



Australian Government

CPCCBBC4007 Plan building and construction work

Release: 3

CPCBC4007 Plan building and construction work

Modification History

- Release 3 Updated reference to general construction induction training program.
- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.
Performance Evidence formatted for clarity.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
Supersedes and is equivalent to CPCBC4007A Plan building or construction work. Minor change to title. Updated to meet the Standards for Training Packages 2012.

Application

This unit of competency specifies the skills and knowledge required to plan on-site activities, employ human resources and obtain physical resources. It includes sequencing construction tasks, identifying appropriate skilled labour, physical resources and suppliers and assessing their availability, and developing documentation and advice for relevant authorities.

The unit of competency applies to those who decide on and arrange building and construction work for residential and commercial projects.

This unit of competency is suitable for builders, site managers, forepersons and other construction industry professionals using specialised knowledge to complete routine and non-routine tasks and using their own judgement to deal with predictable and sometimes unpredictable problems.

Completion of the general construction induction training program specified by the model Code of Practice for Construction Work is required for any person who is to carry out construction work. Achievement of *CPCWHS1001 Prepare to work safely in the construction industry* meets this requirement.

Licensing, regulatory or registration requirements apply to this unit of competency in some jurisdictions. Relevant state and territory regulatory authorities should be consulted to confirm these requirements.

Pre-requisite Unit

Nil.

Unit Sector

Building and Construction

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

- | | |
|--------------------------------------|--|
| 1 Identify operational requirements. | 1.1 Read contract documentation to identify any unusual aspects of construction, use of materials or penalties. |
| | 1.2 Determine availability of selected subcontractors to suit the job requirements. |
| | 1.3 Assess and confirm availability of materials with suppliers. |
| | 1.4 Identify site access requirements and limitations and organise site entry. |
| | 1.5 Determine project commencement date and prepare and submit documentation for authorities controlling construction work. |
| | 1.6 Implement procedures for accepting and recording site deliveries. |
| | 1.7 Identify and implement relevant work health and safety (WHS) requirements. |
| 2 Plan for construction operations. | 2.1 Identify organisational strategies for implementing construction operations. |
| | 2.2 Review procedures for recording the hire of plant and equipment. |
| | 2.3 Review procedures for the removal of existing services and hazardous materials in accordance with Environment Protection Authority (EPA) requirements. |
| 3 Prepare project schedule. | 3.1 Sequence construction operations. |
| | 3.2 Create project schedule using appropriate technology. |
| | 3.3 Define critical path of the project and revise during the |

		life of the project.
	3.4	Adjust project timeframes to account for anticipated delays.
4 Determine required resources.	4.1	Determine and document temporary services and site accommodation requirements.
	4.2	Determine and document materials and plant requirements and availability dates according to contract documentation.
	4.3	Determine and document on-site labour requirements according to contract documentation.
5 Prepare and submit condition reports.	5.1	Negotiate access to inspect condition of external structure and internal finishing of adjacent properties.
	5.2	Compile and complete reports on the condition of existing buildings and structures on adjacent site boundaries.
	5.3	Forward copies of condition reports to the owners of adjacent buildings prior to commencing construction.

Foundation Skills

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

- technology skills to:
 - use communication tools and devices to communicate and collaborate effectively with others
 - use equipment and programs to access and extract information and develop relevant project schedules and documentation.

Unit Mapping Information

Supersedes and is equivalent to CPCBC4007A Plan building or construction work

Links

Companion volumes to this training package are available at the VETNet website -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

Assessment Requirements for CPCBC4007 Plan building and construction work

Modification History

- Release 3 Updated reference to general construction induction training program.
- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.
Performance Evidence formatted for clarity.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
Supersedes and is equivalent to CPCBC4007A Plan building or construction work. Minor change to title. Updated to meet the Standards for Training Packages 2012.

Performance Evidence

To demonstrate competency, a candidate must meet the elements and performance criteria of this unit by planning construction work for one building and construction project.

In doing this, the candidate must:

- develop a project schedule and associated documentation for:
 - delivery of materials and plant and equipment
 - commencement dates for on site contractors
 - milestones and deliverables
 - project critical path and timeframes
 - contingencies for breakdown of activities.

Knowledge Evidence

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

- relevant government building and construction legislation, codes and standards
- types of building and construction industry contracts
- project plans and specifications
- sustainability and environmental requirements
- workplace safety:
 - work health and safety (WHS) Acts and regulations
 - hierarchy of control
- project management techniques

- organisation strategies and processes:
 - briefing internal personnel, external agencies and clients
 - calling for tenders for subcontractor operations
 - appointing project managers and construction supervisors
 - purchasing building supplies and construction materials
 - refining project critical path information
- building and construction industry subcontractor system
- internal documentation systems:
 - applications for permits and service connections
 - environmental applications
 - parking restriction applications
- project schedule:
 - human resource schedule
 - material delivery schedule
 - project critical path
 - project timeframes
 - scheduling plant and equipment.

Assessment Conditions

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

Assessment can be undertaken in the workplace or in a simulated workplace environment.

A simulated environment is one that realistically replicates workplace conditions, materials and equipment, interactions with others and workplace irregularities, and which meets industry standards for safety and environmental practices.

Candidates must have access to:

- current relevant government legislation
- current relevant building and construction codes and standards
- construction drawings, site plans and specifications
- organisational policies, procedures and other quality documentation to undertake the performance criteria and evidence requirements
- digital devices, applications and software to create project schedules and documentation.

Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>