Australian Government

MSS50118 Diploma of Sustainable Operations

Release 1

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Modification History

Release 1. Code updated, core units updated, qualification template updated, qualification description simplified and changes to elective list. Supersedes and is equivalent to MSS50116 Diploma of Sustainable Operations.

Qualification Description

This qualification specifies the competencies required to work in a technical, supervisory or operational role in sustainability in an organisation.

This qualification provides the skills and knowledge needed to measure current sustainability performance and to establish processes for improved sustainability performance within organisations.

This qualification has no formal entry requirement due to the wide variety of sustainability applications in industry. However, 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, regulatory or certification requirements apply to this qualification at the time of publication.

Entry Requirements

There are no entry requirements for this qualification.

Packaging Rules

Total number of units = 20

- **5** core units
- **15** elective units, consisting of:
    - a minimum of **7** units from Group A
    - a minimum of **3** units from Group B
    - the balance of units, to a maximum of **5**, may be selected from:
        - Group A or B
        - Group C
        - up to 4 units from any endorsed Training Package or accredited course at Diploma level – these units must be relevant to the work outcome.

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.

All electives chosen must contribute to a valid, industry-supported vocational outcome.

Core units

Unit code	Unit title
MSS015021	Measure and report carbon footprint of a product or product class
MSS015022	Develop strategies for more sustainable use of resources
MSS015025	Develop a business case for sustainability improvements
MSS015026	Develop strategic sustainability plans
MSS015027	Implement sustainability plans

Elective units

Group A

Unit code	Unit title	Prerequisites
MSS014008	Improve sustainability through readily implementable change	
MSS015006	Report to Global Reporting Initiative guidelines	
MSS015011	Conduct a sustainability energy audit	
MSS015014	Develop response to sustainability related regulation	
MSS015017	Develop regulated sustainability reports	
MSS015023	Design sustainable product or process	
MSS015024	Develop required sustainability reports	
MSS015028	Conduct a sustainable water use audit	
MSS015030	Conduct an emissions audit	
MSS015031	Conduct a sustainability related transport audit	

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Unit code	Unit title	Prerequisites
MSS015033	Implement and monitor reengineering for sustainability	
MSS015034	Inform and educate organisation and community representatives on sustainability issues	
MSS405086	Develop sustainable energy practices	
PMASUP520	Review procedures to minimise environmental impact of process	
PMASUP620	Manage environmental management system	

Group B

Unit code	Unit title	Prerequisites
MSMENV672	Develop workplace policy and procedures for environmental sustainability	
MSS015019	Establish/review metrics for social sustainability	
MSS025017	Assist with assessing site environmental indicators	* MSS024015 Apply an understanding of environmental principles to a site
MSS025018	Assess the environmental risk and impact of a project activity or process	* MSS024015 Apply an understanding of environmental principles to a site
MSS404052	Apply statistics to operational processes	
MSS405001	Develop competitive systems and practices for an organisation	
MSS405002	Analyse and map a value stream	
MSS405003	Manage a value stream	
MSS405004	Develop business plans in an organisation implementing competitive systems and practices	

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Unit code	Unit title	Prerequisites
MSS405010	Manage relationships with non-customer external organisations	
MSS405012	Manage workplace learning	
MSS405013	Facilitate holistic culture improvement in an organisation	
MSS405014	Develop a communications strategy to support operations	
MSS405020	Develop quick changeover procedures	
MSS405021	Develop a Just in Time system	
MSS405031	Undertake value analysis of product or process costs in terms of customer requirements	
MSS405032	Analyse cost implications of maintenance strategy	
MSS405040	Manage 5S system in an organisation	
MSS405041	Implement improvement systems in an organisation	
MSS405050	Determine and improve process capability	* MSS404052 Apply statistics to operational processes
MSS405060	Develop the application of enterprise control systems in an organisation	
MSS405061	Determine and establish information collection requirements and processes	
MSS405075	Facilitate the development of a new product	* MSS404052 Apply statistics to operational processes
MSS405081	Develop a proactive maintenance strategy	
MSS405084	Manage people relationships	
MSS405085	Develop a documentation control strategy for an organisation	

Group C

Unit code	Unit title	Prerequisites
BSBMGT516	Facilitate continuous improvement	
BSBPMG517	Manage project risk	
BSBPMG518	Manage project procurement	
BSBPMG519	Manage project stakeholder engagement	
BSBPMG522	Undertake project work	
BSBWOR502	Lead and manage team effectiveness	
MSMSUP390	Use structured problem-solving tools	
MSS014014	Implement social sustainability in work practices	
MSS015020	Facilitate an energy audit	
MSS024015	Apply an understanding of environmental principles to a site	
MSS402061	Use SCADA systems in operations	
MSS402080	Undertake root cause analysis	
MSS402082	Apply cost factors to work practices	
MSS402083	Use planning software systems in operations	
MSS403001	Review competitive systems and practices	
MSS403010	Facilitate change in an organisation implementing competitive systems and practices	
MSS403023	Monitor a levelled pull system of operations	
MSS403087	Mistake proof an operational process	
MSS404053	Use DMAIC techniques	
MSS404060	Facilitate the use of planning software systems in a work area or team	
MSS404081	Undertake proactive maintenance analyses	

Qualification Mapping Information

Release 1. Supersedes and is equivalent to MSS50116 Diploma of Sustainable Operations.

Links

The MSS Sustainability Companion Volume implementation Guides are available from VETNet: -
https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=5b04f318-804f-4dc0-9463-c3fb9 a3fe998

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