CPCCST4001
Prepare to undertake the heritage restoration process

Application

This unit of competency specifies the skills and knowledge required to undertake the preparation of heritage restoration projects by skilled and experienced tradespersons. It includes sourcing heritage information and recording job outcomes.

It applies to heritage workers who may be required to work under the supervision of a heritage professional to prepare for the heritage restoration process.

A person working at this level would be expected to take responsibility for preparing for the heritage restoration work.

It is not the intent of this unit to replicate the technical processes associated with the performance of the trade skills necessary to complete the work. The unit applies to the processes associated with the application of existing high-level trade skills in the specialist heritage restoration environment.

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

Nil.

Unit Sector

Construction.

Elements and Performance Criteria

1.Identify conservation and workplace requirements.	1.1	Read, interpret and follow heritage restoration requirements from plans, specifications, work instructions and workplace safety documentation.
	1.2	Identify relevant heritage conservation legislation and adhere to restoration requirements from regulations, guidelines, standards and codes.
	1.3	Apply organisational policies and procedures associated with the preservation of historically significant buildings.
2. Obtain historical data.	2.1	Establish period and style of construction of the building or structure from historical data.
	2.2	Analyse and confirm construction information relating to scope of works with architects, engineers or other heritage professionals.
	2.3	Identify and record materials used for previous restoration work from

		historical data and verify appropriateness and availability from suppliers.
3. Prepare work area and resources.	3.1	Calculate material quantities using measurements and formulas.
	3.2	Procure materials and schedule delivery times.
	3.3	Check materials for conformity with specifications and confirm they are free of defects or damage.
	3.4	Select appropriate plant, equipment and tools for the project and check for serviceability.
	3.5	Erect, stabilise and brace work platforms, designate exclusion zones and fix signage following workplace safety requirements.
	3.6	Protect surfaces around the work area from exposure to damage during planned restoration work.
	3.7	Identify faults and problems and take necessary action to rectify.
4. Establish and maintain restoration records.	4.1	Document extent of restoration work, materials used and construction methods relating to work activities.
	4.2	File before, during and after photographs of original structures, construction work and finishes and colour matches.
	4.3	Organise and save documents and files following organisational procedures.

Foundation Skills

As well as the foundation skills explicit in the performance criteria of this unit, candidates require:

- problem solving skills to:
  - analyse non-conforming restoration methods, define key problem and produce appropriate solution
  - seek clarification of appropriate solution to meet restoration compliance
- technology skills to:
  - use digital tools and devices to communicate and collaborate effectively with others
  - use equipment and programs to access and extract information and develop and save relevant documentation.

Unit Mapping Information

Supersedes and equivalent to CPCCBC4036A Prepare to undertake the heritage restoration process.

Links

Companion Volume Implementation Guide:
https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad

Assessment Requirements for CPCCST4001
Prepare to undertake the heritage restoration process

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by preparing for a minimum of two heritage restoration projects.

In doing this, the candidate must:

- determine job priorities and resources, and sequence job tasks in consultation with others on site
- consult with heritage professionals to determine and document processes desired for restoration applications and finishes.

Knowledge Evidence

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

- government legislation relating to heritage restoration
- heritage significance as stated in:
    - The Burra Charter
    - Heritage Act
    - Heritage Building Classifications
- construction regulations, standards and codes
- key requirements of the National Construction Code (NCC) relevant to heritage restoration
- processes and techniques of:
    - providing appropriate cover protection
    - heritage restoration work
    - gathering, documenting and filing relevant heritage information
- characteristics, applications and limitations of materials used for restoration work:
    - mortar constituents, binders, aggregates, pigments, additives
    - mortar consistency
    - surface cleaners and treatments
    - fixings and fasteners of the period era
    - paints
    - plaster mixes
    - specialist materials of the relevant period e
    - tiles
- functional and operational features of plant, equipment and hand and power tools
    - battery operated tools
- workplace processes and practices
- workplace safety:

    - working at heights
    - exposure to silica
    - exposure to excessive noise
    - hazardous manual tasks
- preserving the fabric of a building or structure and retarding deterioration
- digital devices, applications and software to achieve tasks outcome
- key features of plans and specifications
- relevant knowledge of characteristics and features of period architecture and period plastering associated with historic buildings
- sources of accurate historical information:
    - building trusts
    - elderly and local residents
    - historical societies
    - municipal building records
    - National Trust
    - restoration contractors

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

Assessment must be conducted in the workplace or in a simulated workplace environment.

Candidates must be provided with:

- relevant government heritage legislation:
    - The Burra Charter
    - Heritage Act
    - Heritage Building Classifications
- current building and construction codes and standards
- National Construction Code
- construction and heritage drawings and specifications
- organisational policies and procedures and other quality documentation required to undertake the performance criteria and assessment requirements
- digital devices, applications and software to transmit and receive information electronically.

Links

Companion Volume Implementation Guide:
https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad