MSS014001 Improve sustainability through readily implementable change

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Modification History

Release 1. Supersedes and is equivalent to MSS014001A Improve sustainability through readily implementable change.

Application

This unit of competency covers identifying and implementing readily implementable changes to production or operation procedures to improve sustainability in an organisation or related value chain (e.g. supplier of goods or services or customer) organisations.

This unit applies inside organisations and their value chains. The unit has been developed with manufacturing operations as a focus. However because of the range of organisations in a typical manufacturing value chain it may also be applied to other types of organisations.

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 and are often characterised by the colloquial term as 'low hanging fruit'.

This unit 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.

Measurements covered by this unit are related to measuring the immediate impact of changes on the equipment or area of operation.

The measurement of emissions or other environmental impact is not covered by this unit, although the use of relevant data arising from such measurements may be appropriate.

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

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 required**	1.1	Identify drivers of sustainability change.
	1.2	Define sustainability problem or need.
	1.3	Consult with stakeholders on a range of possible ways of satisfying the need.
	1.4	Agree possible acceptable outcomes with key stakeholders.
2 **Examine operations for readily implementable changes to improve sustainability**	2.1	Identify 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	Rank short-listed sustainability issues by estimated benefit/cost.
	2.5	Determine success factors to assess benefits of eliminating muda (waste).
3 **Implement improvements**	3.1	Develop implementation plan to deliver required outcomes.
	3.2	Negotiate required resources with relevant stakeholders.
	3.3	Negotiate timelines and measures/indicators of success with change stakeholders.
	3.4	Acquire and deploy resources required to achieve agreed outcome.
	3.5	Monitor implementation and take action as required to

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achieve required outcome.

		3.6	Renegotiate with relevant stakeholders as necessary.
4	**Recommend further improvements**	4.1	Measure improvements actually obtained.
		4.2	Identify non-compliances with planned improvements.
		4.3	Determine additional improvements desirable.

Foundation Skills

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

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

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Muda (waste) includes one or more of	• overproduction • delay/waiting • transportation • over processing • excess inventory • unnecessary motion • defects and rework.
Documentation (paper, electronic or other) includes one or more of	• standard operational procedures (SOPs) • engineering drawings • other sketches and diagrams • specifications and manuals • training and assessment manuals.
Drivers of change include one or more of	• a crisis related to current sustainability performance • regulatory requirements • demands from customers • community pressure • organisation commitment to improve sustainability • other demand for change on the organisation.
Sustainability problems include one or more of	• problems with procedures, process or equipment • problems with materials including material waste and disposal of waste materials • problems with energy consumption • problems with resource use including water • problems with culture or employee skills and knowledge • problems with design or specification.

Unit Mapping Information

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Links

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

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