Draft 0.1

This is our work-in-progress update to CPCSUS4001A Implement and monitor environmentally sustainable work practices: https://training.gov.au/Training/Details/CPCSUS4001A.

We are working with industry experts to ensure the updated unit:

- meets current and anticipated industry needs
- complies with current Standards for Training Packages
- is written in clear understandable English.

Information on our training package review and development process is available here: http://www.artibus.com.au/project-stage.

Summary of changes from current endorsed unit

Re-templated to meet Standards for Training Packages 2012.

Sequenced Elements and Performance Criteria.

Specified what and how performance is demonstrated in Performance Evidence.

Captured critical Range Statement items and included industry relevant knowledge in Knowledge Evidence.

Stated mandatory conditions and specific requirements for assessment.

CPCSUS4001
Implement and monitor environmentally sustainable work practices

Application

This unit of competency specifies the outcomes required to effectively analyse, implement and monitor environmentally sustainable work practices and their effectiveness in the workplace. It includes contributing to consumer environmental efficiency.

This unit of competency applies to those with the responsibility for a specific area or worksite and develop processes and tools and lead a work group or team to improve environmental sustainability.

This unit is suitable for those using specialised knowledge to complete routine and non-routine tasks and using their own judgement to deal with predictable and sometimes unpredictable problems.

The context of this competency applies to all sectors of the construction industry. It may be applied to all sections of an organisation, including a work site, designated work area, in transit and/or an office.

Prerequisite Unit

Nil.

Unit Sector

Construction.

Elements and Performance Criteria

1. Investigate current practices in relation to resource usage.	1.1	Identify current and relevant environmental regulations applying to the organisation.
	1.2	Assess procedures and practices for ensuring compliance with environmental regulations.
	1.3	Collect data and information on environmental and resource efficiency systems and procedures.
	1.4	Analyse and document current purchasing strategies.
	1.5	Access and analyse information and data for current work processes and products.
	1.6	Measure and document current resource usage of the work group and provide findings to stakeholders, key personnel and specialists.
2. Set targets for improvement.	2.1	Seek input and feedback regarding process inefficiencies, environmental hazards and risks and opportunities for improvements from stakeholders, key personnel and specialists.
	2.2	Source external information and data from supplier and contractor invoices, tenders and quotes.
	2.3	Evaluate alternative solutions to work site environmental issues.

	2.4	Set efficiency targets.
3. Implement performance improvement strategies.	3.1	Source and implement techniques, tools, technology and strategies to assist in achieving targets.
	3.2	Apply workplace continuous improvement strategies and communicate solutions to stakeholders, key personnel and specialists.
	3.3	Integrate and implement workplace environmental and resource efficiency improvement plans in conjunction with other operational activities.
	3.4	Cost full value of environmental strategies against current assets and expenditure.
	3.5	Seek feedback, ideas and suggested actions regarding implemented environmental and resource efficiency plans from management, stakeholders, key personnel and specialists.
4. Monitor performance.	4.1	Document outcomes and communicate reports on targets to key personnel and stakeholders.
	4.2	Re-evaluate environmental strategies.
	4.3	Review and readjust targets and modify new tools and strategies.
	4.4	Promote successful strategies and, where possible, reward participants.

Foundation Skills

As well as the foundation skills explicit in the performance criteria of this unit, candidates require:

- numeracy skills to:
  - collect, interpret and measure data to identify and improve sustainable practices
- technology skills to:
  - use communication tools and devices to communicate and collaborate effectively with others
  - use equipment and programs to access, extract information and develop relevant documentation

Unit Mapping Information

Supersedes and equivalent to CPCSUS4001A Implement and monitor environmentally sustainable work practices.

Links

Companion Volume Implementation Guide: to be added.

Assessment Requirements for CPCSUS4001 Implement and monitor environmentally sustainable work practices

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by analysing and monitoring effective sustainable workplace practices on a construction project work site.

In doing this, the candidate must:

- access, collect, analyse and organise data from a variety of sources to inform and advise opportunities for improvement
- devise strategies and practices to improve environmental and resource efficiency
- develop and implement improvement plan and introduce tools and technology.

Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- government legislation, regulation, codes and standards:
    - Environmental Protection
    - Biodiversity Conservation Act
    - National Construction Code
- environmental and sustainability practices:
    - efficient use of resources and materials
    - maximising opportunities to use renewable, recyclable, reusable and recoverable resources
    - management and treatment of waste and waste products
    - implementing and using alternative practices, procedures or materials to reduce or eliminate resource consumption on work site
    - eliminating the use of hazardous and toxic materials
    - addressing environmental and resource sustainability initiatives
    - referring to federal government five-star rating for all new homes
- workplace environmental and sustainability issues:
    - how tradespersons can contribute to environmental sustainability
    - hazards and risks associated with work site supervision
    - job specifications and strategies and procedures to maximise opportunities and minimise impacts
- environment industry associations
- methods, techniques and tools to measure environmental impact:
    - accessing the skills of others as appropriate to the specific industry context
    - environmental site management plans
    - examination of invoices from suppliers
    - examination of relevant information and data

    - integration of environmental and sustainability specifications in quotes and tenders
    - measurements made under different conditions
    - recommendation of sustainable products and practices to stakeholders
- workplace safety requirements:
    - hierarchy of control
    - risk management

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

Assessment of performance must be undertaken in the workplace or in a simulated workplace environment.

Candidates must be provided with:

- government regulations, codes and standards
- current project plans, specifications and manufacturer's product information
- environmental and sustainability legislation and requirements
- organisational quality assurance documents and workplace safety requirements
- sufficient materials and equipment to facilitate and implement environmental and sustainable work practices

Links

Companion Volume Implementation Guide: to be added.