



Australian Government

MSS014009 Evaluate sustainability impact of a work or process area

Release: 1

MSS014009 Evaluate sustainability impact of a work or process area

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 evaluate the impact on sustainability of a work or process area or a stage of production or logistics. This may be undertaken as a stand-alone evaluation or as part of an overall evaluation of an entire process or a value chain.

This unit applies to establishing the overall or broad sustainability impact of processes undertaken in a work area and making recommendations for mitigating negative sustainability impacts. This includes evaluating the impact on products made, services offered, and use of sites by an organisation or value chain member. This unit covers only that portion of the value chain which is totally within the boundaries of the selected work area.

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.

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.

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|---|-------------------------------------|-----|---|
| 1 | Evaluate the work or process | 1.1 | Identify the boundaries of the process or work area to be evaluated |
|---|-------------------------------------|-----|---|

Elements describe the essential outcomes.		Performance criteria describe the performance needed to demonstrate achievement of the element.	
	area	1.2	Identify all process steps within this area
		1.3	Identify the change which occurs at each step
		1.4	Define sustainability interactions at each step
2	Determine sustainability issues for the work or process area	2.1	Identify sustainability goals of enterprise as they relate to the process or work area
		2.2	Identify environmental sensitivities at each step in the process or work area
		2.3	Identify sustainability issues at each step in the process or work area
		2.4	Short-list high priority sustainability issues
3	Analyse sustainability issues for the work or process area	3.1	Determine root cause of each short-listed sustainability issue
		3.2	Determine possible solutions to root causes
		3.3	Estimate resources required for solutions and alternative mitigation strategies
		3.4	Rank solutions strategies by desirability
		3.5	Recommend preferred solutions in accordance with organisational procedures and protocols

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 MSS014002 Evaluate sustainability impact of a work or process area.

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 MSS014009 Evaluate sustainability impact of a work or process area

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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:

- evaluated at least 1 work or process area to determine high priority issues and solutions.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- sustainability process mapping
- process and changes which occur within the process
- environmental impacts of materials and energy used and emitted
- environmental sensitivities of all areas impacted by the work and process area and related areas where impact spreads beyond immediate area or containment
- root cause analysis and problem solving
- mitigation strategies relevant to work and process area
- simple cost benefit analyses techniques
- sustainability issues relevant to the work and process area
- standards and regulations relevant to work and process area including AS/NZS ISO 14001 Environmental Management Systems or its authorised replacement
- factors that could influence desirability ranking.

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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