



Australian Government

Assessment Requirements for CPCCST4005 Prepare drawings for heritage works

Release: 2

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Modification History

- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.
- Unit Sector changed. Element 2.4 added to Performance Criteria. Foundation Skills formatted for clarity.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
- Supersedes and equivalent to CPCCBC4037A Prepare drawings for heritage works. Updated to meet the Standards for Training Packages 2012.

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by carrying out the necessary preparatory processes and developing at least two examples of each form of drawing specified, using sample or case study heritage projects for any of the buildings listed below:

- built or sculptured artefacts
- cathedrals and churches
- civic buildings
- commercial and retail buildings
- government buildings
- houses
- mansions
- out buildings
- wharves

In doing this, the candidate must:

- demonstrate application of conservation principles and consultative processes associated with preservation of historic structures
- comply with Work Health and Safety (WHS) regulations applicable to workplace operations
- apply organisational quality procedures and processes within the context of preparing drawings to conservation requirements
- apply recording and identification system for measurements, locations and details
- select and use appropriate processes, instruments and equipment to measure and record information

- use appropriate and safe techniques to obtain measurements and details
- apply accurate techniques in preparing information for related drawings
- select and use appropriate techniques to ascertain accurate analysis of featured design shapes
- apply techniques to ensure all relevant information is included in orthographic description
- select and use appropriate techniques to produce accurate, sharp and complete drawings.

Knowledge Evidence

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

- Australian standards - AS1100.101 and AS1100.301
- conservation processes, including good conservation practice arising from principles of Burra Charter
- finishing trade applications to materials
- methods and processes relating to historic building construction, including the range and use of building materials, structure of buildings and drafting techniques:
 - drawings:
 - development:
 - computer aided drafting
 - drafting techniques
 - drawings developed in accordance with National Trust guidelines or AS1100.101 - 1992 Technical Drawing - General Principles, and AS1100.301 - 1985 Architectural Drawing.
 - orthographic descriptions:
 - front, rear and side elevations
 - plans
 - sectional elevations
 - sectional plans
 - sectioned detail drawings:
 - ceiling and roof framing construction
 - ceiling construction
 - chimney construction
 - cladding details
 - external wall construction
 - fence construction
 - footings and foundation
 - internal wall construction
 - roofing details
 - sub-floor construction
 - methods to determine dimensions:
 - accurately trace shapes or features

- calculate height by use of levelling equipment and/or trigonometry
- physically tape and measure all internal and external measurement
- scale proportion of roof, chimney and spire heights from photograph where wall height is determined
- methods of measuring
- relevant architectural knowledge, including orders of architecture and the characteristics and features of period architecture:
 - feature work:
 - decorative tiling
 - mosaic tiling
 - ornamental mouldings
 - ornamental plasterwork
 - ornamental stonework
 - types of historical or significant buildings:
 - built or sculptured artefacts
 - cathedrals and churches
 - civic buildings
 - commercial and retail buildings
 - doors
 - external features
 - fences
 - government buildings
 - houses
 - mansions
 - out buildings
 - walls
 - wharves
 - windows
- workplace and equipment safety requirements, including relevant statutory regulations, codes and standards.

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. Tasks are to be performed to the level of proficiency and within the time limits expected in a workplace.

Assessors are responsible for ensuring that the person demonstrating competency has access to:

- historic locations appropriate to competency range

- drafting and computer equipment
- equipment relevant to measuring processes.

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>