



Australian Government

Assessment Requirements for MSS014020 Optimise sustainability performance of a work area or process

Release: 1

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Modification History

Release 1. Unit code changed. Unit title changed. Application changed. Elements changed. Performance Criteria changed. Foundation Skills populated. Assessment Requirements changed. Supersedes and is not equivalent to MSS014010 Optimise sustainability of a process or work area.

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:

- develop and implement a plan to optimise sustainability performance of at least one work area or process.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- principles and theory of the process, equipment and systems used in the work area
- systems approach to identifying impact of sustainability improvements
- regulatory requirements related to sustainability, work health and safety (WHS) and risk control relevant to work area or process
- direct and indirect environmental impacts of materials, resources and energy used and emitted (wasted)
- current and emerging approaches to sustainability and circularity in the industry
- types of incremental and radical change for sustainability relevant to the work area or process
- 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/or managing residual resources
 - biological materials flow
 - technical materials flow
 - impact of supply chain decisions
 - role of digitalisation
- efficiency maximisation processes relevant to process or work area
- energy efficiency concepts relevant to process or work area
- effect of changes to building management system, utilities, and heating, ventilation, and air conditioning on sustainability outcomes
- basic comfort parameters and psychometrics relevant to work area

- labour utilisation concepts relevant to work area
- potential of improved workplace layout and workflow.

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

Companion Volume Implementation Guides are found in VETNet - -

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