



Australian Government

CPPBDN5110 Inspect and assess sites to inform the design process

Release: 1

CPPBDN5110 Inspect and assess sites to inform the design process

Modification History

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

Supersedes and is equivalent to CPPBDN5007A Inspect and analyse sites and produce measured drawings for small-scale building design projects. Title adjusted to better reflect unit outcome. Updated to meet the Standards for Training Packages 2012.

Application

This unit specifies the skills and knowledge required to examine building design project sites and surveyor's drawings to identify contours and measurements, existing conditions, structures, features and services and neighbourhood characteristics. It includes determining site orientation and layout, access and egress points, and existing utilities and services infrastructure, and producing measured drawings. It includes using basic measuring equipment and recording and interpreting data.

The unit does not apply to construction Type A buildings. Building classifications and construction Types are set out in the National Construction Code (NCC).

This unit is suitable for drafters and building designers who apply technical and theoretical knowledge and skills to building design work tasks.

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.

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| 1 Prepare to carry out site measure-up. | 1.1 | Plan site inspection tasks for small-scale building design project with reference to relevant site information and workplace requirements. |
| | 1.2 | Identify and document work health and safety (WHS) hazards and implement required controls. |
| | 1.3 | Identify required devices and equipment for measure-up. |
| | 1.4 | Perform desk-top assessment prior to site visit using online resources to obtain relevant site information. |
| 2 Assess and record site and building information. | 2.1 | Establish context of development by identifying relationship of site to adjoining properties and surrounding environment. |
| | 2.2 | Note physical characteristics and local climate conditions of site. |
| | 2.3 | Produce field sketches which accurately record site and building elements that are transferable to accurate, scaled measured drawing format. |
| | 2.4 | Take digital images of relevant site and building elements to assist in development of accurate scaled and measured drawings. |
| | 2.5 | Use basic measuring equipment to measure and record accurate linear site dimensions according to workplace requirements. |
| 3 Produce measured drawings and documentation for existing conditions. | 3.1 | Collate site analysis data to determine site features, existing conditions and contour levels. |
| | 3.2 | Clearly and accurately document results of analysis for interpretation by others. |
| | 3.3 | Apply site survey and site analysis data to measured drawings. |
| | 3.4 | Produce accurate representation of site and building elements for measured drawings. |

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| 4 Use land surveyor's drawings to plot contours and cut and fill areas. | 4.1 | Examine site survey from registered land surveyor to plot spot levels. |
| | 4.2 | Interpolate contour lines from spot level values and plot on site plan. |
| | 4.3 | Measure or calculate cut and fill areas and plot in plan and section drawings. |

Foundation Skills

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

- reading skills to:
 - interpret complex documents, including client briefs, land titles and site plans
 - correlate site information from different sources
- written and oral skills to communicate appropriately for the audience and situation.

Unit Mapping Information

Supersedes and is equivalent to CPPBDN5007A Inspect and analyse sites and produce measured drawings for small-scale building design projects.

Title adjusted to better reflect unit outcome.

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 CPPBDN5110 Inspect and assess sites to inform the design process

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Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by inspecting two sites for small-scale building design projects, each site having different features and characteristics and including the following:

- undertake a basic measure-up and a detailed site analysis
- produce measured drawings and documentation detailing site information and building elements.

Knowledge Evidence

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

- relevant measuring equipment and application:
 - measuring tape
 - laser distance measurer
 - string line
- contemporary, new and emerging measuring equipment used by building designers
- work health and safety (WHS) requirements for inspecting and assessing sites
- operating procedures for basic devices and measuring equipment
- architectural styles and terminology
- features of surveyors' drawings
- different sources of site information.

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:

- relevant documentation, including land title, site plan and registered surveyor's drawings
- relevant devices and equipment.

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