



Australian Government

CPCCB4015 Prepare specifications for all construction works

Release: 2

CPCBC4015 Prepare specifications for all construction works

Modification History

Release 2 Updated reference to general construction induction training program.

Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

Supersedes and is equivalent to CPCBC4015A Prepare specifications for all construction works. Updated to meet the Standards for Training Packages 2012.

Application

This unit of competency specifies the skills and knowledge required to prepare clearly understood specifications for construction works that may range from an outline to a more detailed specification. It includes establishing the level of detail required in inherent contractual obligations and developing the work specifications.

It applies to National Construction Code (NCC) classifications:

- Residential - Class 1 and 10 buildings, maximum two storeys
- • Commercial - Class 2 to 9, Type C only constructions.

This unit of competency applies to builders, site managers, estimators, forepersons and other construction industry personnel responsible for specifying materials, project timelines and quality of work for residential and commercial construction projects.

This unit of competency 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.

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.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

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.

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| 1 Determine specification requirements. | 1.1 Read and identify prescriptive and performance requirements from development approval, project brief, working drawings, codes and other relevant documents. |
| | 1.2 Determine suitability of information for adaptation into the current project. |
| | 1.3 Identify scope of works. |
| | 1.4 Ascertain contractual obligations and, where necessary, seek clarification and advice from specialists. |
| 2 Assess the nature and scope of the work. | 2.1 Conduct site inspection to establish and record site layout, details and features and preliminary site-work requirements. |
| | 2.2 Evaluate the relevant details and level of quality necessary to carry out the nature and scope of work. |
| | 2.3 Undertake research to establish appropriate schedules, using relevant data sources. |
| | 2.4 Tabulate and cross-reference details to ensure consistency between the design brief, working drawings and specifications. |
| | 2.5 Provide details in the specification that conform to industry codes of practice, Australian Standards and relevant statutory requirements. |
| 3 Prepare the specification document. | 3.1 Identify the contractual obligations and rights of the parties involved in the specification. |
| | 3.2 Collate and add relevant information requested from specialists, colleagues, suppliers, manufacturers and clients. |
| | 3.3 Complete specification document, check and edit thoroughly for compliance with requirements. |
| | 3.4 Present specification to the client in the required format |

and timeframe.

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 and extract information and develop relevant documentation.
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Unit Mapping Information

Supersedes and is equivalent to CPCCB4015A Prepare specifications for all construction works

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 CPCCBBC4015 Prepare specifications for all construction works

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Performance Evidence

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

In doing this, the candidate must:

- arrange researched work specification information into easily understood formats
- draft the specification free of any ambiguities
- structure the specification document using correct terminology and link to other relevant construction documentation
- attach evidence of suitability, as stated in the National Construction Code (NCC), from supplier or manufacturer to repudiate non-conforming building products
- complete the specification to meet National Specification System of Australia (NATSPEC) and other relevant standards applicable to the building project.

Knowledge Evidence

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

- NATSPEC and other relevant industry standard specifications and codes
- building project scope of work:
 - standards of work
 - work schedules
 - milestones
- prescriptive requirements:
 - performance requirements
 - detail relating to materials and quality of work
 - nominated subcontractors
 - provision and costs of site access and facilities
- contractual obligations:

- expected performance levels
- insurance requirements
- work health and safety (WHS) issues
- type of tender
- organisational quality assurance relating to works specifications
- relevant legislation:
 - contract law
 - consumer protection legislation
 - WHS
- requirements of evidence of suitability stated in the NCC
- documentation requirements arising from building information modelling (BIM).

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:

- relevant government regulations, codes and standards
- current project plans, building specifications and manufacturer's product information
- organisational policies, procedures and other quality documentation to undertake the performance criteria and evidence requirements
- NATSPEC and other industry standard specifications
- digital devices, applications and software to prepare construction specifications.

Links

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