



Australian Government

# **Assessment Requirements for MSS015015**

## **Evaluate sustainability impact of a process**

Release: 1

# **Assessment Requirements for MSS015015 Evaluate sustainability impact of a process**

## **Modification History**

Release 1. Supersedes and is equivalent to MSS015015A Evaluate sustainability impact of a process.

## **Performance Evidence**

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include the ability, for one (1) or more processes/product families, to:

- identify steps in the process and portion of manufacturing value chain
- determine ecological and sustainability impacts of processes
- determine root causes of impacts
- evaluate solution and mitigation strategies.

## **Knowledge Evidence**

Must provide evidence that demonstrates sufficient knowledge to interact with relevant personnel and be able to evaluate the impact on sustainability of an entire process/product including knowledge of:

- value chain mapping and analysis with regard to sustainability
- process and changes which occur within the process
- environmental impacts of materials and energy used/emitted
- environmental sensitivities of all areas impacted by the value chain (and related areas where impact spreads beyond immediate area, e.g. by loss of containment)
- root cause analysis and problem solving
- mitigation strategies
- benefit/cost analyses techniques
- methods of dealing with sustainability issues and the benefits arising from each
- AS/NZS ISO 14000 Environmental Management Standards (or its authorised replacement or other relevant standard).

## **Assessment Conditions**

- The unit should be assessed holistically and the judgement of competence shall be based on a holistic assessment of the evidence.
- The collection of performance evidence is best done from a report and/or folio of evidence drawn from:
  - a single project which provides sufficient evidence of the requirements of all the elements and performance criteria

- multiple smaller projects which together provide sufficient evidence of the requirements of all the elements and performance criteria.
- A third party report, or similar, may be needed to testify to the work done by the individual, particularly when the project has been done as part of a project team.
- Assessment should use a real project where the overall sustainability impact of a process is established and recommendations for mitigating negative sustainability impacts are made for an operational workplace.
- Knowledge evidence may be collected concurrently with performance evidence or through an independent process such as workbooks, written assessments or interviews (provided a record is kept).
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required including relevant workplace procedures, product and manufacturing specifications associated with this unit.
- Foundation skills are integral to competent performance of the unit and should not be assessed separately.
- Assessors must satisfy the assessor competency requirements that are in place at the time of the assessment as set by the VET regulator.
- The assessor must demonstrate both technical competency and currency.
- Technical competence can be demonstrated through:
  - relevant VET or other qualification/Statement of Attainment AND/OR
  - relevant workplace experience
- Currency can be demonstrated through:
  - performing the competency being assessed as part of current employment OR
  - having consulted with an organisation providing relevant environmental monitoring, management or technology services about performing the competency being assessed within the last twelve months.

## Links

Companion Volume implementation guides are found in VETNet -  
<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=5b04f318-804f-4dc0-9463-c3fb9a3fe998>