CPCCST4006
Prepare report for heritage restoration work

Application

This unit of competency specifies the skills and knowledge required to prepare and present written reports detailing conditions associated with buildings and structures of historic significance requiring restoration or preservation attention. Reports are completed for specific areas of work in accordance with individual building trade applications.

The unit of competency supports builders, project managers and related construction industry professionals responsible for heritage restorations.

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. Gather information to be included in the report.	1.1	Identify details of the area of the structure and information regarding areas of fault.
	1.2	Identify general description of the building or structure and its period of construction.
	1.3	Identify surrounding area and faults for inspection and investigation.
	1.4	Conduct assessment of unsafe conditions and identify for investigation.
2. Assess and outline possible means of restoring the areas of the structure.	2.1	Conduct and record assessment of conditions and degree of deterioration and disturbance using appropriate technical language.
	2.2	Assess and record possible causes for deterioration of condition and stability as guidelines for investigatory enquiries and restoration considerations.
	2.3	Identify and record sound construction or finish applications surrounding or adjacent to the faulted area to inform restoration processes.
	2.4	Identify and record relevant information regarding unsafe conditions at or around the structure.
	2.5	Identify and document advice regarding restoration techniques and work required based on assessment of the structure.
3. Document and present the report.	3.1	Determine method of presenting the report in a logical and sequential manner with key stakeholders and implement.
	3.2	Write report to provide all investigated and determined information in accordance with request and agreed format.

	3.3	Write report in a manner that will be readily understood by relevant stakeholders.

Foundation Skills

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

- communication skills to:
  - enable clear and direct communication, using questioning to identify and confirm requirements, share information, listen and understand
  - read and interpret:
    - documentation from a variety of sources
    - plans, specifications and drawings
  - use and interpret non-verbal communication
  - use language and concepts appropriate to cultural differences
- numeracy skills to:
  - apply measurements and calculations
  - prepare drawings and work to scale
  - use instruments and equipment for measuring
- organisational skills to:
  - set out work
- teamwork skills and the ability to work with others to:
  - ensure coordination and cooperation between self and others in the heritage restoration.

Unit Mapping Information

Supersedes and equivalent to CPCCBC4040A Prepare report for heritage restoration work.

Links

Companion Volume Implementation Guide:

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

Assessment Requirements for CPCCST4006
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Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by determining all relevant information and preparing a written report on at least three separate categories of structure areas listed within the range of variables.

In doing this, the candidate must:

- apply conservation considerations and consultative processes associated with preservation of historic structures
- demonstrate understanding of preservation of fabric
- comply with Work Health and Safety (WHS) regulations applicable to workplace operations
- apply organisational quality procedures and processes within the context of preparing reports
- apply sound identification and recording system of investigation findings
- use appropriate processes, tools and equipment to carry out investigation examinations
- apply sound and accurate techniques to prepare information for report
- select and use appropriate terminology relevant to applicable trade
- use sound techniques to ensure report is well written and accurate
- communicate interactively with others to ensure safe and effective work site operations.

Knowledge Evidence

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

- Building Code of Australia (BCA) and other Australian standards relevant to the nature of work and materials being used
- conservation processes, including good conservation practice arising from principles of Burra Charter
- methods and processes relating to historic building construction, including range and use of building materials, structure of buildings and drafting techniques:
    - causes of deterioration:
        - fire damage
        - storm impact from vehicles or trees and other objects
        - water damage
    - general description of building or structure:
        - building description:
            - address of the structure
            - description of the area surrounding structure where influential to the fault

            - references to north and south identified and recorded in relationship to the sides of the structure
            - type and condition of materials used in structure, including details of any missing materials
        - type of structural construction building types:
            - cathedrals and churches
            - civic buildings
            - commercial and retail buildings
            - fences
            - government buildings
            - houses
            - mansions
            - out buildings
            - walls.
            - wharves
    - identification of areas of fault:
        - location of fault, internal or external to the building or structure
        - nature and extent of the fault or deterioration, identified in technical terms relevant to the respective trade work required
        - number of separate faults
    - inspection and investigation equipment:
        - boots
        - gloves
        - hand tools
        - hard hat
        - inspection investigations ladders
        - jacket
        - masks and respirators
        - safety glasses
        - spirit levels
        - straight edges
        - torches
        - trestles and planks
- relevant architectural knowledge, including orders of architecture and characteristics and features of period architecture
- workplace and equipment safety requirements, including relevant statutory regulations, codes and standards.

Assessment Conditions

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

Assessment of performance must be undertaken in the workplace or in a simulated workplace environment. Tasks are to be performed to the level of proficiency and within the time limits expected in a workplace.

Assessors are responsible for ensuring that the person demonstrating competency has access to:

- historic work locations appropriate to area of work

- appropriate documentation and data related to investigations
- ladder and/or scaffolding equipment
- plant, tools and equipment relevant to investigation processes.

Links

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