UNIT CODE	CPCCST2006
UNIT TITLE	Identify and use stone products
APPLICATION	This unit specifies the skills and knowledge required to identify, select and cut suitable natural stone for both off-site and in situ installation. This 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 and interpret relevant information to identify and use stone products from specifications, standards and codes. 1.2 Interpret and follow relevant information from workplace safety and environmental documentation and workplace procedures. 1.3 Clarify job priorities and sequence job tasks in consultation with others on site. 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.
2. Identify types and characteristics of stone.	2.1 Identify and match architectural styles, natural and manufactured stone and functions of stone products to job specifications. 2.2 Identify sources of stone and manufacturing and quarrying

	techniques for production of natural and manufactured stone. 2.3 Identify key features and patterns in stone. 2.4 Identify defects in stone and the effect on their functions. 2.5 Identify methods, processes and plant and tools used to manufacture stone products.
3. Saw stone	3.1 Select, fit correctly and use personal protective equipment (PPE) appropriate for job. 3.2 Apply manual handling techniques when positioning stone on cutting machine. 3.3 Secure stone, align cuts and operate equipment and tools to saw stone. 3.4 Cut stone to size and design and take measures to minimise silica dust.
4. Clean up.	4.1 Clear the work area, and dispose of, reuse or recycle materials following workplace and environment 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 CPCCST2006A Identify and use stone products
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 CPCCST2006 Identify and use stone products

PERFORMANCE EVIDENCE

To demonstrate competency in this unit, a candidate must meet the performance criteria of this unit by cutting three types of stone to different sizes and shapes.

In doing this, the candidate must:

- use three different methods to cut:
  - one igneous stone
  - one metamorphic stone
  - one sedimentary stone.

KNOWLEDGE EVIDENCE

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

- stonemasonry regulations, standards and codes
- characteristics, applications and limitations of natural stone and products:
  - igneous stone
  - metamorphic stone
  - sedimentary stone
  - mortar ingredients and consistency
  - adhesives, compounds and grout products
- stone products:
  - basalt
  - granite
  - marble
  - pre-cast concrete
  - sandstone
  - manufactured stone
- processing and manufacture:
  - crushed to aggregate size
  - crushed to fine particle (dust) size
  - cut and polish to tile size
  - cut or finished to pavement section size
  - natural stone products cut to size
- construction terminology relating to stone
- architectural styles used in stonemasonry work
- Moh scale for mineral hardness
- measuring techniques
- functional and operational features of plant, equipment and hand and power tools

- workplace procedures
- workplace safety:
    - job safety and environmental analysis (JSEA)
    - exposure to silica dust
    - exposure to loud noise
    - hazardous manual tasks
- processes and techniques for using stone products
- environmental requirements for workplace processes and waste disposal
- features of plans and specifications.

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.

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