

# **CPCCBC6001**

## **APPLY BUILDING CODES AND STANDARDS TO THE CONSTRUCTION PROCESS FOR LARGE BUILDING PROJECTS**

### **PRACTICAL ASSESSMENT**

|                  |                |
|------------------|----------------|
| Participant name | Ross Snelgrove |
|------------------|----------------|

#### **FOR THE PARTICIPANT**

##### **Instructions**

- The tasks outlined on the following pages will require performance of normal workplace activities, as a result of a structured activity set by an Observer in the workplace or a simulated activity set by your Assessor/Observer.
- The timeframe for these tasks will be established by your Assessor/Observer, in consideration of location conditions and industry requirements.
- You must complete all tasks unassisted by the Assessor or other personnel, unless the steps note this assistance.
- You must attempt all tasks (and itemised steps) for a 'Satisfactory' assessment outcome to be awarded.
  - For any observation conducted that is incomplete, or without satisfactory performance, the observation will need to be completed again after further training support.

#### **FOR THE ASSESSOR/OBSERVER**

##### **Instructions**

- The following observation record should be used to judge and record your observations of the Participant as they complete the task(s) set. You must record your observations of the Participant's performance.
  - For each occasion, indicate the task performed and whether it was a simulation or workplace-based task.
    - Any simulated assessment must ensure the Participant still performs under workplace conditions which reflect industry standards.
  - In the comments, provide clear detail regarding the task that the Participant was required to do (e.g. PPE used, materials handled, attachments connected, plant types).
- All steps must be satisfactorily demonstrated by the Participant for a 'Satisfactory' determination (indicated by an Assessor tick to the right of each itemised step, or an Observer tick to the right of each itemised step, and confirmation by an Assessor in the Assessor Comments).
  - Where you have determined that one or more task steps have not been satisfactorily demonstrated, provide the Participant with additional support and outline details of such assistance in the Assessor/Observer Comments. Allow the Participant two (2) further opportunities to demonstrate the task again to allow an opportunity for a 'Satisfactory' assessment outcome to be achieved.
  - If after three (3) attempts the Assessor determines that the Participant cannot demonstrate the required steps, a 'Not Satisfactory' outcome is to be determined.

| TASK OUTCOME |            |                                                                           |                          |                          |                          |
|--------------|------------|---------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|
| Task         | Date       | Task Type (Tick)                                                          | Location                 | Task outcome (Tick)      |                          |
|              |            |                                                                           |                          | Satisfactory             | Not Satisfactory         |
| Task 1       | 26/04/2024 | <input type="checkbox"/> Workplace<br><input type="checkbox"/> Simulation | 1 Hospital blv Southport | <input type="checkbox"/> | <input type="checkbox"/> |

#### ASSESSOR COMMENTS: GENERAL

As necessary, outline:

- Details on reattempts, alternative arrangements or reasonable adjustments made.
- Where a Participant is deemed 'Not Satisfactory', provide recommendations for future training.

#### ASSESSOR COMMENTS: PRACTICAL TASK 1

- ☐ Individual student (as named on cover page)  
☐ Multiple students ☐ All from Attendance Report, ☐ Specific students involved – identify students]

| Task                                               | Provide detail                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.1A.                                              | Specify how scope of work was determined:<br>Project scope of works was determined by the client and the project is a construct project only.                                                                                                                                                                                                                                                         |
| 1.1A.                                              | Specify how general requirements and prescriptive requirements of the NCC were determined and documented:<br>All the requirements of the ncc and associated Australian standards were documented in the design specifications and drawings. Where a requirement of the NCC could not be complied with an alternate solution was developed by the projects fire engineer and documented within the FER |
| 1.1B.                                              | How were relevant Australian Standards identified and located:<br>Australian standards were identified in the fire stairs. And located in AS14.28.1                                                                                                                                                                                                                                                   |
| 1.2A.<br>1.2B.<br>1.3A.<br>1.3H.<br>1.5C.<br>1.5D. | Specify (✓) where building classifications, criteria requirements and performance solutions were documented:<br><input checked="" type="checkbox"/> Workplace Quality document <input type="checkbox"/> Quality Assurance Template <input type="checkbox"/> Other (please specify):<br><br><input type="checkbox"/> Document attached as evidence                                                     |
| 1.3F.                                              | Specify (✓) who was consulted regarding compliance options:<br><input checked="" type="checkbox"/> Project management <input checked="" type="checkbox"/> Relevant tradesperson <input type="checkbox"/> Builder <input type="checkbox"/> Supplier<br><input type="checkbox"/> Other (please specify):                                                                                                |
| 1.4A.<br>1.4B.                                     | Specify (✓) where NCC requirements for passive and active fire protection and performance solutions were documented:<br><input checked="" type="checkbox"/> Workplace Quality document <input type="checkbox"/> Quality Assurance Template <input type="checkbox"/> Other (please specify):<br><br><input type="checkbox"/> Document attached as evidence                                             |

| ASSESSOR COMMENTS: PRACTICAL TASK 1 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.4C.                               | <p>Specify existing buildings checked for compliance with active fire protection requirements:<br/> <input type="checkbox"/> Is checklist used attached as evidence?</p> <p>Working with in the hospitals existing services tunnel. Coordination with the clients, client facility management and the review of the existing fire engineer report. To ensure we are not negatively impacting the performance of the existing fire system.</p>                                                                                                                                                                                                                                                                     |
| 1.5A.<br>1.5B.                      | <p>Specify (✓) communication methods applied to manage construction and other trades compliance:<br/> <input checked="" type="checkbox"/> Emails <input type="checkbox"/> Schedule <input type="checkbox"/> Memos <input checked="" type="checkbox"/> Daily meetings <input checked="" type="checkbox"/> Site induction<br/> <input type="checkbox"/> Other (please specify):</p>                                                                                                                                                                                                                                                                                                                                 |
| 1.5E.                               | <p>Specify how non-confirming building materials and products were managed using evidence of suitability:<br/> Packers used in the façade construction committed to be made of plastic which are deemed combustible material in leu of non-combustible material.<br/> This was documented in the fire engineers report and accepted based on the following.<br/> Building is provided with a fast response fire sprinkler system which is expected to activate in the early stages of a fire and will either control or suppress a fire.<br/> Packers must be installed with manufactures specification.<br/> Remained of the external wall construction is not combustible the risk of fire exposure us low.</p> |

## **CPCCBC6001**

### **APPLY BUILDING CODES AND STANDARDS TO THE CONSTRUCTION PROCESS FOR LARGE BUILDING PROJECTS**

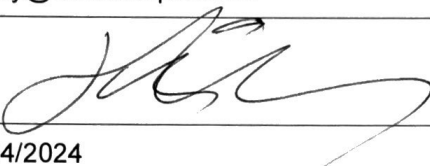
#### **Practical Task 1**

**Description of task:**

The participant must demonstrate the skills and knowledge to make a range of critical decisions in relatively complex situations while applying building codes and standards to one (1) building project over three (3) storeys, with below ground construction to meet the requirements of the National Construction Code (NCC) prior to the build commencing. The participant must also inspect existing buildings for fire compliance. Assessor and observer will be looking for evidence including:

- Interpret relevant codes and standards' requirements.
  - Determine the scope of works and NCC general requirements and Performance Requirements to achieve a DtS solution.
  - Identify Australian Standards referenced in the NCC Relevant to the build and confirm the requirements.
- Classify the building/s.
  - Determine the use and arrangement of the building and apply the appropriate NCC classification/s.
  - Locate and document NCC requirements for multiple classifications.
- Apply solutions to construction problems.
  - Determine the range of NCC criteria required to ensure project compliance.
  - Identify alternative, compliant solutions for construction problems to comply with NCC Performance Requirements.
  - Meet the Performance Requirement of the NCC by applying a Performance Solution supported by one or a combination of the Assessment Methods.
  - Use a Deem-to-Satisfy (DTS) solution supported by one or a combination of Assessment Methods to meet NCC compliance.
  - Use a combination of Performance Solutions and DTS solutions to comply with the Performance Requirements of the NCC.
  - Discuss compliance options with relevant construction personnel to ensure compliance with NCC Performance Requirements.
  - Identify and complete relevant documentation to meet Performance Requirements of the NCC.
- Apply fire protection requirements.
  - Read the NCC requirements to determine fire resistance required for all classes and types of buildings.
  - Identify and apply NCC requirements with respect to passive and active fire protection to all classes and types of buildings.
  - Check existing buildings for compliance with passive and active fire protection requirements according to NCC requirements. (See HO2 and NCC to create checklist)
- Implement strategy to manage construction compliance.
  - Establish strategies to manage construction compliance of large, complex and high-rise buildings with the NCC.
  - Implement and coordinate the work of professionals involved in the development and management of the building process.
  - Seek effective design solutions for buildings of more than three storeys to meet the needs of clients and ensure compliance with the NCC.
  - Design and implement quality assurance processes to ensure effective and compliant management of the construction process.
  - Detect non-conforming building materials and products and manage the evidence of suitability as required in the NCC.

These tasks may be simulated or real. The Participant is to gather evidence of how they have completed each component of the Practical Task, which is to be submitted with this Practical Assessment sheet. Evidence includes site plan and workplace documents covering the information required. A template is available.

| Practical Task 1                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| The Observer is to provide detailed comments on the tasks completed by the Participant (on the Observer Comments, overleaf). The Assessor is to verify the Observer's comments, noting their findings in the Assessor Comments (on the back of the Practical Assessment cover page) and provide the assessment outcome.                                                                                                                                  |                                                                                    |
| <b>Resources required:</b><br>Construction schedules, plans, drawings and specifications for one (1) building project over three (3) storeys, with below ground construction; workplace quality policies and procedures; technology to access building and related industry codes, standards and manufacturer product information and materials specifications; Technology to access the NCC and current relevant Acts and Regulations. PPE as required. |                                                                                    |
| Observer details                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                    |
| Name of observer:                                                                                                                                                                                                                                                                                                                                                                                                                                        | Jackson Bailey                                                                     |
| Role of observer<br>(Confirm suitability to sign)                                                                                                                                                                                                                                                                                                                                                                                                        | Project Manager                                                                    |
| Email address of observer                                                                                                                                                                                                                                                                                                                                                                                                                                | jbailey@besixwatpac.com                                                            |
| Signature of observer:                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| Date:                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 26/04/2024                                                                         |

| When completing the task, did the Participant:                                                                                                 | Tick if satisfactorily completed.<br>Provide comments if left unticked. |
|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>1 Interpret relevant codes and standards' requirements</b>                                                                                  |                                                                         |
| 1.1A. Determine the scope of works and NCC general requirements and Performance Requirements to achieve a DtS solution.                        | <input checked="" type="checkbox"/>                                     |
| 1.1B. Identify Australian Standards referenced in the NCC Relevant to the build and confirm the requirements.                                  | <input checked="" type="checkbox"/>                                     |
| <b>2 Classify the building</b>                                                                                                                 |                                                                         |
| 1.2A. Determine the use and arrangement of the building and apply the appropriate NCC classification/s.                                        | <input checked="" type="checkbox"/>                                     |
| 1.2B. Locate and document NCC requirements for multiple classifications.                                                                       | <input checked="" type="checkbox"/>                                     |
| <b>3 Apply solutions to construction problems</b>                                                                                              |                                                                         |
| 1.3A. Determine the range of NCC criteria required to ensure project compliance.                                                               | <input checked="" type="checkbox"/>                                     |
| 1.3B. Identify alternative, compliant solutions for construction problems to comply with NCC Performance Requirements.                         | <input checked="" type="checkbox"/>                                     |
| 1.3C. Apply a Performance Solution supported by one or a combination of the Assessment Methods to meet the Performance Requirement of the NCC. | <input checked="" type="checkbox"/>                                     |
| 1.3D. Use a Deem-to-Satisfy (DTS) solution supported by one or a combination of Assessment Methods to meet NCC compliance.                     | <input checked="" type="checkbox"/>                                     |
| 1.3E. Use a combination of Performance Solutions and DTS solutions to comply with the Performance Requirements of the NCC.                     | <input checked="" type="checkbox"/>                                     |
| 1.3F. Discuss compliance options with relevant construction personnel to ensure compliance with NCC Performance Requirements.                  | <input type="checkbox"/>                                                |
| 1.3G. Lead discussions to explore solutions to complex design problems with relevant construction personnel.                                   | <input checked="" type="checkbox"/>                                     |
| 1.3H. Identify and complete relevant documentation to meet Performance Requirements of the NCC.                                                | <input checked="" type="checkbox"/>                                     |

| When completing the task, did the Participant:                                                                                                                                 | Tick if satisfactorily completed.<br>Provide comments if left unticked. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>4 Apply fire protection requirements</b>                                                                                                                                    |                                                                         |
| 1.4A. Read the NCC requirements to determine fire resistance required for all classes and types of buildings.                                                                  | <input checked="" type="checkbox"/>                                     |
| 1.4B. Identify and apply NCC requirements with respect to passive and active fire protection to all classes and types of buildings.                                            | <input checked="" type="checkbox"/>                                     |
| 1.4C. Check existing buildings for compliance with passive and active fire protection requirements according to NCC requirements. <i>(See HO2 and NCC to create checklist)</i> | <input checked="" type="checkbox"/>                                     |
| <b>5 Implement strategy to manage construction compliance</b>                                                                                                                  |                                                                         |
| 1.5A. Establish strategies to manage construction compliance of large, complex and high-rise buildings with the NCC.                                                           | <input checked="" type="checkbox"/>                                     |
| 1.5B. Implement and coordinate the work of professionals involved in the development and management of the building process.                                                   | <input checked="" type="checkbox"/>                                     |
| 1.5C. Seek effective design solutions for buildings of more than three storeys to meet the needs of clients and ensure compliance with the NCC.                                | <input checked="" type="checkbox"/>                                     |
| 1.5D. Design and implement quality assurance processes to ensure effective and compliant management of the construction process.                                               | <input checked="" type="checkbox"/>                                     |
| 1.5E. Detect non-conforming building materials and products and manage the evidence of suitability as required in the NCC.                                                     | <input checked="" type="checkbox"/>                                     |

**Observer comments:**