

BCA Volume 1 2022 – Detailed Summary of Proposed Changes (NCC 2022 Preview)

This document provides an overview of the current set of proposed changes for the Building Code of Australia Volume 1 as part of the Australian Building Codes Board's (ABCB) three yearly update cycle. This information has been extracted from the ABCB's **Preview** edition of the NCC, which covers the Stage 1 consultation. Click the link below to access the full suite of Stage 1 Preview documentation.

[Link to Preview edition of the NCC](#)



NCC 2022 Timeline

Note: changes proposed as part of the Stage 2 consultation (such as Section J and F8 condensation management) are yet to be issued to the industry under a Preview edition of the NCC. As such, the changes proposed as part of the Public Comment Draft process have been included within this document. We understand the Stage 2 Preview will be available August 2022.

In addition to the changes summaries within this document, NCC 2022 represents a new format and structure as part of the ABCB's improved NCC useability initiative. All Verification Methods, Performance Requirements, Deemed-to-Satisfy Provisions, and most Parts have been re-structured, re-numbered and re-formatted. For a full extent of proposed changes refer to the Preview documentation issued by the ABCB via the above link.

In reference to this summary document, the following limitations are advised:

- This document is issued for information only. The official preview documents issued by ABCB (as per link above) shall be referred to first and foremost in determining the full extent and specifics of changes.
- There is the potential for further changes to occur to these provisions once the final NCC is issued in September 2022
- Specialist advice should be obtained in relation to the implications of any proposed change.
- This document summarises the changes to Volume 1 of the NCC only. For changes relating to Volume 2 (Housing Provisions), and Volume 3 (Plumbing Code of Australia), refer to the Preview documents via the links above.

Section B: Structure			
Part B1: Structural Provisions			
Clause	Description		
B1D3 (Previously B1.2)	<p>New Requirement:</p> <ul style="list-style-type: none"> Removal of 'As appropriate' with respect to the requirement to address AS 1170.4 Requirements to include an additional permanent roof load of not less than 0.15kPa to support the addition of solar photovoltaic panels in certain Class 7b buildings. 		
Section C: Fire Resistance			
Part C2: Fire Resistance and Stability			
Clause	Description		
C2D10 (Previously C1.9)	<p>New Concessions:</p> <p>Inclusion of additional elements which are permitted to be included within external walls of buildings of Type A or B Construction (with respect to external wall combustibility):</p> <ul style="list-style-type: none"> Thermal breaks associated with – <ul style="list-style-type: none"> Glazing Systems, or External wall systems, where the thermal breaks – <ul style="list-style-type: none"> Are no longer than necessary to achieve thermal objectives, and Do not extend beyond one storey, and Do not extend beyond one fire compartment Compressible fillers and backing materials, including those associated with articulation joints, closing gaps not wider than 50mm. Isolated – <ul style="list-style-type: none"> construction packers and shims; or blocking for fixing fixtures; or fixings, including fixing accessories; or acoustic mounts Waterproofing materials applied to the external face, used below ground level and up to 250mm above ground level Joint trims and joint reinforcing tape and mesh of width not greater than 50mm. Weather sealing materials, applied to gaps not wider than 50mm, used within and between concrete elements. Wall ties and other masonry components complying with AS 2699 Part 1 and Part 3 as appropriate, and associated with masonry wall construction. Reinforcing base and associated minor elements that are wholly or predominantly encased in concrete or grout. A paint, lacquer or a similar finish or coating. Adhesives, including tapes, associated with stiffeners for cladding systems. Fire-protective materials and components <i>required</i> for the protection of penetrations. <p>Inclusion of material, when entirely composed for itself, are non-combustible and may be used wherever a non-combustible material is required:</p> <table border="0"> <tr> <td> <ul style="list-style-type: none"> Concrete Steel, including metallic coated steel Masonry, including mortar Aluminium, including aluminium alloy Autoclaved aerated concrete, including mortar Iron Terracotta Porcelain </td> <td> <ul style="list-style-type: none"> Ceramic Natural stone Copper Zinc Lead Bronze Brass </td> </tr> </table>	<ul style="list-style-type: none"> Concrete Steel, including metallic coated steel Masonry, including mortar Aluminium, including aluminium alloy Autoclaved aerated concrete, including mortar Iron Terracotta Porcelain 	<ul style="list-style-type: none"> Ceramic Natural stone Copper Zinc Lead Bronze Brass
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C2C10 (Previously C1.14)	<p>Clarification:</p> <p>Clarification that the requirements around elements ancillary to external walls only applies, where they are fixed, installed, attached to or supported by the internal space within, or external face of an external wall i.e. Not where they are attached to the internal face of an external wall.</p>		

Clause	Description
C2D10 (Previously C1.14)	<p><u>New Concession:</u> Addition of new concessions with regards to ancillary elements fixed, installed or attached to an external wall.</p> <ul style="list-style-type: none"> Waterproofing material installed in accordance with AS 4654.2 and applied to an adjacent floor surface, including vertical upturn, or roof surface. Collars, sleeves and insulation associated with service installations. Screens applied to vents, weepholes and gaps complying with AS 3959. Wiper and brush seals associated with doors, windows or other openings. Domestic air-condition condenser units. <p><u>Clarification:</u> Clarification that the requirements around elements ancillary to external walls only applies where they are fixed, installed, attached to or supported by the internal space within, or external face of an external wall.</p> <div style="border: 1px solid black; padding: 5px;"> <p><u>Limitations</u> C2D14 does not apply to ancillary elements fixed, installed or attached to the internal face or lining of an external wall.</p> </div>
C2D15 (New Clause)	<p><u>New Requirement:</u> Requirement for bonded laminate cladding panels in a building of Type A or B Construction to have all layers of cladding mechanically supported or restrained to the supporting frame.</p> <p><u>Note:</u> <i>An externally located bonded laminated cladding panel need not comply with the above if it is one of the following:</i></p> <ul style="list-style-type: none"> A laminated glass system Layered plasterboard product Perforated gypsum lath with a normal paper finish Fibrous-plaster sheet Fibre-reinforced cement sheeting A component for a garage door
Part C3: Compartmentation and Separation	
C3D6 (previously C2.5) Includes NSW C3D6(3)	<p><u>Note:</u> <i>Applies to Class 9 buildings</i></p> <p><u>New Requirement:</u></p> <ul style="list-style-type: none"> Introduction of the requirement for a Class 9b <i>early childhood facility</i> C3D6(2) – in a multi-classified building to be separated from the remainder of the building by walls and/or floors with an FRL not less than that required for a fire wall; and Each storey must contain not less than 2 fire compartments <p><u>New Concession:</u> C3D6(2) does not apply to a Class 9b early childhood centre;</p> <ul style="list-style-type: none"> Wholly within a storey that provides direct egress to a road or open space; or With a rise in storeys of not more than 2, where the Class 9b early childhood centre is the only use in the building.
Part C4: Protection of Openings	
C4D16 (previously C3.16)	<p><u>New Concession:</u> Clarifies fire service test drain pipes are permitted to be located within fire isolated exits (previously fire service water supply pipes).</p>
C4D16 (Previously C3.16)	<p><u>New Concession:</u> Permission to utilise a formal opinion by an Accredited Testing Laboratory under AS 4072.1 for a variation from a tested system with respect to the fire-rating of construction joints. Does not apply between joints between fire protected timber elements that are provided with cavity barriers in accordance with Specification 9.</p>
Specification 5: Fire Resisting Construction	
S5C3 (Previously Cl. 2.2 or Spec C1.1)	<p><u>New Concession:</u> Concessions to use timber framing to provide support to an element that is permitted by concessions within the BCA to be constructed of timber framing in lieu of non-combustible material.</p>

Clause	Description
Section D: Access and Egress	
Part D2: Provision of Escape	
D2D3 (Previously D1.2)	<p><u>New Requirement:</u> In addition to any horizontal exit, not less than 2 exits must be provided from each storey, or each fire compartment, containing a Class 9b early childhood centre.</p> <p><u>New Concession:</u></p> <ul style="list-style-type: none"> • <u>Class 2 – 8 Buildings:</u> Concession to permit a single exit to be provided to a part of a storey that otherwise requires the provision of two exits, provided that the storey; <ul style="list-style-type: none"> - Is provided with direct egress to a road or open space, and - Satisfies D2D5 by the provision of 1 exit. • <u>Class 9 Buildings</u> Concession to permit a single exit to be provided to a plant room, machinery room, storeroom, lift machine room or the like forming part of a storey that otherwise requires access to two exits, provided that the storey; <ul style="list-style-type: none"> - Is provided with direct egress to a road or open space, or - Is provided with direct egress to a road, open space to a fire-isolated exit complying with D2D12(2); and - Satisfies D2D5 by provision of 1 exit
D2D4 (Previously D1.3)	<p><u>New Requirement:</u> Requirement for every required exit stairway within a class 9b early childhood centre to be fire-isolated.</p> <p><u>Note:</u> <i>The above does not apply to –</i></p> <ul style="list-style-type: none"> • <u>A Class 9b early childhood centre wholly within a storey that provides direct egress to a road or open space;</u> <i>or</i> • <u>A Class 9b early childhood centre with a rise in storeys of not more than 2, where the Class 9b early childhood centre is the only use in that building.</u>
D2D8, D2D9, D2D11 (Previously D1.6)	<p><u>New Concession:</u> Permission of ladders provided in accordance with D2D21 (D1.16), D3D23 (D2.18), or I3D5 (H3.5) to not comply with dimensions of exit requirements under this clause.</p>
D2D16 (Previously D1.11)	<p><u>New Requirement:</u></p> <ul style="list-style-type: none"> • Requirement to provide a clear area on the side of a horizontal exit in a Class 9b early childhood centre which is of suitable size that accommodates all occupants of the clad 9b early childhood centre. • Requirement for the provision of not less than two horizontal exits not less than 9m apart (and not less than 9m away from an exit other than a horizontal exit) where fire compartmentation is required in a class 9b early childhood facility as determined by BCA C3D6(3).
D2D23 (Previously D1.8)	<p><u>New Requirement:</u></p> <ul style="list-style-type: none"> • New Requirement for a Class 9b primary school to be located wholly within a storey that provides direct egress to a road or open space. • The above requirements do not apply to a building with a rise in storeys of 4 or less, where the primary school is the only use in that building. <p>This new clause recognises the difficulties associated with evacuation of primary schools. Should a primary school be proposed within a storey that does not meet the requirements noted above, a Performance Solution is to be used to demonstrate compliance with the relevant Performance Requirements.</p>
Part D3: Construction of Exits	
D3D8 (Previously D2.7)	<p><u>Clarification:</u> Clarification that where an electrical distribution board is installed within a path of travel, it must always be provided with smoke seals – in addition to a fire protective covering or non-combustible construction.</p>

Clause	Description
D3D16 (Previously D2.15)	Clarification: With regards to Class 9c buildings that a 1:8 threshold ramp can only be used in a resident use area.
D3D19 (Previously D2.16)	New Requirement: <ul style="list-style-type: none"> Requirement for 125mm balustrade systems to be provided to fire-isolated stairways or ramps serving Class 9b early childhood centres. Where a barrier is fixed to the face of a landing, balcony, deck or the like, the opening between the barrier and the face must not permit a 40mm sphere to pass through.
D3D20 (Previously D2.16)	Clarification: <ul style="list-style-type: none"> Clarification that the barrier climbability requirements apply to balustrades forming part of an external stair or external ramps. Requirement to apply the barrier climbability requirements to a balustrade forming part of a fire-isolated stair or ramp serving a Class 9b early childhood centre.
D3D22 (Previously D2.17)	New Requirement: Requirement to provide a secondary handrail fixed at a height not less than 865mm in a Class 9b early childhood centre in addition to the primary handrail with; <ul style="list-style-type: none"> A cross-sectional dimension not less than 16mm and not greater than 45mm as measured in any direction across its centre, and Fixed at a height between 450mm and 700mm
D3D27 (Previously D2.22)	New Requirement: Requirement to provide re-entry to fire-isolated exists serving a Class 9b early childhood centre. Note: <i>The above requirement does not apply to a door fitted with a fail-safe device that automatically unlocks the door serving the Class 9b early childhood centre upon the activations of a fire alarm.</i>
Section E: Services and Equipment	
Part E1: Fire Fighting Equipment	
E1D2 (Previously E1.3)	Revised Requirement: New Fire Hydrant standard has been adopted AS 2419 – 2021
E1D11 (Previously E1.5)	New Requirement: Automatic Fire Sprinklers are required throughout the whole building in a building containing a Class 9b Early Childhood Centre including any parts of another part. However, this requirement does not apply to an early childhood centre: <ul style="list-style-type: none"> Where the storey provides direct egress to open space, or Where there is a rise in storey of not more than 2 and the 9b Early Childhood Centre is the only use.
E2D20 (Previously E2.2b)	New Requirement: A building containing a Class 9b early childhood centre, <u>must be provided with an automatic smoke detection</u> and alarm system including any part of another class however, it does not apply to a 9b early childhood centre wholly within a storey that provides direct egress to a road or open space.
Specification 17: Fire Sprinkler Systems	
S17C13 (Previously Spec E1.5)	New Requirement: Quick response automatic fire sprinkler must be provided to a Class 9b Early Childhood Centre , however, does not apply to the following; <ul style="list-style-type: none"> Where the storey provides direct egress to open space Where there is a rise in storey of not more than 2 and the 9b Early Childhood Centre is the only use.

Clause	Description
Specification 18: Class 2 and 3 Buildings Not More than 25m in Effective Height	
Spec 18 (Previously Spec E1.5a)	<p><u>Clarification:</u> Clarification that concessions afforded for Class 2 or 3 buildings with a rise in storeys of four or more and with an effective height of not more than 25m may be extended through the other uses of the building <u>in certain circumstances.</u></p>
Section F: Health and Amenity	
Part F1: External Waterproofing, Rainwater Management and Rising Damp	
Generally	<p><u>Revised Requirements:</u> Switch from ARI (Average Recurrence Interval), to AEP (Annual Exceedance Probability) as measurement of rainfall.</p>
F1D4 (New Clause)	<p><u>New Requirement:</u> Requirement for joints in the draining surface on a roof, balcony, podium or similar horizontal surface part of a building to –</p> <ul style="list-style-type: none"> a) Be protected by a discontinuous membrane in accordance with Section 2.9 of AS 4654.2; and b) Not be located beneath or run through a planter box, water feature or similar part of the building <p><u>Note 1:</u> For the purpose of F1D4, an exposed joint is a construction joint, control joint, expansion joint, contraction joint or movement joint and includes an exposed joint which is directly below a drainage surface.</p> <p><u>Note 2:</u> The above requirements do not apply to a surface covered with roof tiles, metal sheet roofing, plastic sheet roofing, terracotta, fibre-cement and timber slats and shingles.</p> <p><u>Note 3:</u> The above requirements do not apply to surface where the flooring is of timber decking or other perforated flooring, or which is located directly above ground.</p>
F1D5 (Previously F1.4)	<p><u>New Requirement:</u> A roof, balcony, podium or similar horizontal surface part of a building must be provided with a waterproofing membrane -</p> <ul style="list-style-type: none"> a) Consisting of materials complying with AS 4654.1; and b) Designed and installed in accordance with AS 4651.2 <p><u>Note 1:</u> The above requirements do not apply to a surface covered with roof tiles, metal sheet roofing, plastic sheet roofing, terracotta, fibre-cement and times slates and shingles.</p> <p><u>Note 2:</u> The above requirements do not apply to surface where the flooring is of timber decking or other perforated flooring, or which is located directly above ground.</p>
Part F2: Wet Areas and Overflow Protection	
F2D2 (Previously F1.7)	<p><u>Relocated / Revised Requirements:</u> Relocation of specific waterproofing requirements from F2D2 (Previously F1.7) to Specification 26.</p>
D2D3 (Previously F1.7)	<p><u>Revised Requirement:</u> Impervious material need only extend to the top of a urinal wall, rather than 50mm above it.</p>
F2D4 (Previously F1.11)	<p><u>Revised Requirements:</u> Requirement to grade the flooring where a floor waste is installed.</p> <p>Where a floor waste is installed –</p> <ul style="list-style-type: none"> a) The minimum continuous fall of a floor plane to the waste must be 1:80; and b) The maximum continuous fall of a floor plane to the waste must be 1:50.

Clause	Description
Part F3: Roof and Wall Cladding	
Part F3	<p><u>New Provisions:</u> Introduction of Deemed-to-Satisfy provisions with respect to external wall weatherproofing, where previously compliance was only possible via a Performance Solution.</p> <p><u>Note 1:</u> <i>The Deemed-to-Satisfy provisions are limited, and a Performance Solution will still be required in a number of instances.</i></p>
F3V1 (Previously Fv1.1)	<p><u>Revised Verification Method:</u> Changes to the criteria for assessment when utilising Verification Method F2V1 (FV1.1).</p>
F3D2 (Previously F1.5)	<p><u>New Revised Requirements:</u></p> <ul style="list-style-type: none"> • Changes to the applicable Australian Standards for certain roof covering types. • Addition of an external waterproofing membrane complying with F1D5 as a roof covering method.
F3D4	<p><u>New Requirements:</u> Deemed-to-Satisfy Provisions relating to the weatherproofing of external walls with respect to glazed assemblies (F3P1, previously FP1.4).</p> <p>Requirement for the following glazed assemblies in an external wall to comply with AS 2047:</p> <ul style="list-style-type: none"> • Windows • Sliding and swinging glazed doors with a frame, including French and bi-fold doors with a frame, • Adjustable louvres, • Shopfronts, and • Window Walls with one piece framing, <p><u>Note 1:</u> <i>The following glazed assemblies need not comply with AS 2047;</i></p> <ul style="list-style-type: none"> • <i>All glazed assemblies not in an external wall</i> • <i>Revolving doors</i> • <i>Fixed Louvres</i> • <i>Skylights, roof lights and windows in other than the vertical plane</i> • <i>Sliding and swinging glazed doors without a frame</i> • <i>Windows constructed on site and architectural one-off windows, which are not design tested in accordance with AS 2047</i> • <i>Second-hand windows, re-used windows and recycled windows</i> • <i>Heritage windows</i> <p><u>Note 2:</u> <i>The following buildings need to comply;</i></p> <ul style="list-style-type: none"> • <i>A Class 7 or 8 building where in the particular case there is no necessity for compliance.</i> • <i>A garage, tool shed, sanitary compartment, or the like, forming part of a building used for other purposes, except where the construction of the garage, tool shed, sanitary compartment or the like contributed to the weatherproofing of another part of the building that is required to be weatherproofed.</i> • <i>An open spectator stand or open deck.</i>

Clause	Description
F3D5 (New Clause)	<p><u>New Requirements:</u> Deemed-to-Satisfy Provisions relating to the weatherproofing of external walls with respect to wall cladding (F3P1, previously FP1.4).</p> <p>External wall cladding must comply with one or a combination of the following:</p> <ul style="list-style-type: none"> • Masonry, including masonry veneer, un-reinforced and reinforced masonry: AS 3700 • Autoclaved aerated concrete: AS 5146 • Metal wall cladding: AS 1562.1. <p>Note 1: Where wall cladding comprises elements other than the above, a Performance Solution is required. Note 2: The following buildings need not comply:</p> <ul style="list-style-type: none"> • A Class 7 or 8 building where in the particular case there is no necessity for compliance. • A garage, tool shed, sanitary compartment, or the like, forming part of a building used for other purposes, except where the construction of the garage, tool shed, sanitary compartment or the like contributed to the weatherproofing of another part of the building that is required to be weatherproofed. • An open spectator stand or open deck carpark.
Part F4: Sanitary and Other Facilities	
F4D5 (Previously F2.4)	<p><u>Clarification:</u> Clarified that where sanitary facilities suitable for use by persons with an ambulant disability are required to be provided, not less than one sanitary compartment suitable for a person with an ambulant disability for use by males and one sanitary compartment suitable for a person with an ambulant disability for use by females, must be provided.</p> <p>i.e. Unisex ambulant facilities are not permitted.</p>
Part F7: Sound Transmission and Insulation	
Part F7 (Previously Part F5)	<p><u>Revised Performance Requirements:</u></p> <ul style="list-style-type: none"> • Performance Requirements F7P1 (FP5.1) and F7P2 (F7P3 (FP5.4), and F7P4 (FP5.5) have been revised to contain quantified requirements for demonstrating compliance. • Performance Requirement FP5.2 has been deleted.

Note: The below changes have been taken from the NCC Public Comment Draft Document. A Preview version of these Clauses has not been released, as this forms part of the Stage 2 consultation by the ABCB due for release in August 2022.

Part F8: Condensation Management

F8v1 (Previously FV6)	<p>Revised Performance Requirements:</p> <p>F8V1 has been revised to include quantified criteria with regard to satisfying Performance Requirement F8P1.</p> <p>Note: These requirements apply only to a Class 2 building or part of a building.</p>
F8D3 (Previously F6.2)	<p>Revised Requirements:</p> <p>Where pliable building membranes, sarking-type materials, or insulation layers are installed on the exterior side of the primary insulation layer of an external wall, they must have a vapour permeance of no less than –</p> <ul style="list-style-type: none"> In climate zones 4 and 5, 0.143 µg/N.s: and In climate zones 6, 7 and 81 1.14 µg/N.s. <p>Note: These requirements apply only to a Class 2 building or part of a building.</p>
F8D4 (Previously F6.3)	<p>Revised Requirements:</p> <p>Revised requirements around the provision of exhaust systems in Class 2 or 4 buildings or parts with respect to flow rate and discharge.</p> <p>Note: These requirements apply only to a Class 2 building or part of a building.</p>
F8D5 (Previously F6.4)	<p>Revised Requirements:</p> <p>Revised requirements around the ventilation of roof spaces in Class 2 or 4 buildings or parts.</p> <p>Note: These requirements apply only to a Class 2 building or part of a building.</p>

Specification 5: Waterproofing and Water-Resistance Requirements for Building Elements in Wet Areas

S26C3 (Previously Table F1.7)	<p>Revised Requirements:</p> <p>The walls of the shower area must be waterproof not less than 1800mm above the floor substrate.</p>
S26C7 (Previously Table F1.7)	<p>New Requirements:</p> <p>Introduction of deemed-to-satisfy requirements relating to WC's with a hand-held bidet spray installation. The following applies;</p> <ul style="list-style-type: none"> Waterproof floor of the room Wall must be – <ul style="list-style-type: none"> Waterproof within a 1500mm radius from the wall connection of the hand held bidet spray device to a height of not less than 150mm above the substrate and; Water resistant within a 1500mm radius from the wall connection of the hand held bidet spray device to a height of not less than 1800mm above the finished floor level of the WC Waterproof wall junctions within WC area within 1500mm radius from the wall connection of the hand held bidet spray device. Waterproof wall/floor junctions within 1500mm radius from the wall connection of the hand held bidet spray device. Waterproof penetrations in WC area.

Specification 28: Sound Insulation for Building Elements

S28C7 (Previously Spec 5.2, Table 2)	<p>New Requirements:</p> <p>Introduction of additional acceptable forms of construction for walls – timber and steel framing (acoustics).</p>
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Clause	Description		
S28C10 (previously Spec 5.2, Table 3)	<u>New Requirements:</u> Introduction of additional acceptable forms of construction for floors - timber (acoustics).		
Section G: Ancillary Provisions			
Part G1: Minor Structures and Components			
G1D4 (Previously G1.3)	<u>Revised Requirements:</u> Revised requirements with respect to outdoor play spaces in a Class 9b early childhood centre. Any outdoor play space in a Class 9b early childhood centre must be enclosed on all sides with a barrier which complies with AS 1926.1 – Where the edge of the trafficable surface of the outdoor play space is less than 2m above the surface beneath <ul style="list-style-type: none"> • Complies with AS 1926.1; and • Where the edge of the trafficable surface of the outdoor play space is 2m or more above the surface beneath- <ul style="list-style-type: none"> - Is not less than 1.8m high, as measured from above the trafficable surface; and - Does not contain horizontal or vertical openings or apertures exceeding 100mm and is otherwise non-climbable; and - Is not within 1.8m, as measured directly from the top of the barrier, of any elements within the outdoor play space that facilitates climbing; and - Is not within 900mm of elements in a wall that facilitate climbing. 		
G2D3 (Previously G2.3)	<u>Clarification:</u> Walls forming the sides and back of an open fire place must be up to not less than 300mm above the underside of the arch or lintel which <ol style="list-style-type: none"> i. Are constructed in 2 separate leaves of solid masonry with a <u>total combined thickness</u> not less than 180mm, excluding any cavity; and ii. Do not exist of concrete block masonry in the construction of the inner leaf 		
Part G5: Construction in Bushfire Prone Areas			
Part G5	<u>Revised Requirements:</u> <ul style="list-style-type: none"> • Expansion of BCA requirements with respect to bushfire to Class 9a - Health Care, Class 9b – Early Childhood Centres, Class 9b – Primary or Secondary Schools, Class 9c – Residential Aged Care Facilities and Class 10 – Structures associated with these classifications. • Revised requirements with respect to the design and construction on buildings in bushfire prone areas. A building that is constructed in a designated bushfire prone area must be designed and constructed as follows; <ul style="list-style-type: none"> - Reduce the risk of ignition from a design bushfire with an annual probability of exceedance not more than 1:100 years; or 1:200 years for a Class 9 building; and - Take account of the assessed duration and intensity of the fire actions of the design bushfire; and - Be designed to prevent internal ignition of the building and its contents; and - Maintain the structural integrity of the building for the duration of the design bushfire. • Additional Performance Requirement G5P2 has been added relating to the buildings which may be occupied by people who may be unable to readily evacuate the building prior to a bushfire. • Addition of Specification 43 relating to bushfire protection for certain Class 9 buildings which prescribes design requirements around: <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <ul style="list-style-type: none"> - Separation from classified vegetation - Separation between buildings - Separation from allotment boundaries and car parking areas - Separation from hazards - Non-combustible paths around buildings - Access pathways </td> <td style="width: 50%; vertical-align: top;"> <ul style="list-style-type: none"> - Exposed external areas - Internal tenability - Building envelope - Supply of water for fire fighting - Emergency power supply - Signage - Vehicular access </td> </tr> </table> 	<ul style="list-style-type: none"> - Separation from classified vegetation - Separation between buildings - Separation from allotment boundaries and car parking areas - Separation from hazards - Non-combustible paths around buildings - Access pathways 	<ul style="list-style-type: none"> - Exposed external areas - Internal tenability - Building envelope - Supply of water for fire fighting - Emergency power supply - Signage - Vehicular access
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Clause	Description
G5D2 (Previously G5.1)	<p><u>New / Revised Requirements:</u> Application for part G extends to Class 9 buildings.</p> <p><u>New Requirement:</u> A building located in an area subject to a Bushfire Attack Level (BAL) not exceeding BAL – 12.5 determined in accordance with AS 3959 that is</p> <ul style="list-style-type: none"> • A Class 9a Health-care building; or • A Class 9b <ul style="list-style-type: none"> - An early childhood centre; or - A primary or secondary school; or • A Class 9c residential care building <p><u>Note:</u> <i>NSW Variations under the current NCC capture Class 9 buildings that form a 'Special Fire Protection Purpose' under the Rural Fire Services Act 1997. This includes schools, childcare facilities, and residential aged care facilities, amongst others. Hence, whilst the overall national NCC provisions capture this as a new requirement, there have always been provisions applicable to these buildings under NSW Part G5.</i></p>
G5D3 (Previously G5.2)	<p><u>Revised Requirement:</u> Wording changes with respect to a Class 10a building or deck required to comply with AS 3959 – only applies to a Class 10a building or deck <u>immediately adjacent</u> or <u>connected</u> to a Class 2 or 3 building in lieu of “associated with”.</p>
G5D4 (New Clause)	<p><u>New Requirement:</u> New requirement has been introduced with respect to protection of certain Class 9 buildings. In a designated bushfire prone area the following buildings must comply with Specification 43:</p> <ul style="list-style-type: none"> • A Class 9a Health-care building; or • A Class 9b <ul style="list-style-type: none"> - An early childhood centre; or - A primary or secondary school; or • A Class 9c residential care building • A Class 10a building or deck associated with a building of type listed in (a) to (c). <p><u>Note:</u> <i>NSW Variations under the current NCC capture Class 9 buildings that form a 'Special Fire Protection Purpose' under the Rural Fire Services Act 1997. This includes schools, childcare facilities, and residential aged care facilities, amongst others. Hence, whilst the overall national NCC provisions capture this as a new requirement, there have always been provisions applicable to these buildings under NSW Part G5.</i></p>
Part G7: Livable Housing Design	
Part G7 (New Part)	<p><u>New Requirements:</u></p> <ul style="list-style-type: none"> • New requirements have been introduced which set requirements for Class 2 dwellings to include features that are designed to improve their accessibility and usability for occupants and visitors, including those with a mobility related disability. • Requirement for each class 2 sole-occupancy unit in a Class 2 building to comply with the ABCB Standard for Livable Housing Design, except for Part 1.

Clause	Description
Specification 43: Bushfire Protection for certain Class 9b Buildings	
S43	<p><u>New Requirements:</u></p> <ul style="list-style-type: none"> • New requirements which set out the bushfire protection measures for buildings occupied by people who may be unable to readily evacuate the building prior to a bushfire. • The specification prescribes design requirements for certain Class 9 buildings relating to: <ul style="list-style-type: none"> - Separation from classified vegetation - Separation between buildings - Separation from allotment boundaries and car parking areas - Separation from hazards - Non-combustible paths around buildings - Access pathways - Exposed external areas - Internal tenability
<p>Note: Refer to the NCC Public Comment Draft document issued by the ABCB in July 2021 for proposed changes under Section J. A Preview version of these Clauses has not been released, as this forms part of Stage 2 consultation by the ABCB due for release in May 2022.</p>	
Section J: Energy Efficiency	
Section J	<p><u>New / Revised Requirements:</u></p> <p>Numerous changes to Verification Methods, performance Requirements, and Deemed-to-Satisfy Provisions relating to the energy efficiency of buildings.</p> <p><u>Specialist advice from ESD / Section J Consultant will be required in order to outline all relevant changes.</u></p>
SCHEDULE 1: Definitions	
Schedule 1 (Previously Schedule 3)	<p><u>New / Revised Definitions:</u></p> <p>Inclusion of a number of new / altered definitions for terms used within the NCC.</p>

Clause	Description
SCHEDULE 2: Referenced Documents	
Schedule 2 (Previously Schedule 4)	<p><u>New / Updated Referenced Document / Australian Standards:</u></p> <p><u>New Standards</u></p> <ul style="list-style-type: none"> • AS 1530 Part 8.1 – 2018 • AS/NZS 5601.1 – 2013 • ABCB Fire Safety Verification Method 2022 • ABCB Housing Provisions 2022 • ABCB Livable Housing Design 2022 • AIRAH-DA07 – 2020 • ASTM E96 – 2016 • AS 1546.1 – 2008 • AS 1546.2 – 2008 • AS 1546.3 – 2017 • AS 1546.4 – 2016 • AS 1547 – 2012 <p><u>Updated Standards</u></p> <ul style="list-style-type: none"> • AS 1170.2 – 2021 • AS 1288 – 2021 • AS 1397 – 2021 • AS 1546.2 – 2008 • AS 1684.2 & 3 – 2021 • AS 1720.4 – 2019 • AS 2419.1 – 2021 • AS 2699.1 – 2020 • AS 2699.3 – 2020 • AS 3500.0, 1, 2, 3 & 4 – 2021 • AS 3740 – 2021 • AS 4055 – 2021 • AS 4100 – 2020 • AS 4254.1 – 2021 • AS 5216 – 2021 • FPAA 101D – 2021 • NASH Standard – Steel Framed Construction in Bushfire Areas 2021 <p><u>Removed Standards</u></p> <ul style="list-style-type: none"> • AS 4256.1 – 1994 • AS 4256.2 – 1994 • AS 4256.3 – 1994 • AS 4256.5 – 1996 <p><u>Note 1:</u> A number of amendments to existing Australian Standards have been adopted in NCC 2022, this includes Amendment 1 and 2 of AS 2118.1 – 2017 and Amendment 1 of AS 1670.3 – 2018. Refer to Schedule 2 of NCC 2022 for complete overview.</p> <p><u>Note 2:</u> The transitional provision to rely on fire resistance test reports under AS 1530.4 carried out under previous revisions of the standard expires with the introduction of NCC 2022. From 1 September 2022, where products are required to achieve a Fire Resistance level (FRL), they must have a valid AS 1530.4 – 2014 assessment report.</p>