



Australian Government

CPPBDN8103 Scope and initiate large and complex building design projects

Release: 1

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Modification History

Release 1 This version first released with CPP Property Services Training Package Release 11.0.

Supersedes and is equivalent to CPPBDN8003A Scope and initiate large and complex building design projects. Updated to meet the Standards for Training Packages 2012.

Application

This unit specifies the skills and knowledge required to scope and establish large scale and complex building design projects by consulting with clients and identifying project parameters, vision, budget and required personnel. It includes finalising the contract for the work. Large scale and complex projects involve any building classification and construction type, as defined in the National Construction Code (NCC), including Type A buildings.

This unit is suitable for experienced building designers who apply broad and coherent theoretical and technical knowledge and highly specialised skills to manage building design projects with autonomy and judgement and to deal with sometimes complex and unpredictable contingencies.

This unit forms part of the licensing requirements for people engaged in building design in some states and territories. For further information, check with the relevant regulatory authority.

Pre-requisite Unit

Nil.

Unit Sector

Building Design

Elements and Performance Criteria

Elements describe the essential outcomes.

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

1 Establish client requirements.

1.1 Consult client to determine business objectives, parameters and budget for building project.

- 1.2 Negotiate with client to clarify designer role, level of service to be provided and deliverables.
 - 1.3 Determine agreed timelines for project completion.
 - 1.4 Communicate with client to advise constraints and potential risks to project progress.
 - 1.5 Finalise and document agreed formal project brief.
- 2 Assemble project team.
 - 2.1 Determine and document skills required to fulfil project brief within required timeframes.
 - 2.2 Identify internal and external personnel requirements for project.
 - 2.3 Determine roles of all project personnel.
 - 2.4 Integrate work of external personnel into overall project.
- 3 Finalise project requirements.
 - 3.1 Determine resources required to undertake project.
 - 3.2 Research business costs associated with completion of building design project.
 - 3.3 Prepare and document project budget.
 - 3.4 Determine work scheduling to meet contractual requirements.
 - 3.5 Establish risk mitigation strategies for project.
- 4 Negotiate and finalise costs and contracts.
 - 4.1 Seek legal and financial advice as required.
 - 4.2 Negotiate and finalise project budget with client.
 - 4.3 Negotiate and finalise contracts with relevant professionals.
 - 4.4 Negotiate and finalise contract between building designer and client.

Foundation Skills

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

- reading skills to:
 - research and interpret compliance requirements for building project
 - interpret and apply complex technical information in contracts, legislation, regulations, codes of practice and standards
- numeracy skills to budget and manage project finances
- written and oral skills to communicate appropriately for the audience and situation.

Unit Mapping Information

Supersedes and is equivalent to CPPBDN8003A Scope and initiate large and complex building design projects.

Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b>

Assessment Requirements for CPPBDN8103 Scope and initiate large and complex building design projects

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Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by:

- negotiating and finalising design briefs and contracts
- assembling a project team
- developing project schedule and budget

for one building design project involving Type A construction as defined in the National Construction Code (NCC).

Knowledge Evidence

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

- relevant local, state/territory and national legislative, industry and workplace requirements:
 - work health and safety (WHS)
 - construction materials and methods
 - contractual requirements and business implications
- key components and process for business costings:
 - business administration and management costs
 - business insurances and professional indemnity insurance
 - professional fees to lawyers and accountants
 - staff salaries and on-costs
 - subcontractor costs
 - technology costs
 - workplace resource requirements to undertake large and complex projects
 - risk management processes
- planning requirements, schemes and processes
- compliance relating to construction Type A building design projects:

- Australian Standards
 - NCC deemed-to-satisfy (DTS) and alternative solution requirements
 - local, state and national codes and standards
 - sources of reliable information on compliance requirements
- constraints and potential risks associated with large and complex building design projects:
 - difficulties associated with the nature or complexity of the project itself
 - reliance on gaining input from external professionals in a timely manner
 - operation within a complex and rigid regulatory and compliance system
 - time delays due to the planning process.

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations. Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting where these skills and knowledge would be performed. This includes access to:

- computer with internet access and word processing software
- relevant legislation, regulations, codes and standards
- technical references with current and relevant information on building design.

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