# 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 [Clause 46](http://www.legislation.nsw.gov.au/#/view/regulation/2014/551/part5/sec46) of the *Fire Brigades Regulation 2014* (see Section 10).

I agree to forward with this application the following documentation for FRNSW to review and provide advice on the assessment methods and acceptance criteria proposed for the given performance solution:

 Copy of proposed building plans and specifications

(e.g. relevant floor plans, elevations, site plan, section views, hydrant plan and schematic)

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

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

 *Performance solution summary table* (available on FRNSW website)

|  |  |  |  |
| --- | --- | --- | --- |
| Name of fire engineer | **Enter name** | Registration number | **Number** |
| 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** e**mail (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 BPB number | Organisation and phone | Email address |
| BCA consultant | **Enter name**  **Registration number** | **Enter organisation name**  **Phone no.** | **Enter email address** |
| Certifier | **Enter name**  **Registration number** | **Enter organisation name**  **Phone no.** | **Enter email address** |
| FRNSW reviewers | FRNSW use only  FRNSW use only | Fire and Rescue NSW  02 9742 7434 | [firesafety@fire.nsw.gov.au](mailto: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** | |
| Is the premises considered a significant development or a unique building (e.g. Sydney Football Stadium, Sydney Opera House, Crown Towers, etc.)? | | **Select** | |

## Proposed works

 New building **Applicable NCC:** **Select**

 Refurbishment of an existing building

 Extension of an existing building **For existing buildings:**

 Change in use within an existing building Approximate year of construction: **Year**

Other: (provide details) Building code when constructed: **Select**

What is the proposed approval pathway?:

 Complying Development Certificate (CDC)  Construction Certificate (CC)  Crown works

 Voluntary upgrade  Other: (provide details)

How many performance solution issues are proposed in this FEBQ? **Select no**

How many Performance Requirements are being assessed? **Enter number**

Do any of the Performance Solutions proposed pertain to works already constructed on site? **Select**

**Provide details, including reference to relevant performance solutions / issue numbers**

**Are any of the solutions proposed as a result of:**

|  |  |
| --- | --- |
| An issue of a notice of intention to issue a fire order on the subject premise | **Select** |
| An issue of a fire order on the subject premise | **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** |
| (provide details) | |

**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** |
| Would the DtS provisions require the provision of an active fire safety system that is not proposed as part of the performance solution (i.e. is the performance solution deleting an active fire safety system)? | **Select** |
| If the proposal includes a waste management facility, does it comply with the current FRNSW Fire Safety in Waste Facilities Fire safety guideline? | **Select** |
| Has there been any previous IFSR submission(s) under Part 3 Division 3 of the *Environmental Planning and Assessment (Development Certification and Fire Safety) Regulation 2021* pertaining to this development?  **(If yes, provide details and appropriate references)** | **Select** |

Will the premises likely be subject to a fire safety study, risk assessment or dangerous goods study? **Select**

**Note**: Any study/risk assessment should be completed prior to submitting this FEBQ and should be attached to this application.

Have all departures from the deemed-to-satisfy (DtS) provisions of the *National Construction Code* (*NCC*) 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 in respect to this performance solution.

Identify if any previous performance solution applies to the building:

**Provide details**

Identify if any application has been/will be submitted for a fire safety exemption under Clause 188 of the *Environmental Planning and Assessment Regulation 2000* or under Section 111 of the *Environmental Planning and Assessment (Development Certification and Fire Safety) Regulation 2021*:

**Provide details**

Identify if the premises is or will be subject to any development application (DA) conditions or special regulatory approvals (e.g. BPB conditions, ministerial conditions, crown building works):

**Note**: FRNSW will not comment on existing buildings subject to voluntary upgrade or 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 an order has been issued unless the Council agrees. The Council may seek advice during the DA review.

**Provide details**

## Description of building

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Main occupancy class | **Select** | Largest fire compartment (within the building) | Area (m2) | **Area** |
| Other occupancy classes | **Other** | Volume (m3) | **Volume** |
| Type of construction | **Select** | Height (m) | **Height** |
| Effective height (m) | **Effective height** | Ground floor area (m2) | | **Area** |
| Rise in storeys | **RIS** | Total floor area (m2) | | **Area** |
| Levels contained | **Levels** | Total volume (m3) | | **Volume** |
| 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** |  | |  |

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

Outline any hazards unique to the building:

**Provide details**

 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)  Car stacker

 Electric vehicle charging  Green wall

 Automatic storage and retrieval system (ASRS)

 Hazardous chemicals / dangerous goods (provide details)

 Other: (provide details)

**Note**: Clauses E1.10 / E1D17 and E2.3 / E2D21 of the NCC should be addressed when special hazards exist (e.g. car stacker, hazardous chemicals/dangerous goods).

# Preventative and protective measures

Identify fire safety measures that are, or will be, provided throughout the building, including anything undecided, which should be mentioned as part of the FEBQ review. Additional information may be added to the comments section below to better describe any systems or indicate systems that may be subject to a 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 equipment** |  Ridge vents |  Fire collars |
|  Portable fire extinguishers |  Stair pressurisation |  Attenuation screens |
|  Fire hose reels |  Impulse / jet fans (in carpark) |  |
|  |  |  |

Additional information:

**Provide any additional information relevant to the measures**

# Departures from the Deemed-to-Satisfy provisions

1. Title: 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 (including 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:

|  |
| --- |
|  A2G2(1)(a) or A2.2(1)(a) - Comply with all relevant performance requirements   A2G2(1)(b) or A2.2(1)(b) - Be at least equivalent to the DtS provisions |

Assessment methods:

|  |
| --- |
|  A2G2(2)(a) or A2.2(2)(a) - Evidence of suitability   A2G2(2)(b)(i) or A2.2(2)(b)(i) - Verification methods provided in the NCC   A2G2(2)(b)(ii) or A2.2(2)(b)(ii) - Other verification methods accepted by the appropriate authority   A2G2(2)(c) or A2.2(2)(c) - Expert judgement   A2G2(2)(d) or A2.2(2)(d) - Comparison with the DtS provisions |

Assessment approach:

 Comparative  Qualitative  Deterministic

 Absolute  Quantitative  Probabilistic

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**

# 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 comment relevant to the FEBQ**

**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 [clause 46](http://www.legislation.nsw.gov.au/#/view/regulation/2014/551/part5/sec46) and [schedule 3](http://www.legislation.nsw.gov.au/#/view/regulation/2014/551/sch3) of the *Fire Brigades Regulation 2014*.

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 [firesafety.fire.nsw.gov.au](http://www.fire.nsw.gov.au).

# Submission of this form

This completed form is to be emailed to [firesafety@fire.nsw.gov.au](mailto:firesafety@fire.nsw.gov.au.with).

All plans and specifications required by FRNSW for assessment are to be attached to the email (or sent separately if necessary due to file size). Refer 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](mailto:firesafety@fire.nsw.gov.au).