



Australian Government

Department of Education, Employment and Workplace Relations

CPCCBBC4039A Undertake the heritage restoration process

Release: 1

CPCCB4039A Undertake the heritage restoration process

Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit of competency specifies the outcomes required by skilled and experienced tradespersons to undertake heritage restoration work.
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Application of the Unit

Application of the unit	This unit of competency supports the range of tradespersons across disciplines who are involved in heritage restoration and conservation projects. It is not the intent of this or related units to replicate the technical processes associated with the performance of the trade skills necessary to complete the work. The unit applies to the particular processes associated with the application of existing high-level trade skills in the specialist heritage restoration environment.
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Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Prerequisite units Nil

Employability Skills Information

Employability skills This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Undertake restoration work.	1.1. Performance of the technical restoration work is undertaken in accordance with the highest standards of the relevant <i>trade skills</i>. 1.2. <i>Legislative and organisational requirements</i> are complied with throughout the heritage restoration work. 1.3. Ongoing consultations with the architect and relevant stakeholders are maintained to ensure contractual requirements are fulfilled.
2. Monitor progress of restoration work.	2.1. Conformance to the restoration work plan is monitored during completion of the restoration work. 2.2. Adjustments to processes and the work plan to address problems that emerge during the heritage restoration are made and documented as required, in accordance with established organisational or job procedures. 2.3. Reporting of work progress is completed in accordance with established work plan, and job and contractual requirements. 2.4. Technical issues arising during the restoration that impact on the work of related trades are identified and communicated. 2.5. Effective strategies for problem resolution are identified within the project team.
3. Ensure area is cleaned at completion of the restoration work.	3.1. Scaffolding is dismantled carefully, removed and stored. 3.2. Cover protection for surfaces is carefully removed. 3.3. Surface protection and unused materials are removed and stored. 3.4. Work area is cleared and all waste material is disposed of in accordance with legislative and organisational requirements. 3.5. Tools and equipment are cleaned, maintained and stored.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

Required skills for this unit are:

- 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
 - written skills to record relevant information
- equipment handling techniques and safe handling practices
- numeracy skills to calculate measurements
- organisational skills, including the ability to plan for and set out work
- problem solving skills to enable resolution of technical issues which threaten to disrupt work
- trade skills relevant to the restoration work being undertaken.

Required knowledge

Required knowledge for this unit is:

- 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
- relevant architectural knowledge, including orders of architecture, characteristics and features of period architecture and period plastering associated with historic buildings
- workplace and equipment safety requirements, including relevant statutory regulations, codes and standards.

Evidence Guide

EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment

This unit of competency could be assessed by application of a recognised trade skill to a heritage restoration project. Application should include correct use of trade skills and knowledge, ongoing monitoring of own work, compliance with relevant legislation and adherence to relevant heritage restoration codes and standards as well as organisational requirements, and correct clean-up procedures at completion of the work.

This unit of competency can be assessed in the workplace or a close simulation of the workplace environment, provided that simulated or project-based assessment techniques fully replicate construction workplace conditions, materials, activities, responsibilities and procedures.

Critical aspects for assessment and evidence required to demonstrate competency in this unit

A person who demonstrates competency in this unit must be able to provide evidence of the ability to:

- apply conservation considerations and consultative processes to determine restoration application and finish
- demonstrate understanding of preservation of fabric
- comply with OHS regulations applicable to workplace operations
- apply organisational quality procedures and processes within the context of heritage restorations
- record and identify materials used
- use appropriate techniques to provide cover protection
- use safe and effective procedures to handle hazardous materials
- identify typical faults and problems that occur and necessary action taken to rectify
- communicate interactively with others to

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Context of and specific resources for assessment

ensure safe and effective work site operations.

This competency is to be assessed using standard and authorised work practices, safety requirements and environmental constraints.

Assessment of essential underpinning knowledge will usually be conducted in an off-site context.

Assessment is to comply with relevant regulatory or Australian standards' requirements.

Resource implications for assessment include:

- historic work locations appropriate to competency range and activities
- materials appropriate to application activities
- appropriate documentation and data related to tasks
- scaffolding equipment, plant, tools and equipment relevant to activity processes.

Reasonable adjustments for people with disabilities must be made to assessment processes where required. This could include access to modified equipment and other physical resources, and the provision of appropriate assessment support.

Method of assessment

Assessment methods must:

- satisfy the endorsed Assessment Guidelines of the Construction, Plumbing and Services Training Package
- include direct observation of tasks in real or simulated work conditions, with questioning to confirm the ability to consistently identify and correctly interpret the essential underpinning knowledge required for practical application
- reinforce the integration of employability skills with workplace tasks and job roles
- confirm that competency is verified and able to be transferred to other circumstances and environments.

Validity and sufficiency of evidence requires that:

- competency will need to be demonstrated over a period of time reflecting the scope of the role and the practical requirements of the

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workplace

- where the assessment is part of a structured learning experience the evidence collected must relate to a number of performances assessed at different points in time and separated by further learning and practice, with a decision on competency only taken at the point when the assessor has complete confidence in the person's demonstrated ability and applied knowledge
- all assessment that is part of a structured learning experience must include a combination of direct, indirect and supplementary evidence.

Assessment processes and techniques should as far as is practical take into account the language, literacy and numeracy capacity of the candidate in relation to the competency being assessed.

Supplementary evidence of competency may be obtained from relevant authenticated documentation from third parties, such as existing supervisors, team leaders or specialist training staff.

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

Trade skills include:

- carpentry
- gilding
- painting
- plastering
- plumbing
- stonemasonry

RANGE STATEMENT

Legislative and organisational requirements include:

- tiling.
- adherence to all relevant codes and Australian standards
- compliance with relevant quality assurance requirements pertaining to the relevant trade skill being employed
- OHS requirements, including the use of personal protective equipment, barricades and safe handling practices for all materials.

Unit Sector(s)

Unit sector Construction

Co-requisite units

Co-requisite units Nil

Functional area

Functional area