



Australian Government

MSS015007 Develop a business case for sustainability improvements

Release: 1

MSS015007 Develop a business case for sustainability improvements

Modification History

Release 1. Supersedes and is equivalent to MSS015007A Develop a business case for sustainability improvements.

Application

This unit of competency covers developing an appropriate business case for proposed changes which will deliver improvements to the sustainability of a process or organisation. It includes benefit/cost and return on investment (ROI) analyses.

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 applies to the development of a business case for sustainability related improvements to an organisation's products or processes. The business case may relate to the whole or part of an organisation, or to the whole or part of the value chain (e.g. suppliers of goods or services or customers). The business case may be required for sustainability related improvements in response to regulatory, Board, employee, shareholder or community requests or pressure.

A manager or technical specialist who has a major responsibility for sustainability as part of a broader work role would typically undertake this, 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 present and organise 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 | Define the intended sustainability improvement project | 1.1 Define the purpose of the project. |
| | | 1.2 Determine the project goals. |
| | | 1.3 Determine regulatory requirements. |
| | | 1.4 Determine stakeholders for project. |
| | | 1.5 Clarify the critical success factors for the project. |
| | | 1.6 Quantify the current state. |
| 2 | Quantify expected benefits from the project | 2.1 Determine cost of any capital improvements from the project. |
| | | 2.2 Determine production improvements. |
| | | 2.3 Determine maintenance improvements. |
| | | 2.4 Determine product life cycle improvements. |
| | | 2.5 Determine regulatory health, safety and environment (HSE) improvements. |
| | | 2.6 Estimate total benefit of proposed project. |
| 3 | Determine costs required to implement project | 3.1 Estimate fixed capital costs required. |
| | | 3.2 Estimate personnel costs required. |
| | | 3.3 Estimate financial costs required. |

- 3.4 Estimate time required for project and time-related costs.
 - 3.5 Estimate total costs of project.
- 4 **Prepare a proposal justifying project**
 - 4.1 Determine ROI, sustainability and other project benefits.
 - 4.2 Determine costs, if any, of not proceeding with the project.
 - 4.3 Compare benefits to costs using appropriate methods.
 - 4.4 Prepare proposal for project.

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.

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|---|---|
| Expected benefit
may be benefit
against one or more
of | <ul style="list-style-type: none">• business• ecological• social• sustainability goals. |
| Capital
improvements
covers all of | <ul style="list-style-type: none">• the purchase, installation, construction and commissioning of new equipment• alterations to existing equipment designed to improve the sustainability of the organisation's operations and which will be classed as capital in the organisation's balance sheet. |
| Production
improvements
include one or more
of | <ul style="list-style-type: none">• work re-organisation• eliminating or changing operating steps• use of different materials, components or supplies• changing equipment and process conditions. |
| Maintenance related
improvements
include an increase
in one or more of | <ul style="list-style-type: none">• condition monitoring• maintenance frequency• efficiency and sustainability of operating equipment. |
| Personnel costs
include costs related
to one or more of | <ul style="list-style-type: none">• recruiting new staff• retrenchments• training and retraining• use of contract labour. |
| Time-related costs
include one or more
of | <ul style="list-style-type: none">• time value of money• maintenance of new plant as part of the project. |

Unit Mapping Information

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Links

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