UNIT CODE	CPCCST2003
UNIT TITLE	Finish stone
APPLICATION	This unit specifies the skills and knowledge required to cut and finish both hard and soft stone. It includes determining stone hardness prior to cutting and finishing stone. The unit is suitable for people with basic skills and knowledge who undertake routine stonemasonry work tasks under the direction of more experienced workers. 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 finish stone requirements from current plans, specifications, standards and codes and confirm information with relevant person. 1.2 Follow requirements in workplace safety and environmental documentation and workplace procedures. 1.3 Clarify job priorities and sequence job tasks in consultation with other workers. 1.4 Identify potential hazards and implement control measures. 1.5 Select and check condition of plant, equipment and tools and report damage or faults to relevant person. 1.6 Check conformity of materials against the job requirements and place stone ready for the work. 1.7 Identify stone hardness using Mohs scale of mineral hardness.

2. Cut stone.	2.1 Select, fit correctly and use personal protective equipment (PPE) appropriate for job. 2.2 Mark stone and position onto cutting table to obtain maximum efficiency in cutting. 2.3 Align stone to cutting blade and secure in position to ensure stability. 2.4 Adjust machinery to maximum depth of cut for size of stone. 2.5 Apply coolant as required for stone and job requirements. 2.6 Use primary and secondary cutting machines appropriate to their cutting capacity.
3. Polish stone.	3.1 Prepare stone with adhesives or fillers. 3.2 Set up and operate polishing heads. 3.3 Polish stone using various hand-operated and static polishing machines. 3.4 Apply adhesives, tinting for fillers and reinforcing materials to job requirements. 3.5 Clean stone face surfaces and apply finishes.
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 CPCCST2003A Finish stone
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 CPCCST2003 Finish stone

PERFORMANCE EVIDENCE

To demonstrate competency in this unit, a candidate must meet the performance criteria of this unit by cutting and polishing one hard stone and one soft stone with a minimum size of 190 mm x 190 mm x 190 mm.

In doing this, the candidate must:

- use two types of cutting equipment
- use two types of polishing equipment
- use two types of abrasives and polishing compounds.

KNOWLEDGE EVIDENCE

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

- characteristics, applications and limitations of specified materials and products for cutting and finishing stone:
  - soft and hard stone
  - coolants used in the polishing process
  - range and grades of polishing compounds
  - adhesives and fillers
- processes and techniques for:
  - material protection and storage
  - cutting stone
- primary and secondary cutting machines
- correct sequencing of various polishing heads
- functional and operational features of equipment and hand and power tools:
  - angle grinders
  - buffs
  - circular saws
  - drills
  - edge polishers
  - frame saws
  - hole saws
  - Jenny Lind type polishers
  - line polishers
  - milling machines
  - rise and fall saws
  - rotating or transverse tables
  - stationary slab polishers
  - twin tables

o wire saws • workplace processes and procedures for stonemasonry • workplace safety: o job safety and environment analysis (JSEA) o exposure to silica dust o exposure to loud noise o hazardous manual tasks o hazardous goods o vibration o chemical handling and storing • key features of plans and specifications • stonemasonry regulations, standards and codes • Mohs scale of mineral hardness • environmental requirements for 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