Australian Government

CPCCST3024 Apply conservation principles and practices to heritage stonework

Release: 1

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Modification History

Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

New unit.

Application

This unit specifies the skills and knowledge required to undertake conservation work to historic stone buildings and structures, as well as cemetery and other monuments.

This unit applies to stonemasons who work independently or in a team during conservation work relating to heritage stonemasonry work.

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.

Pre-requisite Unit

CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry

Unit Sector

Stonemasonry

Elements and 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 heritage stonemasonry work requirements from work instructions, plans, specifications, standards and codes.

		1.2	Clarify and confirm specific conservation work details in consultation with architects, supervisors and other relevant persons.
		1.3	Follow relevant information from workplace procedures, workplace safety and environmental documentation.
		1.4	Calculate material quantities for the task.
		1.5	Determine job priorities and sequence job tasks in consultation with others on site.
2	Prepare for work.	2.1	Identify specified conservation procedures and their application to different parts of the building.
		2.2	Evaluate the physical condition and heritage significance of masonry materials and identify the required treatment for same masonry materials in different parts of the building.
		2.3	Select and check condition of appropriate plant, equipment and tools and report damage or faults to relevant person.
		2.4	Check conformity of materials against job requirements.
		2.5	Select, fit correctly and use personal protective equipment (PPE) appropriate for job.
3	Carry out conservation work to heritage stone.	3.1	Set out section of building for conservation work following work instructions and job requirements.
		3.2	Protect surrounding stonework from damage.
		3.3	Prepare and record samples of work for approval.
		3.4	Clean stone surface, apply surface treatment and repair stone using mortar.
4	Carry out re-pointing.	4.1	Sieve and blend recommended aggregates and sands to produce acceptable material.
		4.2	Check materials, binders and mixing methods appropriate for conservation work.

Artibus Innovation

	4.3	Prepare samples for approval by supervisor.
	4.4	Rake out and prepare joints as specified.
	4.5	Mix mortar using approved materials and mixing method.
	4.6	Protect existing and new work from mortar stains and pre-wet masonry to control suction.
	4.7	Place and pack mortar into joints and finish joint to specified profile and depth.
	4.8	Apply curing method appropriate for the work.
5 Clean up.	5.1	Clear the work area, and dispose of, reuse or recycle materials following workplace and environmental requirements.
	5.2	Clean tools and equipment, check for serviceability and report damage or faults.
	5.3	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

No equivalent unit

Links

Companion volumes to this training package are available at the VETNet website - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad