



Australian Government

MSS014013 Contribute to sustainability related audits

Release: 1

MSS014013 Contribute to sustainability related audits

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 contribute to sustainability related audits either as an audit team member or through specifically nominated research and investigations for the audit team. It includes understanding the context of the sustainability audit; concepts of resource usage and waste and how they can be expressed as carbon and carbon equivalents.

This unit applies to sustainability related audits of a part or whole organisation or its value chain. The audits may be conducted to assist in regulatory compliance or as part of a strategy to improve the sustainability of an organisation's operations.

This unit applies to team leaders, technicians or others who may be required to assist in such an audit as part of their work role. It does not cover the skills needed to lead sustainability related audits.

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 Identify scope of audit | 1.1 Identify target area of audit within the organisation or value chain |
| | 1.2 Identify sustainability related activities to be audited |
| | 1.3 Identify and confirm own role in audit |

Elements describe the essential outcomes.		Performance criteria describe the performance needed to demonstrate achievement of the element.	
		1.4	Identify and confirm own timelines and reporting processes
2	Identify work areas, processes and equipment covered by own audit responsibility	2.1	Identify inputs to processes or area being audited
		2.2	Identify material changes or other relevant changes that occur in the work area
		2.3	Identify key items of equipment and their purpose and relevance to the audit
		2.4	Identify measurable outputs of work area and the extent that they are relevant to the audit
3	Undertake measurement tasks	3.1	Identify need for technical assistance from colleagues
		3.2	Measure specified inputs to process or work area
		3.3	Measure specified outputs for process or work area
		3.4	Calculate difference between input and output
		3.5	Calculate measurable sources of waste for process or work area
		3.6	Determine difference between measurable and theoretical waste for process or work area
		3.7	Compare results to external targets
		3.8	Communicate results to audit team
4	Assist in developing strategies for reducing the use of specified input	4.1	Rank equipment or processes by use of specified input and waste generation
		4.2	Calculate current minimum input use by unit of product
		4.3	Develop strategies to reduce input use for processes
		4.4	Develop strategies to minimise waste for processes

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	4.5 Identify strategies that may have regulatory implications
5 Prepare recommendations for consideration by audit team and stakeholders	5.1 Consult with key stakeholders in area or processes subject to audit
	5.2 Rank strategies by cost benefit ratio
	5.3 Short-list strategies
	5.4 Prepare recommendations for consideration by audit team and stakeholders

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 MSS014006 Contribute to sustainability related audits.

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 MSS014013 Contribute to sustainability related audits

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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:

- contributed to at least 1 sustainability related audit, including:
 - assisting in identifying improvement strategies
 - assisting in providing recommendations
 - consulting with stakeholders.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- sources of material and energy muda (waste)
- balancing techniques for process and process steps
- methods of measuring actual process amount and flows
- concepts of carbon and carbon equivalence as it applies to sustainability
- muda (waste) reduction strategies and methods along with costs, effectiveness and alternative strategies
- cost-benefit analysis
- legislation, regulation and protocols relevant to work area
- sustainability related process mapping
- process and changes which occur within the process
- environmental impacts of materials and energy used and emitted in both actual and carbon equivalents
- environmental sensitivities of all areas impacted by the work, process area and containment
- root cause analysis and problem solving
- sustainability issues relevant to the work and process area
- AS/NZS ISO 14000 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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