



Australian Government

MSS50118 Diploma of Sustainable Operations

Release 4

MSS50118 Diploma of Sustainable Operations

Modification History

Release 4. Five low use units removed from elective bank as determined at December 2020 AISC meeting in response to Skills Ministers' objectives. Equivalent.

Release 3. One elective unit updated. Supersedes and is equivalent to MSS50118 Diploma of Sustainable Operations (Release 2).

Release 2. Additional elective unit. Unit codes, names and pre-requisites updated. Supersedes and is equivalent to MSS50118 Diploma of Sustainable Operations (Release 1).

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 = **Twenty (20)**

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

Note: 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 of competency

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 of competency

Group A

Unit code	Unit title
MSS014008	Improve sustainability through readily implementable change
MSS015011	Conduct a sustainability energy audit
MSS015023	Design sustainable product or process
MSS015024	Develop required sustainability reports
MSS015028	Conduct a sustainable water use audit
MSS015030	Conduct an emissions audit
MSS015035	Report to Global Reporting Initiative guidelines
MSS015037	Develop regulated sustainability reports
MSS015039	Develop response to corporate social responsibility
MSS405087	Investigate energy management as a business issue
MSS405088	Plan, implement and monitor energy management
MSS405089	Develop a business case for improved energy management

Unit code	Unit title
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	
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
MSS404054	Apply statistics to operational processes	
MSS405001	Develop competitive systems and practices for an organisation	
MSS405004	Develop business plans in an organisation implementing competitive systems and practices	
MSS405008	Analyse and map a value stream	
MSS405009	Manage a value stream	
MSS405013	Facilitate holistic culture improvement in an organisation	
MSS405014	Develop a communications strategy to support operations	
MSS405015	Manage relationships with non-customer external organisations	
MSS405016	Manage workplace learning	

Unit code	Unit title	Prerequisites
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	
MSS405054	Determine and improve process capability	MSS404054 Apply statistics to operational processes
MSS405063	Develop the application of enterprise control systems in an organisation	
MSS405064	Determine and establish information collection requirements and processes	
MSS405075	Facilitate the development of a new product	MSS404054 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
BSBMGT516	Facilitate continuous improvement
BSBPMG517	Manage project risk
BSBPMG518	Manage project procurement

Unit code	Unit title
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
MSS404085	Undertake proactive maintenance analyses

Qualification Mapping Information

Release 4. Supersedes and is equivalent to MSS50118 Diploma of Sustainable Operations (Release 3).

Release 3. Supersedes and is equivalent to MSS50118 Diploma of Sustainable Operations (Release 2).

Release 2. Supersedes and is equivalent to MSS50118 Diploma of Sustainable Operations (Release 1).

Links

The MSS Sustainability Companion Volume Implementation Guides are available from VETNet: -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5b04f318-804f-4dc0-9463-c3fb9a3fe998>