UNIT CODE	CPCCPA3005
UNIT TITLE	Maintain and repair segmental paving
APPLICATION	This unit specifies the skills and knowledge required to undertake remedial action when maintaining and repairing segmental paving. It includes removing and replacing damaged or worn pavers and paving joints. This unit applies to people who maintain and repair segmental pavers to external areas on new and existing sites. 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. Plan the work.	1.1 Select, fit correctly and use personal protective equipment (PPE) appropriate for job. 1.2 Read, interpret and apply maintenance and repair of segmental paving requirements from specifications and work instructions. 1.3 Follow requirements in workplace safety and environmental documentation and workplace procedures. 1.4 Assess paved area for damage, wear or settlement. 1.5 Identify factors relating to problems and develop remedial action. 1.6 Use measurements and apply formulas to calculate material quantities.

2. Prepare for work.	2.1 Determine job priorities and sequence job tasks in consultation with others on site. 2.2 Select and check condition of equipment and tools and report any damage or faults to relevant person. 2.3 Check conformity of materials for size, dimension, colour and imperfections.
3. Carry out remedial action.	3.1 Remove required pavers without damage to surrounding pavers. 3.2 Compact subgrade and reinstate pavers maintaining uniform joints. 3.3 Set joints with matching material. 3.4 Identify stains and undertake appropriate cleaning methods. 3.5 Recognise causes of efflorescence and minimise condition.
4. Clean up.	4.1 Clear the work area, and dispose of, reuse or recycle 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 Candidates require: • technology skills to use digital tools and devices to source job information and communicate effectively with others.	
UNIT MAPPING INFORMATION	Supersedes and is equivalent to CPCCPA3005A Maintain and repair segmental paving
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 CPCCPA3005 Maintain and repair segmental paving

PERFORMANCE EVIDENCE

To demonstrate competency in this unit, a candidate must meet the performance criteria of this unit by removing and replacing a minimum of 12 damaged or worn pavers and repairing a minimum of 1.5 metres square sunken pavers.

In doing this, the candidate must:

- remove damaged, worn or sunken pavers without damage to surrounding pavers
- spread and compact bed to height of existing bed
- replace or return pavers with even and consistent joints
- set joints fully and clean area.

KNOWLEDGE EVIDENCE

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

- characteristics, applications and limitations of specified paving materials:
    - sealing products
    - masonry cleaning chemicals
- processes and techniques relating to paving:
    - removing damaged pavers using various methods
    - laying of various paving designs and patterns
    - using various hand and pressure cleaning methods
- terminology relating to paving
- functional and operational features of plant, equipment and hand and power tools:
    - wet cut saw
    - plate compactors
    - rollers
- workplace safety requirements:
    - job safety and environmental analysis (JSEA)
    - hazardous manual tasks
    - electrical hazards
    - exposure to silica
    - exposure to loud noise
- 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