



Australian Government

**Assessment Requirements for
CPCCE4005 Apply structural principles
to the planning of the demolition of a
structure**

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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.
New unit.

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by applying structural principles to the demolition planning of two different structures on two different demolition projects.

Performance must include:

- analysing the structural integrity of structures
- applying structural principles to the planning of demolition projects
- evaluating worksites prior to demolition.

Knowledge Evidence

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

- the compliance requirements of the relevant Australian Standards, Building Code of Australia (BCA), model codes of practice, environmental and work health and safety (WHS) legislation
- applications of structural principles in buildings
- design principles and behaviour of structural members undergoing stress, strain, compression, bending or combined actions
- interpretation and analysis of work drawings and specifications
- nature of materials and effect of performance during demolition of structures
- structural principles
- materials
- industry professionals
- documentation
- structural floor systems
- structural wall systems
- wall cladding systems
- relevant services

- structural roof systems
- roof cladding systems.

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.

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

- documentation, including design brief drawings, specifications, codes, design concepts, construction schedules and other necessary supporting documents
- research resources, access to relevant legislation, regulations and codes of practice
- relevant computer software and hardware.

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>