# Document control

**Applicant reference number** Enter ref. no. **FRNSW reference number** FRNSW use only

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Ver. | Author | Organisation | Status | Date |
| 01 | Enter name | Enter organisation name | Initial submission | Select |

# Applicant

## Agreement

As the applicant, I confirm the following:

I agree to pay Fire and Rescue NSW (FRNSW) the charges set out in [section 45](https://legislation.nsw.gov.au/view/whole/html/inforce/current/sl-2023-0471#sec.45)of the *Fire and Rescue NSW Regulation 2023* (see section 10).

I agree to forward with this application the following documentation for FRNSW to review and provide initial fire brigade consultation into the PBDB process:

 Copy of proposed plans and specifications (see section 11 ‘Submission of this form’)

 BCA report or letter from an accredited certifier that identifies all non-compliances (if available)

|  |  |  |  |
| --- | --- | --- | --- |
| Name of fire engineer | Enter name | BDC number | BDC enter no. |
| Company name | Enter organisation name |
| Fire engineer’s phone no. | Enter phone no. |
| Fire engineer’s email  | Enter email address |

## Remittance advice information

Invoices will be issued based on the information provided below:

|  |  |
| --- | --- |
| ASIC company name | Remitter’s ASIC registered company name |
| Australian business number | ABN (not ACN) | Trading name | Remitter’s general trading name |
| Remittance contact name | Remitter’s contact name |
| Remittance street address | Remitter’s street address |
| Remittance email address | Remitter’s email (i.e. accounts email for billing) |
| Remittance phone number | Remitter’s phone no. | Remittance fax number | Remitter’s fax no. |
| Purchase order ref. no. | If applicable | Project code ref. no. | If applicable |
| Project leader contact name | Project leader contact name |
| Project leader contact email | Project leader contact email |

# Consultation

## Stakeholders

|  |  |  |  |
| --- | --- | --- | --- |
| Role | **Name and BDC number** | **Organisation and Phone** | **Email address** |
| BCA consultant | Enter nameBDC enter no. | Enter organisation name**Phone no.** | **Enter email address** |
| Certifier | Enter nameBDC enter no. | Enter organisationnamePhone no. | **Enter email address** |
| FRNSW reviewers | FRNSW use onlyFRNSW use only | Fire and Rescue NSW02 9742 7434 | firesafety@fire.nsw.gov.au |

## Meeting details

Record the details of any meetings undertaken with FRNSW on the project.

|  |  |  |  |
| --- | --- | --- | --- |
| Meetings undertaken | Type of meeting | Meeting date | Attendees |
| Description of meeting | Select | Meeting date | Enter names |
| Description of meeting | Select | Meeting date | Enter names |
| Description of meeting | Select | Meeting date | Enter names |

# Project details

## Premises

|  |  |
| --- | --- |
| Premises name | Premises name (if applicable) |
| Primary street address | Primary street address |
| Secondary street address | Secondary street address (if applicable) |
| Premises suburb | Premises suburb name |
| Lot and DP numbers | E.g. Lots A and B of DP 12345, Lot 10 of DP 111213 |

## Proposed works

|  |  |  |
| --- | --- | --- |
|  New building | Applicable NCC\* (year) | Select |
|  Refurbishment of an existing building | Date of consent approval | Select |
|  Extension of an existing building | **For existing buildings:** |  |
|  Change in use of existing building (involving building work) | Year of construction | Year |
|  Other: (provide details)  | Building code of existing | Select |
| What is the approval pathway for the proposed works? | Select |
| How many performance solution issues are proposed in this PBDB? | Enter number |
| How many Performance Requirements are being assessed? | Enter number |
| Do any of the proposed performance solutions pertain to works already constructed on site? | Select |
| If yes, provide details, including reference to relevant performance solutions / issue numbers |

**\*Note**: The applicable NCC must relate to the ‘relevant date’ as defined by [section 19](https://legislation.nsw.gov.au/view/html/inforce/current/sl-2021-0689#sec.19) of the *EP&A(DCFS) Reg*.

|  |  |
| --- | --- |
| Are any of the performance solutions proposed because of: |  |
| - an issue relating to a notice of intention to issue a fire safety order on the subject building | Select |
| - an issue relating to a fire safety order that has been imposed on the subject building | Select |
| - an audit of the existing building that has identified an existing non-compliance | Select |
| - not being able to sign off an annual fire safety statement | Select |
| If yes, provide details, including reference to relevant performance solutions / issue numbers |
| **Note**: FRNSW will not comment on existing buildings subject to a change of use prior to the issuing of any DA conditions of consent, or conditions of an existing consent have been modified (i.e. section 4.55 of *Environmental Planning and Assessment Act 1979*). Comment will also not be provided if a development control order has been issued. However, the relevant Council may seek FRNSW comment during the DA assessment process. |

## Additional questions

|  |  |
| --- | --- |
| Does the proposal include a reduction in water supply to the fire hydrant or sprinkler system? | Select |
| Does the proposal relate to fire hydrant system flows and/or pressures? | Select |
| Does the proposal include a performance solution to not provide an active fire safety system that would otherwise be required to comply with NCC Deemed-to-Satisfy (DtS) provisions? | Select |
| Has there been any previous IFSR submission(s) made under [section 27](https://legislation.nsw.gov.au/view/html/inforce/current/sl-2021-0689#sec.27) of the *EP&A(DCFS) Reg.* pertaining to this development? | Select |
| If yes, provide details and appropriate references |
| Will the building likely be subject to a fire safety study, risk assessment or dangerous goods study? | Select |
| **Note**: Any study/risk assessment must be completed prior to submitting this PBDB consultation. |
| Have all departures from NCC DtS provisions been identified for this proposed design (i.e. a BCA report or letter from an accredited certifier)? | Select |
| **Note**: Any advice given is subject to all non-compliances being identified. Any new DtS departures identified, including any from the certifier determining the application for construction certificate, may affect FRNSW advice given in respect to this performance solution. |
| Does any previous or existing performance solution apply to the building? | Select |
| Provide details |
| Will the works be subject to an exemption under [section 111](https://legislation.nsw.gov.au/view/html/inforce/2024-03-04/sl-2021-0689#sec.111) of the *EP&A(DCFS) Reg.*? | Select |
| If yes, provide details |
| Is or will the premises be subject to any development application (DA) conditions or special regulatory approvals (e.g. BDC conditions, ministerial conditions, crown building works)? | Select |
| Provide details |

## Description of building

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Main occupancy class | Select | Largest fire compartment (within the building) | Area (m2) | Area |
| Other occupancy classes | Other classes | Volume (m3) | Volume |
| Type of construction | Select | Height (m) | Height |
| Effective height (m) | Actual effective height | Ground floor area (m2) | Area |
| Rise in storeys | RIS | Total floor area (m2) | Area |
| Levels contained | Levels | Total volume (m3) | Volume |
| Is the building, or does the building contain, an early childhood centre? | Select |
| Is the building, or does the building contain, a Data Centre? | Select |
| Is the development a major hazard facility? | Select |
| Is the development a waste management facility? | Select |
| Is the development a united building (e.g. podium with towers)? | Select |
| Outline any additional building characteristics: |
| Provide details |
| Outline the services provided for fire brigade / fire services intervention: |
| Provide details (such as a marked-up site plan indicating location of boosters, control rooms, panels, etc.) |
| List key occupant characteristics for the building: |
| Provide details |

# Hazards and risks

Indicate if the building has, or will have, any of the following (indicate all applicable):

|  |  |
| --- | --- |
|  Combustible external cladding |  Insulated sandwich panels  |
|  Combustible waste (i.e. waste facility) |  Podium type building |
|  Electricity supply system (e.g. substations) |  A basement level |
|  Battery system (e.g. BSS, BESS, ESS) |  An atrium (Part G3 of BCA) |
|  Alternative electrical generation (e.g. solar, tri-gen) |  Electric vehicle charging |
|  Automatic vehicle parking system (e.g. car stacker)  |  Green wall |
|  Automatic storage and retrieval system (ASRS) |  Other (provide details below) |
|  Hazardous chemicals / dangerous goods (provide details below) |
| Additional information: |
| Provide details |

**Note:** Clauses E1D17 and E2D21 of the NCC should be addressed when special hazards exist (e.g. car stacker, hazardous chemicals/dangerous goods).

# Proposed preventative and protective measures

Identify the fire safety measures that are proposed to be provided in the building, including anything undecided, which should be mentioned as part of the PBDB. Additional information may be added to the comments section below to better describe any systems or indicate systems that may be subject to any performance solution.

|  |  |  |
| --- | --- | --- |
| Suppression system | Detection system | Facilities for emergency services |
|  CA16 (existing building) |  AS 3786:2014 |  Emergency lifts |
|  AS 2118.1-2017 |  AS 3786-1993 (existing building) |  Fire control centre |
|  AS 2118.1-2006  |  AS 1670.1:2018 |  Fire control room |
|  AS 2118.1-1999 (existing building) |  AS 1670.1:2015 (existing building) |  Perimeter vehicular access |
|  AS 2118.2-2021 (wall-wetting) |  AS 1668.1:2015 |  Standby power supply system |
|  AS 2118.2-2010 (wall-wetting) |  AS 1670.3-2018 (monitored) | **Occupant warning system** |
|  AS 2118.3-2010 (deluge) |  AS 1670.3-2004 (existing building) |  Building occupant warning |
|  AS 2118.4-2012 (residential) |  Smoke alarms |  EWIS |
|  AS 2118.5-2006 (domestic) |  Heat alarms |  SSISEP |
|  AS 2118.6-2012 (combined) |  Smoke detectors |  Break glass unit |
|  FPAA101D |  Heat detectors |  Visual / tactile alarm devices |
|  FPAA101H |  Flame detectors | Signage |
|  Fast response heads |  CO detectors |  Emergency lighting |
|  ESFR |  Multi-criteria fire detectors |  Exit and direction signs |
|  Storage mode sprinklers |  Aspirated smoke detection |  Warning and operational signs |
|  Gaseous suppression system |  Beam detection | **Protection of openings** |
|  Water mist system | Water supply |  Fire doors |
| Hydrant system |  Reticulated town main |  Smoke doors |
|  AS 2419.1:2021 |  Private water main |  Solid core doors |
|  AS 2419.1-2017 |  Onsite storage tank |  Fire windows |
|  AS 2419.1-2005 |  Gravity tank/reservoir |  Fire shutters |
|  AS 2419.1-1994 (existing building) |  Dual supply (sprinklers) |  Wall-wetting sprinklers |
|  Ordinance 70 (existing building) |  Dual supply (hydrants) |  Fire curtain |
|  Dry fire hydrant system | **Smoke hazard management** |  Smoke curtain |
|  External hydrants |  Zone smoke control |  Safety curtain for openings |
|  Internal hydrants |  Purge system (existing building) |  Fire dampers |
|  Street hydrant coverage only |  Smoke and heat vents |  Smoke dampers |
|  Hydrant booster assembly |  Smoke exhaust |  Fire seals (intumescent) |
|  Pumpset |  Smoke baffles |  Medium temp. smoke seals |
| **Firefighting hose connections** |  Ridge vents |  Fire collars |
|  AS 2419.4:2021 |  Stair pressurisation |  Attenuation screens |
|  Fire brigade thread (FBT) |  Impulse / jet fans (in carpark) | **Firefighting equipment** |
|  Other (provide details below) |  |  Portable fire extinguishers |
|  |  |  Fire hose reels |
| Additional information: |
| Provide details |

# Departures from the DtS provisions

1. Enter a short title describing the issue or DtS departure

Details of departures from DtS provisions:

Enter a brief summary to describe the specific departure/s from the DtS provisions

Applicable DtS provisions (inc. clause excerpt):

List details

Applicable Performance Requirements:

List details

List key fire safety measures:

Provide details on Trial Design requirements and summary of key fire safety measures relied upon

Proposed performance solution:

Provide details on the performance solution issue and the solution that is proposed

Performance solution:

**Note:** The equivalent reference for the applicable NCC version will apply when not NCC 2022.

 A2G2(1)(a) – the solution complies with all relevant performance requirements

 A2G2(1)(b) – the solution is at least equivalent to the DtS provisions

Assessment methods:

**Note:** The equivalent reference for the applicable NCC version will apply when not NCC 2022.

 A2G2(2)(a) – Evidence of suitability  A2G2(2)(c) – Expert judgement

 A2G2(2)(b)(i) – Verification methods provided in the NCC  A2G2(2)(d) – Comparison with DtS provisions

 A2G2(2)(b)(ii) – Other verification methods accepted by the

 appropriate authority

Assessment approach:

 Comparative  Deterministic  Qualitative

 Absolute  Probabilistic  Quantitative

AFEG sub-systems used in the analysis:

 A – Fire initiation and development and control  D – Fire detection, warning and suppression

 B – Smoke development and spread and control  E – Occupant evacuation and control

 C – Fire spread and impact and control  F – Fire services intervention

Acceptance criteria and factor of safety:

Provide details

Fire scenarios and design fire parameters:

Provide details

Describe how fire brigade intervention will be addressed or considered:

Provide details

Verification/validation analyses:

 Sensitivity studies  Redundancy studies  Uncertainty studies  None

Provide details of the study or justification why one was not undertaken

Provide details on proposed modelling/assessment tools:

Provide details on modelling/assessment tools – attach CFD/zone modelling inputs form if applicable

1. Enter a short title describing the issue or DtS departure

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Fire scenarios and design fire parameters:

Provide details

Describe how fire brigade intervention will be addressed or considered:

Provide details

Verification/validation analyses:

 Sensitivity studies  Redundancy studies  Uncertainty studies  None

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Provide details

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Provide details

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Provide details on proposed modelling/assessment tools:

Provide details on modelling/assessment tools – attach CFD/zone modelling inputs form if applicable

**Note: If required, copy and paste entire issues section to add more performance solution issues**

# Construction, commissioning, management, use and maintenance

What considerations does the performance solution require during the construction phase?

Provide details

How will the performance solution affect commissioning of the systems (e.g. listed on fire safety schedule as essential or critical measure, combined new and old installations)?

Provide details

How will the performance solution be addressed for ongoing building management and use (e.g. details to be provided in a ‘fire safety management plan’ for the building manager)?

Provide details

How will any restrictions on fuel load/use/populations within the performance solution be managed and enforced (e.g. details to be provided in ‘fire safety management plan’)?

Provide details

How will the performance solution be addressed for maintenance (e.g. details included on fire safety schedule, location of fire engineering report on site, plain English summary adjacent to FIP)?

Provide details

# Additional comments

Provide any additional comments relevant the the PBDB

**Note**: Any in principle support extended for performance solution issues through consultation is contingent upon all assumptions, analyses and conclusions in the fire engineering report being fully justified, and referenced as appropriate, to demonstrate how the relevant performance requirements have been satisfied to the extent required by the agreed acceptance criteria.

# Scheduled charges

FRNSW charge for the provision of services performed in connection with statutory fire safety, as per the schedule of charges identified in [section 45](https://legislation.nsw.gov.au/view/html/inforce/current/sl-2023-0471#sec.45) of the *Fire and Rescue NSW Regulation 2023*.

The charge applicable is $2,600 for each day (or part of a day) spent by the Commissioner or a fire brigade member providing advisory, assessment or consultancy services.

**Note**: For a full description of the charges applicable including terms, payment options, applying for a waiver or reduction of the charges, please refer to the FRNSW website at [www.fire.nsw.gov.au/firesafety](http://www.fire.nsw.gov.au/firesafety).

# Submission of this form

This completed form is to be emailed to firesafety@fire.nsw.gov.au.

Copies of plans and specifications necessary for consultation by FRNSW are to be uploaded to an FRNSW SharePoint directory or attached to the email, including:

 Relevant site, floor and elevation plans for the building

 Relevant schematic diagrams of hydraulic fire safety systems (e.g. hydrant system, sprinkler system/s)

 Recent statement of available pressure and flow (or equivalent) from water network utility operator

 CFD/zone modelling inputs form (if applicable) (available on FRNSW website).

**Note:** Reference should be made to [Submitting plans and specifications to FRNSW](https://www.fire.nsw.gov.au/page.php?id=9146) for further information.

# Contact us

For further information contact the Fire Safety Branch on (02) 9742 7434 or email firesafety@fire.nsw.gov.au.