



**Australian Government**

**Assessment Requirements for MSS015043  
Develop strategies for more sustainable use  
of resources**

**Release: 1**

# Assessment Requirements for MSS015043 Develop strategies for more sustainable use of resources

## Modification History

Release 1. Unit code changed. Application changed. Performance Criteria changed. Foundation Skills populated. Assessment Requirements changed. Supersedes and is not equivalent to MSS015022 Develop strategies for more sustainable use of resources.

## 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:

- use materials (mass) balancing to identify loss (emission) for at least 1 process that comprises at least:
  - three process steps
  - three types of resources
- prepare written report which interprets the data and includes at least 1 recommendation to reduce waste.

## Knowledge Evidence

There must be evidence the candidate has knowledge of:

- methods and uses of material (mass) balancing
- methods and uses of energy balancing
- methods of comparing theoretical with actual resource consumption
- methods for mapping processes and resources consumed
- methods of measuring actual resource usage
- design thinking as applied to problem solving and innovation for sustainability
- current and emerging approaches to quantifying and evaluating costs, benefits, impacts and risks in relation to sustainability including direct, indirect and intangible factors
- current and emerging approaches to reducing waste including:
  - identifying, retaining and managing residual resources
  - biological materials flow
  - technical materials flow
  - impact of supply chain decisions
  - role of digitalisation
- AS/NZS ISO 14001 Environmental Management Systems or its authorised replacement.
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## 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.

## 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>