Australian Government

MSS40116 Certificate IV in Sustainable Operations

Release 1

MSS40116 Certificate IV in Sustainable Operations

Modification History

Release 1. Supersedes and is equivalent to MSS40111 Certificate IV in Sustainable Operations.

Qualification Description

The MSS40116 Certificate IV in Sustainable Operations specifies the competencies required to identify, implement and report on sustainability related initiatives within a section of an enterprise, such as a defined work area, work team or stage of production. It may also apply to a small or medium enterprise. It includes assisting organisations to meet their obligations under sustainability related regulatory arrangements, government or similar incentives or other initiatives that apply to the employee's area of operation.

This qualification provides the skills needed to measure current sustainability performance and to establish processes for improved sustainability performance within small and medium enterprises as well as sections or stages of production in larger organisations. It complements but does not duplicate qualifications supplying production, maintenance, logistics or other technical skills to industry. Where these skills are required appropriate qualifications from Manufacturing Skills Australia (MSA) and other Industry Skill Council (ISC) Training Packages should be considered.

The qualification applies where an overview of sustainability related issues is required without the detailed technical underpinning skills, such as resource (e.g. water and carbon) mapping along a value chain, or mass balancing across a site or large enterprise. Where these skills are require the MSS50116 Diploma of Sustainable Operations should be considered.

This qualification does not supply operational or technical skills. Most enterprises will expect technical skills relevant to their operations or equivalent vocational experience and for this reason the qualification is unlikely to be suitable for direct entry from school.

No licensing, legislative or certification requirements apply to this qualification at the time of publication.

Entry Requirements

This qualification has no formal entry requirement.

Packaging Rules

To be awarded the MSS40116 Certificate IV in Sustainable Operations, competency must be achieved in **ten (10)** units of competency.

- **three (3)** core units of competency
- **seven (7)** elective units of competency, as specified below.
    - a minimum of **three (3)** units from Group A
    - the balance of units, to a maximum of **four (4)**, may be selected from:
        - Group A units, not previously selected
        - Group B units listed below.

A maximum of **two (2)** Group B elective units may be selected from this Training Package, other endorsed Training Packages and accredited courses, where those units are available for inclusion at Certificate IV level.

Note: Units with prerequisites are marked with an asterisk*. Prerequisite units must be counted in the total number of units required for achievement of the qualification. Refer to individual units for details.

Core units of competency

Unit code	Unit title
MSS014001	Improve sustainability through readily implementable change
MSS014002	Evaluate sustainability impact of a work or process area
MSMENV472	Implement and monitor environmentally sustainable work practices

Elective units of competency

Group A

Unit code	Unit title	Prerequisites
MSFFDT4003	Assess and record the lifecycle of a product	

MSS014003	Optimise sustainability of a process or plant area	
MSS014004	Develop team strategies for more sustainable use of resources	
MSS014005	Apply proactive maintenance strategies to sustainability	
MSS014006	Contribute to sustainability related audits	
MSS014007	Implement social sustainability in work practices	
MSS015005	Develop required sustainability reports	
MSS024002	Implement environmental management plans and procedures	
MSS024003	Apply an understanding of environmental principles to a site	
MSS404082	Assist in implementing a proactive maintenance strategy	
MSS404083	Support proactive maintenance	
MSMWHS401	Assess risk	
MSMSUP301	Apply HACCP to the workplace	
MSL933003	Apply critical control point requirements	
MSL934001	Contribute to the ongoing development of HACCP plans	
MSL974007	Undertake environmental field-based monitoring	
MSL974009	Undertake field-based, remote-sensing monitoring	
PMASUP520	Review procedures to minimise environmental impact of process	

Group B

Unit code	Unit title	Prerequisites

BSBRSK401	Identify risk and apply risk management processes	
LMTGN4002A	Participate in product engineering	
LMTGN4016A	Contribute to the development of products or processes	
MSFFT4007	Sample, inspect and test products to specifications	
MEM13002B	Undertake occupational health and safety activities in the workplace	
MEM30016A	Assist in the analysis of a supply chain	
MSS027001	Coordinate environmental management activities	
MSS402030	Apply cost factors to work practices	
MSS402060	Use planning software systems in manufacturing	
MSS402061	Use SCADA systems in operations	
MSS402080	Undertake root cause analysis	
MSS403001	Implement competitive systems and practices	
MSS403002	Ensure process improvements are sustained	
MSS403005	Facilitate use of a Balanced Scorecard for performance improvement	
MSS403010	Facilitate change in an organisation implementing competitive systems and practices	
MSS403011	Facilitate implementation of competitive systems and practices	
MSS403013	Lead team culture improvement	
MSS403023	Monitor a levelled pull system of operations	
MSS403030	Improve cost factors in work practices	
MSS403040	Facilitate and improve implementation of 5S	
MSS403041	Facilitate breakthrough improvements	
MSS403051	Mistake proof an operational process	
MSS404050	Undertake process capability improvements	

MSS404052	Apply statistics to operational processes	
MSS404053	Use DMAIC techniques	
MSS404060	Facilitate the use of planning software systems in a work area or team	
MSS404061	Facilitate the use of SCADA systems in a team or work area	
MSS404081	Undertake proactive maintenance analyses	

Qualification Mapping Information

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Links

MSA Training Package Implementation Guides - http://mskills.org.au/training-packages/info/