UNIT CODE	CPCCST3019
UNIT TITLE	Lay stonemasonry stairs
APPLICATION	This unit specifies the skills and knowledge required to lay internal or external masonry stairs. It includes calculating total rise and going of flight and riser and tread sizes. This unit applies to stonemasons who work independently or in a team to lay stonemasonry stairs on a new or existing structure. 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. Plan and prepare.	1.1 Read, interpret and apply stonemasonry stair construction requirements from current plans, specifications and codes. 1.2 Follow relevant information from workplace procedures, workplace safety and environmental documentation. 1.3 Use measurements and formulas to calculate material quantities. 1.4 Determine job priorities and sequence job tasks in consultation with others on site. 1.5 Identify potential hazards and determine and implement control measures. 1.6 Select and check condition of plant, equipment and tools and report damage or malfunction to relevant person.

2. Set out stairs.	2.1 Select, fit correctly and use personal protective equipment (PPE) appropriate for job. 2.2 Set out location of stairs on a prepared footing to comply with plans and specifications. 2.3 Calculate and set out the total rise and going of the flight of stairs. 2.4 Calculate and set out minimum tread width and maximum riser height. 2.5 Select and check colour, shape and conformity of stone against the specifications and place materials in preparation for the work.
3. Lay stonemasonry stairs.	3.1 Mix mortar to colour, texture and consistency for job requirements and place on mortar board ready for use. 3.2 Determine starting point and lay base stones level, square and aligned to set out marks. 3.3 Lay risers and treads maintaining level consistent joints. 3.4 Form steps ensuring thy are square, level, plumb and true. 3.5 Finish joints to specified profile. 3.6 Remove excess mortar and brush down face of stairs prior to mortar drying.
4. Clean up.	4.1 Clear the work area, and dispose of, reuse or recycle materials following workplace and environmental requirements. 4.2 Clean tools and equipment, check for serviceability and report damage or faults. 4.3 Store and secure tools and equipment following workplace procedures.
FOUNDATION SKILLS Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.	
UNIT MAPPING INFORMATION	Supersedes and is equivalent to CPCCST3019A Lay stonemasonry stairs
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 CPCCST3019 Lay stonemasonry stairs

PERFORMANCE EVIDENCE

To demonstrate competency in this unit, a candidate must meet the performance criteria of this unit by constructing a single flight of stonemasonry stairs.

In doing this, the candidate must:

- build in three treads with a fall to run off water
- build in one wing wall maintaining gauge and bond
- lay stonemasonry stairs within tolerances stated in relevant standards and codes.

KNOWLEDGE EVIDENCE

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

- construction terminology relating to stonemasonry stairs:
    - geometry of stairs
    - open flight
    - straight flight
    - quarter and half space landings
    - solid treads
    - veneer face
- standards and codes for masonry stair construction
- key requirements of the National Construction Code (NCC) relevant to stonemasonry stairs
- mortar ingredients and consistency
- rising damp
- types and characteristics of stone:
    - granite
    - marble
    - slate
    - locally available stone
- functional and operational features of plant, equipment and tools
    - battery operated tools
- workplace processes and procedures
- workplace safety:
    - job safety and environmental analysis (JSEA)
    - exposure to silica
    - hazardous manual tasks
    - exposure to excessive noise
- features of working drawings and specifications

• environmental requirements for workplace processes and waste disposal. • using digital tools and devices to source information and communicate with others.	
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