

CPCCDE3019 Demolish small buildings and structures using hand tools and small plant and equipment

Application

This unit of competency specifies the skills and knowledge required to select and use hand tools, small plant and equipment safely and effectively to demolish small buildings and structures. Manual demolition processes include dismantling or demolishing and removing materials and component parts of a building or structure using only hand tools, small plant and equipment.

The unit applies to workers performing on-site specialist demolition work using powered small plant and equipment on public, residential, commercial and industrial buildings.

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 unit CPCCWHS1001 *Prepare to work safely in the construction industry* meets this requirement.

Licensing, legislative, regulatory or certification requirements apply to demolition work in different states and territories. Candidates are advised to consult with the relevant regulatory authorities.

Prerequisite Unit

CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry

Elements and Performance Criteria

Elements	Performance criteria
1. Plan and prepare for work.	<ul style="list-style-type: none">1.1 Obtain work instructions using required information, confirm and apply to planning and preparation.1.2 Complete tasks according to regulatory, legislative and workplace policies and requirements.1.3 Identify and apply work health and safety (WHS) requirements to task planning.1.4 Select and check hand tools, small plant and equipment to carry out tasks consistent with job requirements, check for serviceability, and rectify and report faults before work begins.1.5 Identify environmental requirements for the project.1.6 Identify, select and fit personal protective equipment (PPE).

Elements	Performance criteria
2. Prepare demolition site.	<p>2.1 Confirm demolition tasks and determine requirements of site demolition plan.</p> <p>2.2 Conduct site inspection to determine condition of worksite and surrounds before work begins.</p> <p>2.3 Obtain confirmation from supervisor and regulatory authorities that relevant services have been disconnected and identify services that will remain live on the demolition site.</p> <p>2.4 Identify hazardous material for separate handling.</p> <p>2.5 Identify requirements for safe work at heights, including fall protection devices, and ensure these are installed.</p> <p>2.6 Ensure small plant and equipment are positioned in operating locations and arrange appropriate exclusion zones and traffic control.</p> <p>2.7 Protect and secure site according to compliance requirements and unauthorised access is prevented.</p>
3. Dismantle or demolish building components.	<p>3.1 Dismantle or demolish and remove building components in a directed sequence according to site demolition plan and safe work method statements (SWMS).</p> <p>3.2 Operate selected types of small plant to carry out demolition of building components.</p> <p>3.3 Maintain communication with team members during the demolition process.</p> <p>3.4 Monitor worksite conditions and progress in consultation with team members and stop work or adjust techniques as required.</p>
4. Sort and store demolition materials and waste.	<p>4.1 Relocate removed components to storage or disposal area.</p> <p>4.2 Handle materials and building components safely and effectively using selected material handling techniques.</p> <p>4.3 Identify materials and components for salvaging and handle, store and stack these ready for transport according to standard material handling practices.</p>
5. Clean up work area.	<p>5.1 Clear work area and dispose, reuse or recycle materials.</p> <p>5.2 Clean, check, maintain and store plant, tools and equipment.</p>

Foundation Skills

This section describes the language, literacy, numeracy and employment skills essential to performance in this unit but not explicit in the performance criteria:

- numeracy skills to:
 - check levels of lubricants in equipment
 - estimate weights of volumes of demolition debris and recyclable materials
 - perform measurements and calculations associated with work, such as when determining specified length of wall to be removed
- writing skills to complete:
 - pre-operational checklists and equipment fault forms.

Unit Mapping Information

Supersedes and is equivalent to CPCCDE3019A Demolish small buildings and structures using hand tools and small plant and equipment.

Links

Companion Volumes to this Training Package are available at the VETNet website

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

Assessment Requirements for CPCCE3019

Demolish small buildings and structures using hand tools and small plant and equipment

Performance Evidence

To demonstrate competency in this unit, a candidate must use hand tools, small plant and equipment to demolish a small building or structure, including removing at least four of the following components:

- fixtures and fittings
- a pitched metal/tiled roof
- trusses
- ceiling
- external and internal walls
- floor and floor support system.

In doing this, the candidate must meet the performance criteria for this unit.

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
- general construction terminology
- hazards associated with demolition tasks
- demolition processes and techniques for small structures
- procedures for material storage and environmentally friendly waste management
- types of small plant, tools and equipment used in the demolition of small buildings:
 - applications
 - characteristics
 - limitations
 - maintenance requirements
 - methods of operation
- quality requirements relating to the demolition of small structures
- work and equipment safety requirements that apply to the demolition of small buildings and structures.

Assessment Conditions

Assessors must satisfy 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:

- worksite/s and specifications for using hand tools, small plant and equipment to demolish small buildings and structures
- appropriate documents, materials, tools, equipment and personal protective equipment (PPE) currently used in industry
- requirements of workplace policies, procedures and demolition sites.

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