UNIT CODE	CPCCST3014
UNIT TITLE	Set and anchor stone facades
APPLICATION	This unit specifies the skills and knowledge required to shift, set and anchor a variety of stone facades for construction projects. This unit applies to stonemasons who work independently or in a team to set and anchor stone facades relating to stonemasonry work 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 the work.	1.1 Read, interpret and apply fixing stone facade requirements from current plans, specifications, standards and codes. 1.2 Follow relevant information from workplace procedures, workplace safety and environmental documentation. 1.3 Use measurements and apply formulas to calculate material quantities for the task. 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. Prepare for work.	2.1 Select, fit correctly and use personal protective equipment (PPE) appropriate for job. 2.2 Check conformity of materials against the specifications. 2.3 Set out stone facade dimensions, line and level from datum and establish base course. 2.4 Prepare area of construction to receive stone components. 2.5 Prepare surface and install base dowels to provide key for base course. 2.6 Check stone for faults; stone components are prepared, lifting locations are undamaged, and lifting gear is attached.
3. Shift, erect and fix stone.	3.1 Erect scaffolding as required in accordance with workplace safety requirements. 3.2 Select slings, clutches and lifting equipment for their correct function and inspect for wear and tear or damage. 3.3 Shift and transfer stone components to fixing location at structure. 3.4 Prepare base components by drilling holes for dowels and placing wedges or packers for adjustment. 3.5 Place and fix base course components; align and tie to stone components, and adjust and secure. 3.6 Install, join and fix stone facades and corners using appropriate fixing methods. 3.7 Flash, seal and caulk stone facade using recommended products. 3.8 Clean joins and stone face.
4. Clean up.	4.1 Clear the work area, and dispose of, reuse or recycle 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 CPCCST3014A Set and anchor stone facades
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 CPCCST3014 Set and anchor stone facades

PERFORMANCE EVIDENCE

To demonstrate competency in this unit, a candidate must meet the performance criteria of this unit by setting and anchoring stone facades to a steel frame or concrete construction with minimum height of 1.5 m.

In doing this, the candidate must:

- prepare the base tie down system and set and anchor stone facades to specifications
- set stone facades around an opening
- fix stone facades into an internal or external corner.

KNOWLEDGE EVIDENCE

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

- characteristics, applications and limitations of specified materials and components used in anchoring stone facades
- processes and techniques for fixing facade stone onto:
    - brick/concrete masonry walls
    - in situ, reinforced concrete
    - pre-cast reinforced concrete
    - structural steel framing
- methods of fixing stone facades:
    - S hook
    - back clamp
    - corbel plate bracket
    - dog cramp
    - fish tailed cramp
    - pin bracket
    - slotted bracket
    - turned end cramp
- construction terminology relating to anchor stone facades
- masonry expansion and growth, control and articulation joints
- types and safe use of lifting equipment
- functional and operational features of plant, equipment and hand and power tools:
    - lifting gear and equipment
    - air compressor and hoses
    - power grinders
    - impact drills
    - battery operated tools

- workplace processes and procedures
- workplace safety:
    - exposure to silica
    - job safety and environmental analysis (JSEA)
    - hazardous manual tasks
    - working at heights
    - exposure to excessive noise
    - hazardous substances
- features of working drawings and specifications
- environmental requirements for workplace processes and waste disposal
- digital technology to source information and communicate with others
- fire control and separation requirements
- key requirements of National Construction Code (NCC) relevant to stone facades.

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