



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **CPPACC6002A Apply performance-based codes and risk management principles to assessing buildings for access**

Release: 1

## **CPPACC6002A Apply performance-based codes and risk management principles to assessing buildings for access**

### **Modification History**

Not Applicable

### **Unit Descriptor**

#### **Unit descriptor**

This unit specifies the competency required to apply performance-based codes, and risk assessment and risk management principles to accessibility features of buildings. It covers the comparison of proposed alternative solutions to the prescriptive Deemed-to Satisfy (DTS) requirements of the building legislation for the accessibility of building developments. It includes the evaluation of existing common law decisions for assessing risks associated with building development.

The assessment results in the preparation of a report describing the suitability of the proposed Alternative Building Solution to the provision of access and its usability by people with disabilities.

The unit requires the ability to communicate with members of the building industry on the interpretation and implementation of the Disability Discrimination Act (DDA), the DDA Premises Standard and the Building Code of Australia (BCA).

The access consultant may either work alone or as a member of a team.

This unit is based on BCGSV6009A Implement performance based codes and risk management principles for buildings up to 3 storeys.

### **Application of the Unit**

#### **Application of the unit**

This unit of competency supports the access consulting service of serving on a BCA Access Panel. It involves the application of analysis, planning and evaluation to complex technical issues.

### **Licensing/Regulatory Information**

Not Applicable

### **Pre-Requisites**

Not Applicable

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

## Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<b>1 Evaluate performance-based codes.</b>	<p>1.1 The role of the regulation of buildings and the built environment within society is identified and applied.</p> <p>1.2 Societal goals related to the construction and use of buildings are interpreted.</p> <p>1.3 The hierarchy of commonwealth, state and territory <i>building access legislation</i> and the role of BCA Objectives, Functional Statements and Performance Requirements are identified and recorded.</p> <p>1.4 Differences between public policy and professional judgement are identified and recorded.</p>
<b>2 Apply the performance-based codes.</b>	<p>2.1 Assessment methods pertaining to access contained in the BCA and their application are identified and applied.</p> <p>2.2 Methodologies for determining correct performance requirements to be satisfied are applied.</p> <p>2.3 Processes for involving relevant parties in the decision-making process are determined.</p> <p>2.4 Impacts of a performance-based solution on building maintenance and alterations are identified and documented.</p> <p>2.5 Assessment report for the proposed performance-based solution is prepared.</p> <p>2.6 All documentation and records used in evaluating the proposed performance-based solution are retained for future reference and retrieval.</p>
<b>3 Conduct a risk assessment.</b>	<p>3.1 Assessment methods pertaining to access contained in the BCA and their application are identified and applied.</p> <p>3.2 Methodology for determining correct performance requirements to be satisfied is applied.</p> <p>3.3 Methodology for determining and assessing risks is identified and applied.</p> <p>3.4 Research data sources for risk assessment and management are identified and applied.</p> <p>3.5 Consequences of various forms of risk are identified and reported.</p> <p>3.6 Basic probabilistic analysis, including use of event trees, is applied in accordance with risk assessment principles.</p> <p>3.7 Statistics used in risk assessment practices are interpreted.</p>

## Required Skills and Knowledge

### REQUIRED SKILLS AND KNOWLEDGE

This section describes the essential skills and knowledge and their level, required for this unit.

#### Required knowledge and understanding include:

- anthropometric principles of accessible building design and fitout
- commonwealth, state and territory anti-discrimination legislation and regulations
- commonwealth, state and territory Heritage Acts
- Deemed-to-Satisfy provisions
- design, structural and construction principles of buildings
- disability awareness
- environmental issues impacting on material selection
- ergonomic principles
- industry codes of practice and ethics
- international standards on building access
- limitations of work role, responsibility and professional abilities
- nature of building materials and effect of performance
- occupational health and safety (OHS) policies and procedures
- processes for interpreting reports, working drawings and specifications
- processes for recording data, administering records and preparing reports
- relevant commonwealth, state and territory building and other legislation, local government regulations and Australian standards
- research methodology and analytical processes
- risk management methodology appropriate for buildings and the built environment
- risk management principles
- role, responsibilities and powers of building certifiers
- state and territory Planning and Development Acts
- relevant terminology and definitions in hazard identification.

#### Required skills and attributes include:

- analytical skills to:
  - analyse, evaluate and apply legislative requirements pertaining to disability access
  - analyse and evaluate the impacts of the full range of disabilities and the limitations that each disability places on the individual's ability to access the environment
  - analyse and evaluate how environmental barriers impact on people with disabilities
  - evaluate the proposed Alternative Building Solution
  - assess risks associated with the proposed Alternative Building Solution
- application skills to:
  - apply relevant anti-discrimination and building legislation
  - apply industry building codes of practice and ethics and other legislative requirements to work processes
  - apply disability awareness to work processes

- apply current Australian and international building codes, standards, regulations and practices
- communication skills to:
  - explain clearly information on issues and legislation relating to the provision of access
  - consult effectively with clients and colleagues
  - impart knowledge and ideas through oral, written and visual means
  - use workplace equipment and communication methods
- literacy skills to:
  - assess and use workplace information
  - read and interpret plans, specifications and structural drawings
  - read and use anatomical and medical terminology
  - read and use building and construction terminology
- organisational skills to:
  - prepare and manage documentation
  - collect, store and retrieve data
- interpersonal skills to:
  - relate to people from a range of social, cultural and ethnic backgrounds and with a range of physical and mental abilities
  - seek and obtain information in a sensitive and appropriate manner
  - facilitate change for greater awareness of disability access
  - analyse own work practices and process outcomes critically
  - engage colleagues and share disability access knowledge
  - adapt to new workplace situations
- research skills to:
  - initiate searches for information relevant to assessing Alternative Building Solutions
  - source, analyse and evaluate building legislative requirements
  - source, analyse and evaluate legislative requirements for the provision of access.

## 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, the range statement and the Assessment Guidelines for this Training Package.

#### Overview of assessment

- This unit of competency could be assessed on its own or as part of an integrated assessment activity involving other competencies relevant to the job function.

#### Critical aspects for assessment and evidence

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

**required to demonstrate competency in this unit**

- recognising the needs and desires of people with disabilities to engage fully in all aspects of society, and their right to do so
- interpreting accurately the impacts of the full range of disabilities and the limitations that each disability places on the individual's ability to access the environment
- interpreting accurately how the full range of environmental barriers impact on any of the impairments that people with disabilities might have
- applying disability awareness to the provision of access for people with disabilities
- interpreting and applying the BCA hierarchy and the Objectives, Functional Statements and Performance Requirements when evaluating performance-based designs
- selecting and applying suitable assessment methods for determining correct performance requirements
- selecting and applying suitable risk assessment methods in evaluating performance-based designs
- researching and referring to recognised national and international data sources and publications on access issues
- interpreting the financial and social costs and benefits of Building Upgrade Plans and maintenance activities to provide access
- complying with OHS regulations applicable to workplace operations
- reporting the determination of compliance within the context of relevant legislation, BCA and Australian standards
- applying organisational management policies and procedures, including quality assurance requirements.

## **Context of and specific resources for assessment**

- Resource implications for assessment include:
  - a registered provider of assessment services
  - competency standards
  - assessment materials and tools
  - suitable assessment venue/equipment
  - workplace documentation
  - candidate special requirements
  - cost and time considerations.
- Validity and sufficiency of evidence requires that:
  - competency will need to be demonstrated over a period of time reflecting the scope of the role
  - 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 of competence only taken at the point when the assessor has complete confidence in the person's competence
  - all assessment that is part of a structured learning experience must include a combination of direct, indirect and supplementary evidence
  - where assessment is for the purpose of recognition (RCC/RPL), the evidence provided will need to be current and show that it represents competency demonstrated over a period of time
  - assessment can be through simulated project-based activity and must include evidence relating to each of the elements in this unit.

## **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 in the performance criteria is detailed below. Add any 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.

***Building access legislation*** may include:

- Australian standards
- DDA
- DDA Premises Standard
- DDA Transport Standard



- BCA
  - state and territory building legislation
  - commonwealth, state and territory anti-discrimination legislation and regulations
- local government regulations.

## **Unit Sector(s)**

### **Unit sector**

Access consulting