



**Australian Government**

# **MSS015054 Lead circular economy initiatives in the supply chain**

**Release: 1**

# MSS015054 Lead circular economy initiatives in the supply chain

## Modification History

Release 1. New unit.

## Application

This unit describes the skills and knowledge required to lead processes to determine and implement changes in the supply chain which support circularity.

This unit applies to managers, supply chain specialists, technical specialists or similar roles with authority and influence to drive change through specific initiatives. The individual will map the supply chain for a process, product or service, identify opportunities for improved circularity, facilitate others' understanding of and engagement with circularity, lead the implementation of improvements and help to embed the improvements within the organisation.

In this unit, the supply chain focus is on the procurement and/or management of infrastructure, resources and/or services for the organisation to deliver its core functions, products and/or services.

For the purposes of this unit, circularity refers to the application of decisions and activities designed to move the organisation towards a non-waste scenario that is in equilibrium and which supports regeneration of natural systems. Circularity improvements will typically align to one or more aspects of the currently accepted frameworks of 3 Circular Economy principles and 5 Circular Economy business models.

This unit applies to any organisation.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

## Competency Field

Sustainable Operations

## Elements and Performance Criteria

| Elements                                  | Performance Criteria                                                                                                                                                                                                                                                        |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element.                                                                                                                                                                             |
| 1. Determine circularity context          | 1.1 Map existing supply chain for a process, product or service to identify key steps and actors<br>1.2 Review circularity principles and practices for relevance to organisation's supply chain<br>1.3 Review current and proposed legislation, regulations, standards and |

| Elements                                                | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Elements describe the essential outcomes.               | Performance criteria describe the performance needed to demonstrate achievement of the element.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                         | codes for supply chain requirements relevant to circularity<br>1.4 Identify supply chain decisions and/or processes with potential for circularity improvements<br>1.5 Determine criteria, relevant to the context, for selection of circularity improvements                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 2. Determine opportunities for circularity improvements | 2.1 Investigate identified supply chain decisions and/or processes to determine options for circularity improvements<br>2.2 Apply selection criteria to identify options for further development<br>2.3 Identify stakeholders and their stake in selected improvement options<br>2.4 Determine stakeholder needs for information and/or other development in relation to circularity<br>2.5 Collaborate with key stakeholders to define scope and develop implementation plans for selected options<br>2.6 Determine likely outcomes from selected options in terms of system-wide impacts, costs, risks and benefits<br>2.7 Evaluate likely outcomes to select priority initiatives |
| 3. Determine agreed initiatives                         | 3.1 Provide information and facilitate communications with key stakeholders to promote understanding of and engagement with circularity<br>3.2 Facilitate stakeholder input to evaluate and, if needed, amend initiatives<br>3.3 Facilitate stakeholder agreement on initiatives to be implemented<br>3.4 Determine metrics for implementation of and desired outcomes from initiatives<br>3.5 Facilitate organisational approvals, resources and other support for initiatives                                                                                                                                                                                                      |
| 4. Oversee implementation of improvements               | 4.1 Liaise with relevant stakeholders to develop detailed work or project plans<br>4.2 Incorporate input from supply chain personnel and reference/s to supply chain procedures in work or project plans<br>4.3 Oversee and assist with implementation of improvements<br>4.4 Facilitate processes with stakeholders and, if needed, specialists to resolve problems                                                                                                                                                                                                                                                                                                                 |

| Elements                                  | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element.                                                                                                                                                                                                                                                                                                               |
|                                           | 4.5 Provide guidance and assistance to others to champion circularity and build capacity<br>4.6 Monitor implementation metrics and take action to adjust implementation, as required, in response to issues                                                                                                                                                                                                   |
| 5. Finalise improvements                  | 5.1 Evaluate metrics and feedback from stakeholders to determine effectiveness of changes<br>5.2 Determine and oversee amendments needed to achieve desired outcomes<br>5.3 Oversee updates to systems, procedures and related documentation to support sustaining of successful improvements<br>5.4 Oversee development and dissemination of communications to support sustaining of successful improvements |

## Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance of criteria.

- Reading skills to interpret workplace documentation
- Writing skills to communicate with a range of audiences
- Oral communication skills to facilitate engagement and agreement, communicate with a range of stakeholders
- Numeracy skills to interpret metrics.

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

## Unit Mapping Information

No equivalent unit.

## Links

Companion Volume Implementation Guides are found in VETNet - -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5b04f318-804f-4dc0-9463-c3fb9a3fe998>

# Assessment Requirements for MSS015054 Lead circular economy initiatives in the supply chain

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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 demonstrated the ability to:

- identify and document the key steps and actors in the supply chain, or a significant part of the supply chain, for a process, product or service
- facilitate communications and activities with at least 3 other people to define, implement and embed at least 1 improvement to circularity in the supply chain.
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## Knowledge Evidence

There must be evidence the candidate has knowledge of:

- current and emerging industry practices, and their relationship to supply chain, in at least 4 of the following areas:
  - extended product lifecycle and retraining and / or managing residual resources
  - digitisation and dematerialisation
  - safety and / or environmental impact of materials
  - efficient use of materials, resources and / or energy
  - reduction of pollution and / or greenhouse gas emissions
  - packaging and waste management
  - human rights in the value chain
  - employee safety, health and wellbeing
  - environmental monitoring and remediation
- approaches to quantifying and evaluating costs, benefits, impacts and risks in relation to sustainability including direct, indirect and intangible factors
- current and emerging technologies that support circularity
- impact of supply chain decisions on:
  - energy usage and/or carbon footprint
  - water usage and/or water footprint
  - waste generation and waste management
  - natural environment
  - local and global communities
- supply chain risk and risk management strategies

- legislation, regulations, standards and voluntary codes relevant to supply chain and circularity
- techniques to facilitate communication and collaboration
- communication styles, methods and media to suit a range of audiences.

## Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources
- modelling of industry operating conditions.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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