UNIT CODE	CPCCBL3002
UNIT TITLE	Carry out masonry veneer construction
APPLICATION	This unit specifies the skills and knowledge required to construct masonry veneer buildings and structures. It includes structural, non-structural components and finishing of masonry veneer construction. This unit applies to people who work on masonry veneer construction on new or existing structures. It is suitable for people operating with some autonomy. A person working at this level would be expected to take responsibility for organising and completing tasks assigned to them without needing close supervision. 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 *CPCCWHS1001 Prepare to work safely in the construction industry* meets this requirement. No licensing, legislative or certification requirements apply to this unit at the time of publication.
PREREQUISITE UNIT	CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry
ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	Performance criteria describe what needs to be done to demonstrate achievement of the element.
1. Prepare for work.	1.1 Select, fit correctly and use personal protective equipment (PPE) appropriate for job. 1.2 Read and interpret masonry veneer construction requirements from current plans, specifications, standards and codes. 1.3 Follow requirements in workplace safety and environmental documentation and workplace procedures. 1.4 Calculate material quantities for the task. 1.5 Determine job priorities and sequence job tasks in consultation with others on site. 1.6 Identify potential hazards and determine and implement control measures.

	1.7 Select and check condition of plant, equipment and tools and report damage to relevant person. 1.8 Check materials against the specifications and report non-conformities to relevant person.
2. Set out brickwork/blockwork.	2.1 Set out and mark base brickwork/blockwork. 2.2 Set out brickwork/blockwork gauge and bond. 2.3 Set out and mark masonry veneer walls, load bearing brickwork, and corbelling.
3. Construct base brickwork/blockwork.	3.1 Place materials ready for the work. 3.2 Mix mortar to specified consistency. 3.3 Locate, prepare and install damp proof course and weepholes.
4. Construct veneer walls.	4.1 Check and ensure that structural frame is plumb and straight. 4.2 Position and correctly fix wall ties to framework. 4.3 Install specified lintels to openings. 4.4 Install flashings to window and door openings. 4.5 Construct brickwork/blockwork walls to eaves height. 4.6 Construct veneer gable maintaining gauge, level, plumb and straightness. 4.7 Locate and form control joints as specified. 4.8 Cut and lay sill bricks to a line.
5. Rake/rule joints and clean face.	5.1 Clean cavities of mortar droppings and bridging. 5.2 Rake or rule joints to specified profile and depth. 5.3 Clean face of brickwork/blockwork to remove unwanted mortar.
6. Clean up.	6.1 Clear the work area, and dispose of, reuse or recycle materials following workplace and environmental requirements. 6.2 Clean tools and equipment, check for serviceability and report damage or faults. 6.3 Store and secure tools and equipment following workplace procedures.
FOUNDATION SKILLS	

Candidates require:
 	
• numeracy skills to:
  o use measurements and formulas to calculate materials
  o set out brick gauge and bond
• technology skills to:
  o use digital tools and devices to source job information and communicate effectively with others.	

UNIT MAPPING INFORMATION	Supersedes and is equivalent to CPCCBL3002A Carry out masonry veneer construction
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

TITLE	Assessment requirements for CPCCBL3002 Carry out masonry veneer construction

PERFORMANCE EVIDENCE

To demonstrate competency in this unit, a candidate must meet the performance criteria of this unit by constructing a minimum of 2.1 m long and 2.0 m high section of a masonry veneer building.

In doing this, the candidate must:

- install weepholes, damp proof course; frame ties, lintels and loadbearing components, window and door frame, roof tie-downs and spread of fire requirements.

KNOWLEDGE EVIDENCE

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

- characteristics, applications and limitations of specified materials for masonry veneer construction:
    - aggregates, cement and lime
    - mortar ingredients and consistency
    - clay and masonry bricks
- construction terminology relating to masonry veneer construction
- processes and techniques for masonry veneer construction:
    - incorporating suspended floor
    - on concrete slab on ground
    - vermin control and anti-termite measures
    - damp-proofing, flashing and ventilation
    - fire control and separation requirements
    - frame tying components
    - lintels and load bearing components
    - timber, steel and aluminium windows
    - timber and steel door frames
    - gable and eaves construction
- brick bond patterns
- brick and block expansion and growth, control and articulation joints
- functional and operational features of plant, equipment and hand and power tools:
    - battery operated tools
- workplace safety:
    - job safety and environmental analysis (JSEA)
    - work at heights
    - exposure to silica dust
    - exposure to loud noise

o requirements to erect and dismantle restricted height scaffolds • acceptable brickwork tolerances stated in Australian Standards and building codes • fire resistance and stability • key requirements of National Construction Code (NCC) relating to masonry veneer construction • features of working drawing and specifications • environmental requirements relating to workplace processes and waste disposal.
ASSESSMENT CONDITIONS
Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations. This unit must be assessed in the workplace or a close simulation reflecting workplace conditions and standards, materials, equipment, activities, responsibilities, procedures, safety requirements and environmental considerations.

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