



Australian Government

Department of Education, Employment and Workplace Relations

CPCCCM2009A Carry out basic demolition

Release: 1

CPCCCM2009A Carry out basic demolition

Modification History

Not Applicable

Unit Descriptor

Unit descriptor This unit of competency specifies the outcomes required to remove components from single storey buildings and structures using basic demolition techniques. It includes the preparation of the site for the demolition process and the removal of components.

Application of the Unit

Application of the unit This unit of competency supports achievement of skills for the preparation and removal of building components from a demolition site in accordance with a site demolition plan.

Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Prerequisite units

CPCCOHS2001A	Apply OHS requirements, policies and procedures in the construction industry
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Employability Skills Information

Employability skills This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Plan and prepare.	1.1. Work instructions, including plans, specifications, quality requirements and operational details, are obtained, confirmed and applied from relevant information for planning of basic demolition processes. 1.2. Safety (OHS) requirements are followed in accordance with safety plans and policies. 1.3. Signage and barricade requirements are identified and implemented. 1.4. Plant, tools and equipment are selected to carry out tasks are consistent with job requirements, checked for serviceability, and any faults are rectified or reported prior to commencement. 1.5. Environmental requirements are identified for the project in accordance with environmental plans and statutory and regulatory authority obligations, and are applied.
2. Prepare demolition site.	2.1. Requirements of the site demolition plan are interpreted in accordance with workplace procedures and construction type. 2.2. Property/dilapidation survey is completed to assess condition of work site and surrounds prior to work commencing and for preparation of work areas. 2.3. Confirmation is obtained from supervisor/regulatory authorities that all existing services have been disconnected before commencing demolition tasks. 2.4. Hazardous material is identified for separate handling in accordance with workplace requirements and instructions.
3. Remove components.	3.1. Building components are removed in a directed sequence in accordance with site demolition plan, demolition method statement, standards and workplace procedures. 3.2. Removed components are relocated to storage or disposal area in accordance with workplace requirements. 3.3. Materials and building component parts are safely and effectively handled using selected material handling techniques. 3.4. Materials and components identified for salvaging are handled, stored and stacked ready for transport in

ELEMENT	PERFORMANCE CRITERIA
4. Clean up.	accordance with standard material handling practices and workplace procedures. 4.1. Work area is cleared and materials disposed of, reused or recycled in accordance with legislation, regulations, codes of practice and job specifications. 4.2. Plant, tools and equipment are cleaned, checked, maintained and stored in accordance with manufacturer recommendations and standard work practices.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

Required skills for this unit are:

- communication skills to:
 - determine requirements
 - enable clear and direct communication, using questioning to identify and confirm requirements, share information, listen and understand
 - follow instructions
 - read and interpret:
 - documentation from a variety of sources
 - drawings and specifications
 - report faults
 - use language and concepts appropriate to cultural differences
 - use and interpret non-verbal communication, such as hand signals
- identifying and accurately reporting to appropriate personnel any faults in tools, equipment or materials
- numeracy skills to apply measurements and make calculations
- organisational skills, including the ability to plan and set out work
- teamwork skills to work with others to action tasks and relate to people from a range of cultural and ethnic backgrounds and with varying physical and mental abilities
- technological skills to:
 - use a range of mobile technology, such as two-way radio and mobile phones

REQUIRED SKILLS AND KNOWLEDGE

- voice and hand signals to access and understand site-specific instructions.

Required knowledge

Required knowledge for this unit is:

- basic demolition processes and techniques
- construction terminology
- hazards associated with the conduct of manual demolition tasks
- job safety analysis (JSA) and safe work method statements
- material safety data sheets (MSDS)
- materials storage and environmentally friendly waste management
- plans, specifications and drawings
- quality requirements
- types, characteristics, uses and limitations of tools and equipment involved in the conduct of manual demolition processes
- workplace and equipment safety requirements.

Evidence Guide

EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment

This unit of competency could be assessed in the workplace or a close simulation of the workplace environment, provided that simulated or project-based assessment techniques fully replicate construction workplace conditions, materials, activities, responsibilities and procedures.

Critical aspects for assessment and evidence required to demonstrate competency in this unit

A person who demonstrates competency in this unit must be able to provide evidence of the ability to:

- locate, interpret and apply relevant information, standards and specifications
- comply with site safety plan and OHS legislation, regulations and codes of practice applicable to workplace operations
- comply with organisational policies and procedures, including quality requirements
- safely and effectively use tools, plant and equipment
- communicate and work effectively and safely with others
- as a minimum, given a site demolition plan and instructions, remove the fixtures and fittings, ceiling, and external and internal non-load bearing walls; and clean up, disposing or salvaging materials, ensuring:
 - correct identification of requirement and conduct of demolition
 - confirmation that wall or structure is not load bearing
 - identification and correct response to services
 - correct selection and use of appropriate processes, tools and equipment
 - completing all work to specification
 - compliance with regulations, standards and organisational quality procedures and processes.

EVIDENCE GUIDE

Context of and specific resources for assessment

This competency is to be assessed using standard and authorised work practices, safety requirements and environmental constraints.

Assessment of essential underpinning knowledge will usually be conducted in an off-site context.

Assessment is to comply with relevant regulatory or Australian standards' requirements.

Resource implications for assessment include:

- an induction procedure and requirement
- realistic tasks or simulated tasks covering the mandatory task requirements
- relevant specifications and work instructions
- tools and equipment appropriate to applying safe work practices
- support materials appropriate to activity
- workplace instructions relating to safe work practices and addressing hazards and emergencies
- material safety data sheets
- research resources, including industry related systems information.

Reasonable adjustments for people with disabilities must be made to assessment processes where required. This could include access to modified equipment and other physical resources, and the provision of appropriate assessment support.

Method of assessment

Assessment methods must:

- satisfy the endorsed Assessment Guidelines of the Construction, Plumbing and Services Training Package
- include direct observation of tasks in real or simulated work conditions, with questioning to confirm the ability to consistently identify and correctly interpret the essential underpinning knowledge required for practical application
- reinforce the integration of employability skills with workplace tasks and job roles
- confirm that competency is verified and able to be transferred to other circumstances and environments.

EVIDENCE GUIDE

Validity and sufficiency of evidence requires that:

- competency will need to be demonstrated over a period of time reflecting the scope of the role and the practical requirements of the workplace
- where the assessment is part of a structured learning experience the evidence collected must relate to a number of performances assessed at different points in time and separated by further learning and practice, with a decision on competency only taken at the point when the assessor has complete confidence in the person's demonstrated ability and applied knowledge
- all assessment that is part of a structured learning experience must include a combination of direct, indirect and supplementary evidence.

Assessment processes and techniques should as far as is practical take into account the language, literacy and numeracy capacity of the candidate in relation to the competency being assessed.

Supplementary evidence of competency may be obtained from relevant authenticated documentation from third parties, such as existing supervisors, team leaders or specialist training staff.

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

Information includes:

- diagrams or sketches
- instructions issued by authorised organisational or external personnel

RANGE STATEMENT

	• manufacturer specifications and instructions where specified • memos • MSDS • organisation work specifications and requirements • plans and specifications • regulatory and legislative requirements pertaining to the conduct of basic demolition processes • relevant Australian standards • safe work procedures related to the conduct of basic demolition processes • signage • verbal or written and graphical instructions • work bulletins • work schedules.
Basic demolition processes include:	• dismantling or demolishing and removing materials and component parts of a building using only hand tools and small plant and equipment.
Safety (OHS) is to be in accordance with legislation, regulations, codes of practice, organisational safety policies and procedures, and project safety plan and may include:	• emergency procedures, including emergency shutdown and stopping of equipment, extinguishing fires, organisational first aid requirements and evacuation • handling of materials • hazard control • hazardous materials and substances • safe operating procedures, including the conduct of operational risk assessment and treatments associated with: • earth leakage boxes • lighting • overhead lines and cables • restricted access barriers • surrounding structures • traffic control • underground services and utilities • work site visitors and the public • working at heights • working in confined spaces

RANGE STATEMENT

	• working in proximity to others • working with dangerous materials
	• organisational first aid • personal protective clothing and equipment prescribed under legislation, regulations and workplace policies and practices • use of firefighting equipment • use of tools and equipment • workplace environment and safety.
<i>Tools and equipment</i> include:	• bars (crow and pinch), bolt cutters, sledge hammers, spanners and wrenches, chisels, hacksaws, handsaws, hammers and pliers • picks and mattocks • power drills and saws, pneumatic tools, concrete saws, angle grinders, compressors and electric testers • shovels, spades, brooms and wheelbarrows • signs and barricades • water hoses and attachments • scaffolds and elevated work platforms.
<i>Environmental requirements</i> include:	• clean-up protection • noise and dust • sedimentation control • vibration • waste management.
<i>Statutory and regulatory authorities</i> include:	• federal, state and local authorities administering applicable Acts, regulations and codes of practice.
<i>Site demolition plan</i> includes:	• documentation of the demolition process • safe work practices.
<i>Construction type</i> includes:	• brickwork, blockwork, brick veneer and concrete • timber framed and light steel framed structures.
<i>Preparation of work areas</i> include:	• assessing conditions of work site and surrounds • communicating with those who may be affected by the demolition task • identifying hazardous materials • identifying positions of hoses and cables, clear of hazards

RANGE STATEMENT

Services include:

- locating signage and barricades
- providing site safety.
- electricity
- gas
- telephone and computer/communication
- water.

Demolition tasks can be performed on:

- existing structure being renovated or extended, which involves complete or partial removal of components
- new construction site.

Building components include:

- concrete/masonry areas, including:
 - edge strips
 - pads
 - paths
 - retaining walls and fences
 - slabs
- external sections of buildings, including:
 - attached structures, carports and sheds
 - non-load bearing walls
 - patios and decks
- fixtures and fittings
- internal sections of buildings, including:
 - built-in components
 - ceilings
 - cladding
 - flooring
 - non-load bearing partition walling
 - wet area components.

Unit Sector(s)

Unit sector

Construction

Co-requisite units

Co-requisite units Nil

Functional area

Functional area