Draft 0.1

This is our work-in-progress update to CPCCBC4006B Select, procure and store construction materials for low rise projects: https://training.gov.au/Training/Details/CPCCBC4006B.

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.

CPCCBC4006
Select, procure and store construction materials for low rise projects

Application

This unit of competency specifies the skills and knowledge required to supervise the systems through which construction materials are typically selected, acquired and stored on site for low rise projects. It includes identifying non-compliant materials to ensure the delivered construction materials meet Building Code of Australia (BCA) and contract and service specifications.

It applies to builders, managers and industry professionals responsible for applying quality standards when procuring and supervising on site compliant construction materials.

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.

Prerequisite Unit

Nil.

Unit Sector

Construction.

Elements and Performance Criteria

1. Identify and evaluate building materials.	1.1	Identify and read current and relevant project plans, specifications, codes and construction requirements.
	1.2	Identify properties of specified materials their suitability for the building project in the region.
	1.3	Evaluate materials based on their quality, compatibility and compliance.
	1.4	Establish environmental impacts of materials.
	1.5	Determine impact of allowable tolerances on the conversion of naturally occurring materials.
	1.6	Establish material assembly and installation tolerances to meet requirements of relevant construction industry standards.
2. Select and procure building material.	2.1	Select materials that are structurally adequate and appropriate for the building system specified in the contract.
	2.2	Select materials for their safety, fire resistance rating, suitability, durability, serviceability and cost effectiveness.
	2.3	Consider short and long-term degradation of materials in relation to the building's proposed life cycle.
	2.4	Evaluate and consider alternative materials if specified materials are unavailable or unsuitable.

	2.5	Finalise selection of materials for use in accordance with contractual requirements and in consultation with relevant professionals and the client.
	2.6	Procure and order materials following organisation's purchasing requirements.
3. Supervise on-site delivery and storage of materials.	3.1	Determine limitations and effects of transportation on materials and components and action potentially damaging circumstances.
	3.2	Check delivered materials are compliant with specifications, are not damaged and corresponds with delivery order.
	3.3	Allocate and supervise safe storage space, security and protection of materials to meet manufacturer specifications.
	3.4	Implement and maintain processes for inspecting all materials delivered on site for quantity, quality, defects, damage and safe storage.
	3.5	Inform relevant persons of actions relating to quality and inconsistencies of delivered building materials.
	3.6	Instruct relevant persons of established workplace safety requirements when accepting and storing delivered materials.
	3.7	Maintain records of deliveries, damaged and inferior materials and variations to specified materials.

Foundation Skills

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

- technology skills to:
  - use digital 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 CPCCBC4006B Select, procure and store construction materials for low rise projects.

Links

Companion Volume Implementation Guide: to be added.

Assessment Requirements for CPCCBC4006 Select, procure and store construction materials for low rise projects

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by selecting, procuring and organising the delivery and safe on-site storage of a low rise construction project.

In doing this, the candidate must:

- analyse reports, manufacturer specification and other reference material regarding material technologies, sustainability and environmental efficiency
- test and measure products against relevant industry standards
- develop, supervise and maintain systems to select, acquire and store project materials on site
- seek expert appraisal from relevant industry professionals, architects, designers and engineers for selecting and procuring alternative materials.

Knowledge Evidence

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

- relevant government building and construction legislation
- project plans, specifications, standards and codes, including
- National Construction Code (NCC)
- properties, applications and limitations of specified building materials, products and components
- alternative sustainable materials:
    - structural insulated panel systems
    - mud brick, straw bale, hemp
- construction supply processes and systems
- processes, procedures and techniques for:
    - identifying materials form plans and specifications
    - selecting and ordering compliant materials
    - external quality testing or inspection of materials to meet industry standards
    - referencing external reports and manufacturer's specifications
    - seeking expert appraisal from architects, designers, engineers and relevant industry experts
    - refusing to accept non-compliant or substandard materials and taking appropriate action
- operational and functional features of materials handling equipment
- workplace safety:
    - relevant work health and safety (WHS) act and regulations

- hierarchy of control
- hazardous manual tasks
- mechanical material handling
- licensing and competency for operating mechanical material handling equipment.

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:

- relevant government building legislation, codes and standards
- National Construction Code
- project plans, specifications and manufacturer's instructions
- relevant organisational policies and procedures
- workplace safety requirements
- sufficient equipment and materials to facilitate the selecting, procuring and storing of construction materials for a low rise project.

Links

Companion Volume Implementation Guide: to be added.