UNIT CODE	CPCCST3003
UNIT TITLE	Spilt stone manually
APPLICATION	This unit specifies the skills and knowledge required to manually split stone using various methods. This unit applies to stonemasons who work independently, in a team or under supervision and use hand tools relating to splitting stone in a workshop setting. 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 requirements for splitting stone manually from specifications, job requirements, standards and codes. 1.2 Follow requirements in workplace safety and environmental documentation and workplace procedures. 1.3 Determine job priorities and sequence job tasks in consultation with others on site. 1.4 Identify potential hazards and determine and implement control measures. 1.5 Select and check condition of equipment and report damage or faults to appropriate person. 1.6 Check conformity of materials against job requirements.
2. Split stone.	2.1 Select, fit correctly and use personal protective equipment (PPE) appropriate for job.

	2.2 Identify natural features and grain of stone. 2.3 Identify alternative methods for drilling and splitting stone. 2.4 Drill holes and use plugs and feathers to split stone. 2.5 Set out and drill holes to depth for type and size of stone. 2.6 Apply guillotine principles used for splitting various thickness of slabbed stone. 2.7 Split stone using natural lines of cleavage. 2.8 Finish stone surfaces as required by job specification.
3. Clean up.	3.1 Clear the work area, and dispose of, reuse or recycle materials following workplace and environmental requirement. 3.2 Clean tools and equipment, check for serviceability and report damage or faults. 3.3 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 CPCCST3003A Spilt stone manually
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 CPCCST3003 Spilt stone manually

PERFORMANCE EVIDENCE

To demonstrate competency in this unit, a candidate must meet the performance criteria of this unit by manually splitting soft and hard stone.

In doing this, the candidate must:

- split a 400 mm soft stone in half
- split a 300 mm hard stone into 150 mm slabs using a plug and feather system
- split a stone into 150mm thickness using v-cut and wedging.

KNOWLEDGE EVIDENCE

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

- types of natural and manufactured stone
    - basalt (blue stone)
    - granite
    - limestone
    - locally available stone
    - porphyry
    - sandstone
    - slate
- processes and techniques for splitting stone manually:
    - expanding grout
    - freezing
    - hydra splitting
    - plugs and feathers
    - v-cut and wedging
- terminology relating to splitting stone
- functional and operational features of plant, equipment and hand and power tools:
    - axes
    - bush hammers
    - chisels
    - masonry drills
    - patent axes poky
    - sledge hammers
    - splitting wedges
- workplace processes and procedures
- stonemasonry regulations, standards and codes
- workplace safety:
    - job safety and environmental analysis (JSEA)

o exposure to silica dust o hazardous manual tasks o exposure to loud noise • environmental requirements for workplace processes and waste disposal • reading and interpreting plans and sketches • Mohs scale of mineral hardness.
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