



Australian Government

MSS014008 Improve sustainability through readily implementable change

Release: 1

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Modification History

Release 1. Updated unit code. Changes to elements and performance criteria. Range of conditions removed. Assessment requirements amended. Equivalent outcome.

Application

This unit describes the skills and knowledge required to identify and implement changes to production or operation procedures to improve sustainability in an organisation or related value chain organisations. It applies to readily implementable changes and measuring the immediate impact of the changes on equipment or area of operation. The unit covers the identification and implementation of changes to operational procedures to improve sustainability. These changes can often be attempted without substantial prior analysis or planning.

This unit applies across organisations and the full extent of their value chains. It applies to individuals with work area responsibilities such as team leaders, maintenance staff, technicians and others who have some sustainability responsibility as part of their job.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Pre-requisite Unit

Nil

Competency Field

Sustainable operations

Unit Sector

Not applicable

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1	Examine sustainability outcomes	1.1	Identify drivers of sustainability change
		1.2	Define sustainability problem or need

Elements describe the essential outcomes. required	Performance criteria describe the performance needed to demonstrate achievement of the element.
	1.3 Consult with stakeholders on ways of satisfying the need 1.4 Agree acceptable outcomes with key stakeholders
2 Examine operations for readily implementable changes to improve sustainability	2.1 Read and interpret current operational and maintenance standard procedures 2.2 Identify potential sustainability issues in process 2.3 Short-list potential sustainability issues which may be able to be easily eliminated or improved 2.4 Estimate costs and benefits of readily implementable changes to improve sustainability issues 2.5 Rank short-listed sustainability issues by estimated benefit and cost 2.6 Determine success factors to assess benefits of eliminating muda (waste)
3 Implement change	3.1 Develop implementation plan and schedule to deliver required outcomes 3.2 Negotiate required resources with stakeholders 3.3 Negotiate timelines, measures and indicators of success with change stakeholders 3.4 Acquire and deploy resources required to achieve agreed outcome 3.5 Monitor implementation and make required adjustments 3.6 Communicate and renegotiate with stakeholders
4 Review change	4.1 Measure immediate impact of change 4.2 Identify non-compliances with planned improvements

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

4.3 Recommend further improvements

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Release 1. Supersedes and is equivalent to MSS014001 Improve sustainability through readily implementable change.

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>

Assessment Requirements for MSS014008 Improve sustainability through readily implementable change

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and:

- identified, planned and implemented at least 1 readily implementable change to improve sustainability.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- value chain concept and value chain participants to work area and the organisation more generally
- value chain items where changes can be made
- concept of muda and the following **seven (7)** wastes used in lean:
 - overproduction
 - delay or waiting
 - transportation
 - over processing
 - excess inventory
 - unnecessary motion
 - defects and rework
- methods of quantifying both required outcomes and muda into comparable units of measure
- brainstorming techniques
- cost benefit analysis
- drivers of change
- project improvement planning and scheduling techniques
- sustainability problems.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions, contingencies, facilities, equipment and resources.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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