

BUILDING CODE OF AUSTRALIA (BCA/NCC) FOR ENGINEERS COURSE

(Navigating Certification, Developing Performance Solutions, and Proposed NCC 2025 Changes)



CHARBEL GITTANY BE(Hons) Dip(LG) Dip(ProjMgt) Dip(Access Consulting) AdvDip(BldgSurv) M(BldgSurv) NER

- Accredited Building Surveyor – (Unrestricted) (Formerly A1 Certifier)
- BCA Regulation Consultant with a strong background in compliance with all relevant building codes and standards.
- Over 14 years of service in local government, specialising in engineering and building code compliance for public and private construction projects.
- Master’s Degree on Identification and quantification of localised cracking using smart concrete structure

WORKSHOP SUMMARY 8 hours of CPD

This one-day building regulations course has been designed for engineers and other technical professionals to provide them with a basic understanding of the legislation relating to the Building Code of Australia (BCA) / National Construction Code (NCC). This course will cover historical building regulations, general information about the structural aspects of the BCA as well as touching upon hydraulic aspects of the NCC.

This course focuses on a range of topics related to the BCA:

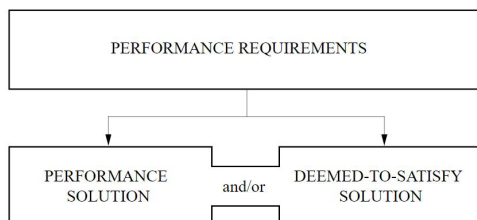
- Significance of building codes and their connection to legislation.
- Structure of the BCA, including its objectives, functional statements, performance requirements, and verification methods.
- Detailed guidance on navigating the housing provisions format and understanding the clause structure.
- Distinctions between BCA Volume 1 and Volume 2, along with Classification of buildings
- Review of Proposed Changes to the structural provisions in NCC 2025
- Methods for meeting performance requirements, assessing compliance, and interpreting housing provisions.
- Classification of buildings, the rationale behind it, and the method for doing so.
- Brief introduction relation to Performance based design briefs and Performance solutions.

PROGRAMME (8.30am Zoom invite will be emailed)

9.00 - 11.00 Session 1

- LEGISLATIVE HIERARCHY
- DEFINITION OF BCA IN LEGISLATION
- STATE VARIATIONS & HOW THE BCA IS INCORPORATED

- Explanation of how the Australian Standards are called up and linked with the ACT.
- Liability and duty of care in relation to structural engineering is different with regard to class 2, 3 and 9c buildings.
- Explanation of why each piece of legislation has transpired, and what it aims to address.
- Summary of structural defects in focus by building commissioner.



11.00 - 11.15 Morning Break

• One day course – **\$825 pp**

FURTHER INFORMATION

- (02) 9899 7447
- +61 413 998 031
- registrations@etia.net.au

• To register, visit our website www.etia.net.au
OR scan the QR Code.



11.15 - 1.00 Session 2

- OVERVIEW OF ENGINEERING PROVISIONS OF BCA VOLUME ONE & VOLUME TWO

(BCA Volume Two – Class 1 and Class 10)

- Explanation of Section H of the BCA
- ABCB housing provisions.
- Specific examples in which require a performance solution.

(BCA Volume One – Class 2 to Class 9)

- Explanation of Section B
- Verification methods
- Specific examples in which require a performance solution.



1.00 - 1.30 Lunch Break

1.30 - 3.00 Session 3

- DETERMINING TYPES OF CONSTRUCTION - DETERMINING FIRE-RESISTANCE LEVELS

- Explanation of specific examples to determine type of construction.
- Examples to determine FRL's for each specific building element.

Figure 4.2.14a: Footing slab and stiffened raft slab details for Class A and S sites

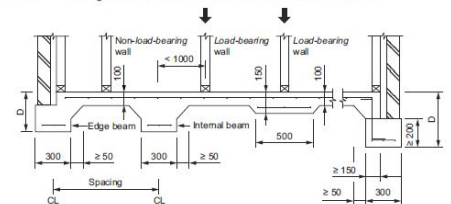
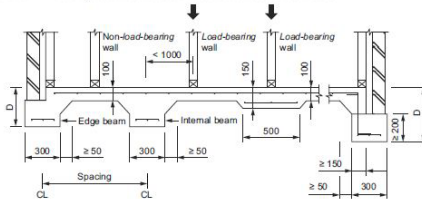


Figure 4.2.14b: Footing slab and stiffened raft slab details for Class M sites



3.00 - 3.30 Afternoon Break

3.30 - 5.00 Session 4

- DEVELOPMENT OF PERFORMANCE SOLUTIONS

- Performance based design brief
- Acceptance criteria
- Stakeholders
- Analysis
- Performance solution



5.00 - 5.15 Certificate of Attendance will be emailed