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MSS015033 Implement and monitor reengineering for sustainability

Release: 1

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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 identify, implement and monitor a reengineering process to achieve a sustainability improvement of a process or product family. This includes the identification of the process for reengineering, the development of the sustainability objectives of the reengineering project, establishment of project objectives, implementation and evaluation. The reengineering project may involve consultations and participation by customers and suppliers in the value chain.

This unit applies to production operations that have identified reengineering as a potential strategy for improving sustainability.

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 **Determine the need for**	1.1	Identify a process requiring improvement
	1.2	Analyse process performance

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
reengineering	1.3 Compare reengineering approach with other process improvement methodologies
	1.4 Confirm the need for reengineering
2 **Determine process objectives**	2.1 Identify stakeholders in the process
	2.2 Research and define perceived stakeholder benefit from process
	2.3 Translate perceived benefits into product and process specifications
	2.4 Collect current available metrics on process performance
	2.5 Determine metrics for monitoring future sustainability related and other process performance
3 **Facilitate reengineering study**	3.1 Organise appointment of reengineering team
	3.2 Determine impact on suppliers and customers during and after reengineering
	3.3 Acquire required resources and authorities to proceed
	3.4 Develop descriptions of alternative processes which will deliver required specifications
	3.5 Short-list most likely alternatives
	3.6 Evaluate short-listed alternatives
	3.7 Rank evaluated short-listed alternatives by desirability
4 **Implement preferred option**	4.1 Select preferred option
	4.2 Write implementation plan for preferred option
	4.3 Negotiate required resources with stakeholders
	4.4 Negotiate timelines and measures and indicators of

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	success with change stakeholders
	4.5 Acquire and deploy resources required to achieve agreed responses
	4.6 Monitor implementation and take action to achieve required responses
	4.7 Renegotiate with stakeholders to achieve required responses
5 **Recommend further improvements**	5.1 Measure improvements obtained
	5.2 Identify non-compliances with planned improvements
	5.3 Determine additional improvements desirable

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 MSS015016 Implement and monitor reengineering for sustainability.

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