manufacturing

The following table contains a summary of the employability skills as identified by industry for this qualification. This table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes described here are broad industry requirements that reflect skill requirements for this level.

Employability Skill	**Industry/enterprise requirements for this qualification include**:
Communication	• Implement OHS procedures and distribute related safety information • Complete, access and interpret standardised documentation on behalf of self and other team members • Share and discuss information with others about work activities • Access and apply workplace procedures • Provide information to team members about workplace procedures • Read and interpret instructions, specifications, standard operating procedures and other work related documents • Seek assistance or information from relevant personnel or supervisors • Debrief on workplace changes with relevant stakeholders • Record production or other work related information • Access and use workplace communication tools and equipment • Apply numeracy skills to work procedures
Teamwork	• Identify roles of other work colleagues including formal team members where teamwork is used as the form of work organisation • Lead others in a production environment • Share production or work related information with peers including team members, supervisors and management • Identify hazards to self and other team members • Recognise the value chain and advise team members as to how they can contribute to the final quality of the product • Review changes to work practices and work relationships with supervisors • Provide assistance with work operations as required • Seek assistance with work operations as required
Problem solving	• Monitor workplace activities • Report inconsistencies, non-compliances, faults or hazards

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	• Identify factors within team or work area that are a constraint to work efficiency or reaching of production outcomes • Distinguish between essential and non-essential practices • Implement methods of increasing features/benefits of products or processes • Monitor jobs within team and make improvements • Note steps which cause a problem • Improve OHS • Compare required performance with actual performance • Identify situations where compliance to specifications or safety standards is unlikely • Recommend and implement improvements • Distinguish between random and identifiable causes of work problems • Identify causes of identified faults and take appropriate action • Investigate causes of quality deviations • Undertake root cause analysis • Identify deviations and patterns
Initiative and enterprise	• Provide feedback on procedures and systems • Analyse feedback on procedures and systems • Analyse problems, implications or suggestions for improvements • Adjust work activity according to changes in work requirements • Take correct action and follow procedures • Identify methods of increasing own and team contribution to the value chain • Recommend changes and improvements • Take action to make improvements • Implement changes • Monitor actions to ensure cost efficiency • Implement 5 S procedures • Implement work practices to reduce waste
Planning and organising	• Plan own work and work of team to meet required standards • Ensure the work area complies with OHS procedures • Organise processes, tools and materials • Implement improvements in accordance with procedures • Monitor and adjust production/process • Distinguish between essential and non-essential practices • Set the workplace in order • Implement use of planning tools within work of team • Implement 5 S procedures

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	• Determine and prioritise required actions • Collect and organise information from work activity
Self-management	• Conduct all work activities according to safety and workplace standards • Implement and maintain housekeeping standards • Achieve production outcomes • Monitor own performance • Interpret data and information as required by own job • Ask questions to ensure understanding of own work requirements • Recommend methods of increasing own contribution to the value chain • Adjust work processes according to procedures • Identify and manage impacts in own work area • Monitor resource use and minimise waste in own work activity • Keep the workplace clean and tidy • Assess own work
Learning	• Attend skill development training • Adapt to changing work requirements • Ask questions to aid learning • Identify skill requirements of self and team members • Seek skills development and training to meet needs • Identify personal skill gaps and additional skills needs • Ask questions to ensure understanding of own work requirements • Monitor own work and identify areas for improvement • Seek feedback on work performance • Provide feedback on work performance
Technology	• Work with technology safely and according to workplace standards • Identify equipment and processes appropriate for job and skill level • Handle and use equipment correctly and safely and within skill level • Assess operational efficiency of technology within own skill level and that of team members • Recognise and report faulty operation of equipment • Collect and apply data and information from technology • Use information technology appropriate for job • Apply maintenance procedures appropriate to job and skill level

Packaging Rules

The Competitive Manufacturing units of competency are categorised into three groups:

- Systems units
- Change/interpersonal units
- Tools units.

Licensing considerations
There are no specific licenses that relate to this qualification. However, some units in this qualification may have licensing or regulatory requirements depending on the work context. Local regulations should be checked for details.

Packaging Rules
To be awarded a Certificate III in Competitive Manufacturing, competency must be achieved in **eight** (**8**) units of competency.

- **one** (**1**) core unit of competency
- **seven** (**7**) elective units of competency, four (4) of which may be selected from this Training Package, other endorsed Training Packages and accredited courses, as specified below.

At least three (3) units must be from the Competitive Manufacturing (CM) 400 series units.

Note: Where prerequisite units are identified they must be counted in the total number of units required for completion of the qualification.

Core units of competency

- Complete the following **one** (**1**) unit from this list.

Unit code	Unit title
MSACMS200A	Apply competitive manufacturing practices

Elective units of competency

Group A -Systems

- Select a maximum of **one** (**1**) unit from the following list.

Unit code	Unit title
MSACMS201A	Sustain process improvements
MSACMS401A	Ensure process improvements are sustained
MSACMS405A	Lead a manufacturing team using a balanced score card approach

Group B - Change/interpersonal

- Select a maximum of **one** (**1**) unit from the following list.

Unit code	Unit title
MSACMC210A	Manage the impact of change on own work
MSACMC410A	Lead change in a manufacturing environment
MSACMC411A	Lead a competitive manufacturing team
MSACMC413A	Lead team culture improvement

Group C - Tools

- Select a minimum of **one** (**1**) unit from the following list.

Unit code	Unit title	Prerequisite
MSACMT421A	Facilitate a Just in Time (JIT) system	
MSACMT423A	Monitor a manufacturing levelled pull system	
MSACMT430A	Improve cost factors in work practices	
MSACMT432A	Analyse manual handling processes	
MSACMT440A	Lead 5S in a manufacturing	

Unit code	Unit title	Prerequisite
	environment	
MSACMT441A	Facilitate continuous improvement in manufacturing	
MSACMT450A	Undertake process capability improvements	MSACMT452A
MSACMT451A	Mistake proof a production process	
MSACMT452A	Apply statistics to processes in Manufacturing	
MSACMT453A	Use six sigma techniques	MSACMT452A
MSACMT460A	Use planning software systems in manufacturing	MSACMT260A
MSACMT461A	Facilitate SCADA systems in manufacturing team or work area	MSACMT261A
MSACMT481A	Undertake proactive maintenance analyses	
MSACMT482A	Assist in implementing a proactive maintenance strategy	
MSACMT483A	Support proactive maintenance	
MSAPMSUP390A	Use structured problem solving tools	

Group D - Balance of units

The balance of units, to a maximum of **four** (**4**) may be drawn from any combination of:

- Group C units listed above

- Elective units listed below.

Unit code	Unit title
MSACMT220A	Apply quick changeover procedures
MSACMT221A	Apply Just in Time (JIT) procedures
MSACMT230A	Apply cost factors to work practices
MSACMT231A	Interpret product costs in terms of customer requirements
MSACMT240A	Apply 5S procedures in a manufacturing environment
MSACMT250A	Monitor process capability
MSACMT251A	Apply quality standards
MSACMT260A	Use planning software systems in manufacturing
MSACMT261A	Use SCADA systems in manufacturing
MSACMT270A	Use sustainable energy practices
MSACMT271A	Use sustainable environmental practices
MSACMT280A	Undertake root cause analysis
MSACMT281A	Contribute to the application of a proactive maintenance strategy
MSAENV272B	Participate in environmentally sustainable work practices
Up to four (4) relevant units may be selected from this Training Package, other endorsed Training Packages and accredited courses, where those units are available for inclusion at Certificates II, III or IV. Units chosen should be relevant to the workplace and would normally be drawn from the appropriate sector Training Package, or possibly the Business Services Training Package.	

Packaging Rules