



Australian Government

MSS015009 Implement sustainability plans

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MSS015009A Implement sustainability plans.

Application

This unit of competency covers gaining support for and implementing new and/or updating existing sustainability plans. It also includes the monitoring/measuring of changes resulting from the implementation, comparing these changes to the intended changes and recommending modifications which will result in further improvement.

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 assumes that sustainability improvements have gained all required approvals. The improvements may be in response to planned or current regulatory requirements or may be related to organisation generated improvement proposals.

As sustainability related improvements often affect all or major parts of an organisation and will also often include suppliers, distributors and customers, implementation will usually be required to ensure the support of stakeholders across the value chain in order to minimise disruption to the organisation's business and to maximise benefits.

A manager or technical specialist who has a major responsibility for sustainability as part of a broader work role would typically undertake this unit, or sustainability may be their primary work responsibility. The manager or technical specialist may undertake this alone or as part of a team.

The technical measurement of operational performance or measurement of emissions or other environmental impact is not covered by this unit. However, there is a requirement to identify and validate data. The complexity of this requirement will vary according to the type and scale of the organisation's processes.

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.

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| 1 | Establish required support for proposed sustainability related improvements | 1.1 | Identify key stakeholders. |
| | | 1.2 | Identify benefits of proposal for each stakeholder. |
| | | 1.3 | Identify causes of resistance to proposal. |
| | | 1.4 | Negotiate with key stakeholders and gain support. |
| 2 | Establish systems for monitoring implementation/update | 2.1 | Agree on implementation timelines. |
| | | 2.2 | Develop agreed indicators of progress. |
| | | 2.3 | Establish data collection systems and responsibilities for each indicator. |
| | | 2.4 | Validate data collection against indicators. |
| 3 | Implement/update improvement plan | 3.1 | Update project implementation plan as required. |
| | | 3.2 | Take required actions to have plan implemented/updated. |
| | | 3.3 | Monitor progress using agreed indicators. |
| | | 3.4 | Analyse progress to plan. |
| | | 3.5 | Take control actions necessary. |
| | | 3.6 | Modify implementation plan as required. |
| | | 3.7 | Report on progress. |

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| 4 | Recommend further improvements | 4.1 | Measure improvements actually obtained. |
| | | 4.2 | Identify non-compliances with planned improvements. |
| | | 4.3 | Determine desirable additional improvements. |
| | | 4.4 | Obtain approvals for improvements. |
| | | 4.5 | Implement improvements to sustainability plan. |

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.

Sustainability improvement includes one or more of

- resource footprint (e.g. carbon, water and energy) of product and process
- current and future availability of materials
- current and future availability of energy
- waste generation and disposal
- efficiency of process
- the extent to which the production process and product affects the environment
- relationship with the local and broader community (e.g. effect of operations on aesthetic appearance, preservation of heritage, and proximity to schools and religious facilities)
- extent of regulatory oversight and cost of compliance
- meeting external sustainability benchmarks.

Improvement actions include one or more of

- the purchase and installation of new equipment or alterations to existing equipment
- improvements to manufacturing processes, such as work re-organisation, eliminating or changing manufacturing steps and use of different raw materials
- changes to maintenance procedures, such as increased condition monitoring and maintenance frequency designed to improve the efficiency and sustainability of operating equipment
- product life cycle improvements
- changes designed to improve the organisation's compliance to sustainability related Acts and regulations.

Documentation (paper, electronic or other form) includes one or more of

- standard operating procedures
- drawings and specifications
- training and assessment manuals.

Unit Mapping Information

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Links

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