



Australian Government

MSS015025 Develop a business case for sustainability improvements

Release: 1

MSS015025 Develop a business case for sustainability improvements

Modification History

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

Application

This unit describes the skills and knowledge to develop an appropriate business case for proposed changes which will deliver improvements to the sustainability of a process or organisation. It includes cost benefit and return on investment (ROI) analyses. The business case may be required for sustainability related improvements in response to regulatory, Board, employee, shareholder or community requests or pressure.

This unit applies inside organisations and their value chains.

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

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	Define the intended sustainability improvement	1.1	Define the purpose of the project
		1.2	Determine the project goals
		1.3	Read and interpret regulatory requirements

Elements describe the essential outcomes.		Performance criteria describe the performance needed to demonstrate achievement of the element.	
	project	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	Calculate 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	Estimate return on investment (ROI), sustainability and other project benefits
		4.2	Estimate costs of not proceeding with the project
		4.3	Compare benefits to costs using financial modelling methods
		4.4	Write proposal for project

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 MSS015007 Develop a business case for sustainability improvements.

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 MSS015025 Develop a business case for sustainability improvements

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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:

- developed at least 1 business case proposal for a sustainability improvement project for an organisation or process.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- characteristics of good project purposes, goals, critical success factors and key performance indicators
- regulatory environment and requirements for sustainability related project, including health, safety and environment (HSE) aspects
- concept of capital versus operational improvements
- internal and external data sources
- methods of quantifying project benefits across the life cycle
- project costing methods for capital, personnel, financial and time related costs
- financial modelling for business cases, including:
 - ROI calculations
 - cost-benefit analysis
- types of improvements, including:
 - capital improvements:
 - 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
 - maintenance improvements
- accounting conventions and requirements and the alternative lean view and when it is appropriate
- AS/NZS ISO 14001 Environmental Management Systems or its authorised replacement.

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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