



Australian Government

Department of Education, Employment and Workplace Relations

MSAENV272A Participate in environmentally sustainable work practices

Release: 1

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Modification History

Unit Descriptor

This competency covers the outcomes required to effectively measure current resource use and carry out improvements including those reducing negative environmental impacts of work practices.

This unit is based on the sustainability guideline standard GCSSUS01A Participate in environmentally sustainable work practices.

Application of the Unit

This competency applies to operators/team members who are required to follow procedures so as to work in an environmentally sustainable manner. This ensures regulatory compliance and also aims at minimising environmental risks and maximises the environmental performance of the process and the organisation.

It includes:

Resources used

Potential environmental hazards

Improving environmental performance (within scope of competency and authority).

Competency field

Competitive manufacturing tools

Licensing/Regulatory Information

Pre-Requisites

Employability Skills Information

Elements and Performance Criteria Pre-Content

Elements and Performance Criteria

Elements and Performance Criteria

Element	Performance Criteria
1 Identify current resource use.	1.1 Identify workplace environmental and resource efficiency issues. 1.2 Identify resources used in own work role. 1.3 Measure and record current usage of resources using appropriate techniques. 1.4 Identify and report workplace environmental hazards to appropriate personnel.
2 Comply with environmental regulations.	2.1 Follow procedures to ensure compliance. 2.2 Report environmental incidents to appropriate personnel.
3 Seek opportunities to improve resource efficiency.	3.1 Follow enterprise plans to improve environmental practices and resource efficiency. 3.2 Make suggestions for improvements to workplace practices in own work area.

Required Skills and Knowledge

This describes the essential skills and knowledge and their level required for this unit.

Competency includes sufficient knowledge to:

have a basic understanding of sustainability

know the environmental and resource hazards/risks and inefficiencies associated with own workplace (at an appropriate level)

know the relevant environmental and resource efficiency systems and procedures for own work area

know the laws and regulations to a level relevant to the work context

and the skill to

report as required by procedures

Language, literacy and numeracy requirements

This unit requires the ability to follow procedures and instructions and respond to change.

Communications skills are required to enable questions and clarifications relating to work requirements.

Writing is required to the level of interpreting required procedures and completing required workplace forms/reports.

Numeracy is required to interpret numeric workplace information, readings and measurements, handle data as required and complete numeric components of workplace forms/reports.

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, the range statement and the assessment guidelines for this training package.

Overview of assessment

A person who demonstrates competence in this unit must be able to provide evidence of the ability to develop and implement integrated sustainability policies and procedures within an enterprise. The review of the policy after implementation will also need to be evidenced.

Critical aspects for assessment and evidence required to demonstrate competency in this unit

It is essential that competence is demonstrated in the knowledge and skills defined in this unit.

These may include the ability to:

- identify resources used in their job
- identify situations likely to lead to an environmental incident
- follow procedures related to environmental performance.

Consistent performance should be demonstrated. For example, look to see that:

- work is routinely to procedures
- the minimum of resources is used consistent with the job requirements, good practice and the procedures.

Assessment method and context

Assessors must be satisfied that the person can consistently perform the unit as a whole, as defined by the Elements, Performance Criteria and skills and knowledge. A holistic approach should be taken to the assessment.

Competence in this unit may be assessed:

- by demonstration in the workplace
- using targeted questioning for appropriate portions
- by use of a suitable simulation and/or a range of case studies/scenarios
- by a combination of these techniques.

In all cases it is expected that practical assessment will be combined with targeted questioning to assess the underpinning knowledge and theoretical assessment will be combined with appropriate practical/simulation or similar assessment. Assessors need to be aware of any cultural issues that may affect responses to questions.

Assessment processes and techniques must be culturally appropriate and appropriate to the oracy, language and literacy capacity of the assessee and the work being performed.

Specific resources for assessment

This section should be read in conjunction with the range of variables for this unit of competency. Resources required include suitable access to an operating plant or equipment that allows for appropriate and realistic simulation. A bank of case studies/scenarios and questions will also be required to the extent that they form part of the assessment method. Questioning may take place either in the workplace, or in an adjacent, quiet facility such as an office or lunchroom. No other special resources are required.

Access must be provided to appropriate learning and/or assessment support when required. Where applicable, physical resources should include equipment modified for people with disabilities.

Range Statement

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Add any essential operating conditions that may be present with training and assessment depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts. Where reference is made to industry codes of practice, and/or Australian/international standards, the latest version must be used.

Context

This competency applies to all sectors of the manufacturing industry. It may also be applied to all sections of an organisation, including office, warehouse etc. This unit will need to be appropriately contextualised as it is applied across an organisation and across different industry sectors.

Procedures

All operations are performed in accordance with procedures.

Procedures include all relevant workplace procedures, work instructions, temporary instructions and relevant industry and government codes and standards.

Environmental and resource efficiency issues

Environmental and resource efficiency issues include minimisation of environmental risks and maximisation of opportunities to improve business environmental performance and to promote more efficient production and consumption of natural resources, for example by:

minimisation of waste, through implementation of the waste management hierarchy

efficient energy use, seeking alternative sources of energy

efficient water use

efficient use of materials and appropriate disposal of waste.

Appropriate techniques

Appropriate techniques include:

material fed to/consumed by plant/equipment

plant meters and gauges

job cards including kanbans

examination of invoices from suppliers

measurements made under different conditions

examination of relevant information and data.

Compliance

Compliance includes meeting relevant federal, state and local government laws, by-laws and regulations.

Incidents

Incidents include:

breaches or potential breaches of regulations

occurrences outside of standard procedure which may lead to lower environmental performance.

Enterprise plans

Enterprise plans include:

documented policies and procedures

work plans to minimise waste, increase efficiency of water use etc.

Suggestions

Suggestions includes ideas that help to:

prevent and minimise environmental risks and maximise opportunities

reduce emissions of greenhouse gases
reduce use of non-renewable resources
improve energy efficiency
increase use of renewable, recyclable, reusable and recoverable resources
reduce waste
increasing the reusability/recyclability of wastes/products.

Unit Sector(s)