



Australian Government

MSS40118 Certificate IV in Sustainable Operations

Release 4

MSS40118 Certificate IV in Sustainable Operations

Modification History

Release 4. Two 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 equivalent to MSS40118 Certificate IV in Sustainable Operations (Release 2).

Release 2. Unit codes updated. Supersedes and equivalent to MSS40118 Certificate IV in Sustainable Operations (Release 1).

Qualification Description

This qualification specifies the skills and knowledge 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 applies to specialist roles, such as a sustainability officer or sustainability project assistant. The qualification also provides specialist sustainability competencies to technical, supervisory or operational employees who do not have whole of enterprise responsibilities. 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 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

This qualification has no formal entry requirement.

Packaging Rules

Total number of units = **Ten (10)**

- **Three (3)** core units
- **Seven (7)** elective units, consisting of:
 - 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
 - Group B

- up to **Two (2)** units from any endorsed Training Package or accredited course at Certificate IV 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
MSMENV472	Implement and monitor environmentally sustainable work practices
MSS014008	Improve sustainability through readily implementable change
MSS014009	Evaluate sustainability impact of a work or process area

Elective units of competency

Group A

Unit code	Unit title
MSFFDT4003	Assess and record the lifecycle of a product
MSL933007	Apply critical control point requirements
MSL934005	Contribute to the ongoing development of HACCP plans
MSL974022	Undertake environmental field-based monitoring
MSL974024	Undertake field-based, remote-sensing monitoring
MSMSUP301	Apply HACCP to the workplace
MSS014010	Optimise sustainability of a process or work area
MSS014011	Facilitate team to develop and implement sustainability strategies
MSS014014	Implement social sustainability in work practices
MSS015024	Develop required sustainability reports
MSS024014	Implement environmental management plans and procedures
MSS024015	Apply an understanding of environmental principles to a site
MSS404086	Assist in implementing a proactive maintenance strategy

Unit code	Unit title
MSS404087	Support proactive maintenance
MSS405087	Investigate energy management as a business issue
MSS405088	Plan, implement and monitor energy management
MSS405089	Develop a business case for improved energy management
PMASUP520	Review procedures to minimise environmental impact of process

Group B

Unit code	Unit title	Prerequisite unit
BSBPMG416	Apply project procurement procedures	
BSBPMG417	Apply project life cycle management processes	
BSBPMG418	Apply project stakeholder engagement techniques	
BSBRISK401	Identify risk and apply risk management processes	
MEM13002	Undertake work health and safety activities in the workplace	MEM11011 Undertake manual handling MEM13015 Work safely and effectively in manufacturing and engineering MEM16006 Organise and communicate information
MEM30016A	Assist in the analysis of a supply chain	
MSFFT4007	Sample, inspect and test products to specifications	
MSS027013	Coordinate environmental management activities	
MSS402061	Use SCADA systems in operations	
MSS402080	Undertake root cause analysis	

Unit code	Unit title	Prerequisite unit
MSS402082	Apply cost factors to work practices	
MSS402083	Use planning software systems in operations	
MSS403001	Review competitive systems and practices	
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	
MSS403023	Monitor a levelled pull system of operations	
MSS403040	Facilitate and improve implementation of 5S	
MSS403054	Facilitate breakthrough improvements	
MSS403085	Ensure process improvements are sustained	
MSS403086	Improve cost factors in work practices	
MSS403087	Mistake proof an operational process	
MSS404053	Use DMAIC techniques	
MSS404054	Apply statistics to operational processes	
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	
MSS404084	Undertake process capability improvements	
MSS404085	Undertake proactive maintenance	

Unit code	Unit title	Prerequisite unit
	analyses	
MSS405013	Facilitate holistic culture improvement in an organisation	
MSTGN4002	Participate in product engineering	
MSTGN4007	Contribute to the development of products or processes	

Qualification Mapping Information

Release 4. Supersedes and equivalent to MSS40118 Certificate IV in Sustainable Operations (Release 3).

Release 3. Supersedes and equivalent to MSS40118 Certificate IV in Sustainable Operations (Release 2).

Release 2. Supersedes and equivalent to MSS40118 Certificate IV in Sustainable Operations (Release 1).

Release 1. Supersedes and equivalent to MSS40116 Certificate IV in Sustainable Operations.

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>