* To be completed and submitted to the MFS Community Safety and Resilience Department **prior to initial project meeting via the New Project Application Form submission page**.
* This form is a checklist of information relevant when considering fire brigade intervention requirements pursuant to a Regulation 45 Relevant Fire Authority Comment and Report under the *Planning, Development and Infrastructure (General) Regulations 2017*. The intent of this checklist is to provide the MFS with a broad introduction to the project, the applicable or relevant provisions of the Building Code of Australia (BCA) and initial indication of anticipated areas of non-compliance and Performance Solutions. It is not an exhaustive checklist or assessment. This form is not to be used as a compliance check against the Deemed-to-Satisfy Provisions of the BCA.
* This form has been provided in Microsoft Word format for your convenience and to assist in expediting the Regulation 45 process. Once downloaded from the website it is no longer a controlled document. Please ensure the latest version of the form is downloaded from the MFS website.

|  |  |  |
| --- | --- | --- |
| **OFFICE USE ONLY** | **Date received:** | **File No.:** |
| **Submitted by:** | **Name:** | **Company:** |
| **Development Application number:** | / / | |
| **Premises Name & Address:** |  | |

**Part C – Fire Resistance**

| **Clause** | | **Select** | **Comments** |
| --- | --- | --- | --- |
| **C1.1** | Does the type of construction comply with Table C1.1? | Choose an item. |  |
| **SA C1.1** | Construction within 3m of brush fence? (Class 2 only) | Choose an item. |  |
| **C1.1** | Does the fire resisting construction comply with Specification C1.1? | Choose an item. |  |
| **C1.1** | Is combustible façade panelling proposed? | Choose an item. | Details: |
| **C1.11** | Does the wall design avoid outward collapse during fire? | Choose an item. |  |
| **C1.13** | Is *fire-protected timber* construction proposed? | Choose an item. |  |
|  | Type of *fire-protected timber* construction: | Choose an item. | Details: |
|  | Cavity barrier provided in accordance with Spec. C1.13: | Choose an item. |  |
|  | Compliance with Spec. C1.13a: | Choose an item. |  |
|  | Specification E1.5a FRL concession applied? | Choose an item. | FRL proposed:  Loadbearing: / /  Non-loadbearing: / / |
| **C2.2** | Is the floor area within prescribed limitations? | Choose an item. |  |
| **C2.3** | Is this a large isolated building? | Choose an item. |  |
|  | Building <18,000m2 ***and*** <108,000m3: | Choose an item. |  |
|  | Building >18,000m2 ***or*** >108,000m3: | Choose an item. |  |
|  | Buildings <6m from large isolated building, treated same (C2.3(c)): | Choose an item. |  |
| **C2.4** | Do open spaces / fire vehicle perimeter access comply?  (18m – Non-sprinklered; 6m – Sprinklered) | Choose an item. |  |
| **C2.5** | Do fire and smoke compartment areas comply?  (Class 9a &9c only ) | Choose an item. |  |
| **C2.8** | Does separation of classifications comply? | Choose an item. |  |
| **C2.14** | Public corridors (Class 2 or 3) length exceeding 40m? | Choose an item. |  |
| **SA C2.15** | Class 2 external walls exposed to brush fence? | Choose an item. |  |
| **C3.2** | Protection of openings in external walls comply? | Choose an item. |  |
| **C3.4** | Are sprinklers used for fire protection / separation?  (Including the use of protected operable windows) | Choose an item. |  |
|  | Window type: | Choose an item. |  |
| **C3.5** | Are fire doors / fire shutters proposed? | Choose an item. |  |
| **C3.11** | Does the bounding construction comply?  (Class 2, 3, & 4 buildings) (also, refer Clause C1.13 above for timber) | Choose an item. |  |
|  | Bounding construction proposed – loadbearing: | / / |  |
|  | Bounding construction proposed – non loadbearing: | / / |  |
|  | Windows in paths of travel: | Choose an item. |  |
| **Details of other relevant Clauses / Performance Solutions:** | | | |
|  | | | |

**Part D – Access and Egress**

| **Clause** | | **Select** | **Comments** |
| --- | --- | --- | --- |
| **DP7** | Is an evacuation lift proposed (to be used for emergency egress)? | Choose an item. |  |
| **D1.2** | Do the number of exits comply? | Choose an item. |  |
| **D1.2** | Are scissor stairs proposed? | Choose an item. |  |
|  | Scissor stair identification in accordance with MFS Guideline 002? | Choose an item. |  |
| **D1.4** | Do exit travel distances comply? | Choose an item. |  |
| **D1.5** | Do distances between alternative exits comply? | Choose an item. |  |
| **D1.6** | Do exit dimensions comply? | Choose an item. |  |
| **D1.10** | Do fire stair discharges comply? | Choose an item. |  |
| **D2.6** | Are refuges/lobbies proposed? | Choose an item. |  |
| **D2.20** | Do door swings comply? | Choose an item. |  |
| **D2.22** | Re-entry from fire isolated exits: | Choose an item. |  |
| **D2.23** | Are signs on fire and smoke doors required? | Choose an item. |  |
| **D2.25** | Timber stairways concession applied? | Choose an item. |  |
| **DHUD** | **Identification of fire exits in retail stores and places of public assembly (DHUD 5/97):-** | | |
|  | Green & white chevron striping of exits | Choose an item. |  |
|  | Flashing green strobes over exits (from FIP) | Choose an item. |  |
|  | Jumbo exit signage | Choose an item. |  |
| **Details of other relevant Clauses / Performance Solutions:** | | | |
|  | | | |

**Part E – Fire Fighting Equipment**

| **Clause** | | **Select** | **Comments** |
| --- | --- | --- | --- |
| **E1.3** | Are fire hydrants required? (total floor area over 500m2) | Choose an item. | No. required: |
|  | Hydrant system water supply: | Choose an item. | Details: |
|  | Has an SA Water flow test and/or network analysis been obtained? | Choose an item. |  |
|  | Are tanks required?  (SAMFS/CFS Policy 014 Above Ground Tanks) | Choose an item. | Capacity: |
|  | Are automatic tank quick fill facilities provided? | Choose an item. |  |
|  | Is direct, in-line pumping off the town main proposed? (approved by SA Water) | Choose an item. |  |
|  | Is a break tank / test return tank proposed? | Choose an item. | Location:  Capacity: |
|  | Is fire hydrant test water drainage or return-to-tank pipework proposed? | Choose an item. | Details: |
|  | Are on-site feed hydrants utilised? | Choose an item. |  |
|  | Are external hydrants located 10m away from the building? | Choose an item. |  |
|  | Are radiation barriers provided to external hydrants in accordance with AS2419.1? | Choose an item. |  |
|  | External hydrants greater than 50m from hardstand? | Choose an item. |  |
|  | Is a fire brigade booster assembly required? | Choose an item. |  |
|  | Is a radiation barrier provided to the booster? | Choose an item. |  |
|  | Diesel pump/s required / proposed? | Choose an item. | No. of: |
|  | Electric pump/s required / proposed? | Choose an item. | No. of: |
|  | Remote pump control panel required at FIP?  (refer MFS Policy 006 Pump Controls) | Choose an item. |  |
|  | Are full flow pumps proposed – 10L/s per hydrant? | Choose an item. |  |
|  | Is a fire brigade booster relay pump required? (boosting height >50m) | Choose an item. |  |
|  | Are pressure reducing stations required? | Choose an item. |  |
|  | Above-ground pipework or hangers required to be fire protected? | Choose an item. |  |
| **E1.4** | Are hose reels required? | Choose an item. |  |
|  | Fire hose reel supply: | Choose an item. |  |
| **E1.5** | Are sprinklers required? | Choose an item. |  |
|  | Type of sprinkler system (system design standard/criteria): | Choose an item. | Details: |
|  | Hazard Class of sprinkler system (please detail as appropriate):-  Area 1:  Area 2:  Area 3: | | |
|  | Sprinkler system design criteria (AS 2118/FPAA101D/FPAA101H/NFPA/FM):- | | |
|  | Sprinkler system water supply: | Choose an item. |  |
|  | Specialist fire suppression system proposed? | Choose an item. | Type: |
| **Spec E1.5a** | Is a dry hydrant system proposed?  (refer MFS Guideline 027 Dry Fire Hydrant Systems) | Choose an item. |  |
|  | Are any of the concessions permitted under this Spec. being applied? | Choose an item. | (please detail below) |
| **E1.6** | Are portable fire extinguishers required? | Choose an item. |  |
| **E1.8** | Is a Fire Control Centre required?  (building over 25m, Class 6, 7, 8 or 9 over 18,000m2) | Choose an item. | Location: |
| **Spec E1.8** | Is a Fire Control Room required?  (building over 50m) | Choose an item. | Location: |
| **E1.10** | Are provisions for special hazards necessary?  (this may need to be verified with the fire authority) | Choose an item. |  |
| **Details of other relevant Clauses / Performance Solutions:** | | | |
|  | | | |

**Part E – Smoke Hazard Management**

| **Clause** | | **Select** | **Comment** |
| --- | --- | --- | --- |
| **E2.2 Tables E2.2a or E2.2b:-** | | | |
|  | Is an exit pressurisation system to AS1668.1 required? | Choose an item. |  |
|  | Method of stair/exit relief | Choose an item. |  |
|  | Is zone pressurisation to AS1668.1 required? | Choose an item. |  |
|  | Is it a large isolated building subject to C2.3? | Choose an item. | Smoke management method: |
|  | Is it a Class 6 building with fire compartments >2,000m2 | Choose an item. | Smoke management method: |
|  | Is it a Class 6 building containing an enclosed common walkway or mall? | Choose an item. | Smoke management method: |
|  | Is it a Class 9b with specific provisions? | Choose an item. |  |
| **E2.3** | Are extra smoke hazard management measures necessary? | Choose an item. | Smoke management method: |
| **Specification E2.2a: Smoke detection and alarm systems** | | | |
|  | Is a fire alarm/detection system required? | Choose an item. |  |
|  | Type of system proposed: | Choose an item. |  |
|  | Is MFS monitoring required?  (Refer MFS Conditions of Connection Policy 037) | Choose an item. |  |
|  | Is non-Fire Service monitoring proposed? | Choose an item. |  |
|  | Is ducted mechanical exhaust provided to cooking areas?  (Class 2, 3, 4) | Choose an item. |  |
|  | Are Alarm Delay Facilities, Alarm Verification Facilities, Alarm Acknowledgement Modules, etc. proposed?  (Class 2, 3, 4) | Choose an item. | Details: |
|  | Sound pressure level of 75dB(A) at the bedhead as per AS1670.1:  (Requirement of AS1670.4 / MFS Conditions of Connection Policy 037) | Choose an item. |  |
|  | Female (recommended) Voice Messaging for Class 6 occupancies? | Choose an item. |  |
|  | Are manual call points proposed/required?  (Class 9a / 9c / other) | Choose an item. |  |
| **Specification E2.2b: Smoke exhaust systems** | | | |
|  | Is mechanical smoke exhaust proposed / required? | Choose an item. |  |
|  | Smoke reservoir sizes comply?  (2,000m2 and/or 60m in length for Class 6 malls) | Choose an item. |  |
|  | Is the exhaust rate in accordance with Specification E2.2b? | Choose an item. |  |
|  | Make-up air provisions:  (make-up air openings should be at low level, below the smoke layer) | Choose an item. | Details: |
| **Specification E2.2c: Smoke and heat vents** | | | |
|  | Are smoke-and-heat vents utilised per Specification E2.2c to AS2665? | Choose an item. |  |
|  | Make-up air provisions: | Choose an item. | Details: |
| **Specification E2.2d: Residential fire safety systems** | | | |
|  | Is a residential local fire alarm system for a Class 3 *residential care building* required? | Choose an item. |  |
|  | Connection of a residential sprinkler system to a fire station or other approved monitoring service (Class 2, 3)? | Choose an item. |  |
| **Details of other relevant Clauses / Performance Solutions:** | | | |
|  | | | |

**Part E – Lift Installations**

|  |  |  |  |
| --- | --- | --- | --- |
| **Clause** | | **Select** | **Comment** |
| **E3.2** | Is a lift stretcher facility required?  (Lift serving any storey above an effective height of 12m) | Choose an item. |  |
| **E3.4** | Are emergency fire lifts required?  (Building over 25m, 9a *patient care areas* on levels without direct access to a road or open space) | Choose an item. |  |
| **E3.7** | Fire service controls required?  (Lift serving any storey above an effective height of 12m) | Choose an item. |  |

**Part E – Occupant Warning Systems**

|  |  |  |  |
| --- | --- | --- | --- |
| **Clause** | | **Select** | **Comment** |
| **E2.2a** | Is an occupant warning system required? (AS1670.1)? | Choose an item. |  |
| **E4.9** | Is an emergency warning and intercom system required (AS1670.4)? | Choose an item. |  |
|  | Sound pressure level of 75dB(A) at the bedhead as per AS1670.4:  (\*Refer also MFS Policy 037 Conditions of Connection) | Choose an item. |  |
|  | Warden intercommunication points (WIPS) | Choose an item. |  |
| **Details of other relevant Clauses / Performance Solutions:** | | | |
|  | | | |

**Miscellaneous**

|  |  |  |  |
| --- | --- | --- | --- |
| **Clause** | | **Select** | **Comment** |
| **G3.1** | Does the building contain an atrium requiring application of part G3? (Refer BCA definition of an atrium) | Choose an item. |  |
| **Specification G3.8** | Do fire/smoke control systems in the atria comply? | Choose an item. |  |
| **SA G5.2/5.3** | Construction in a bushfire prone area? | Choose an item. |  |
| **H1.1** | Does the building contain a theatre, stage or public hall requiring application of H1? | Choose an item. |  |
| **H1.2** | Theatre fire safety provision: | Choose an item. |  |
| **Specification H1.3** | Does construction of proscenium wall comply? | Choose an item. |  |
| **H2** | Public transport building requiring application of Part H2? | Choose an item. |  |
| **H3** | Is the building a *farm building* or *farm shed*? | Choose an item. | Details: |
| **SA76** | Essential Safety Provisions maintained in accordance with Minister’s Specification SA76 / Ministerial Building Standard SA 002? | Choose an item. |  |
| **SA76a** | Caravan/Residential Park fire safety in accordance with Minister’s Specification SA76A / Ministerial Building Standard SA 003? | Choose an item. |  |
| **SA PDI Act** | Is a Section 134 fire safety upgrade applicable? | Choose an item. |  |
| **SA PDI Act** | Is a Building Fire Safety Committee Section 157 Notice applicable? | Choose an item. |  |

**Proposed *Performance Solutions* to BCA *Deemed-to-Satisfy Provisions***

\*Add additional tables as required

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Relevant *Performance Requirement(s)*** | **Relevant *Deemed-to-Satisfy Provision(s)*** | ***Assessment Method* BCA A2.2(2)** |
|  | **BCA-** | **BCA-** | (a)  (b) (i)  FSVM  (b) (ii)  (c)  (d) |
| **Proposed *Performance Solution***  *Details:* | | | |
| **Justification for *Performance Solution***  Qualitative  Quantitative  *Details:* | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Relevant *Performance Requirement(s)*** | **Relevant *Deemed-to-Satisfy Provision(s)*** | ***Assessment Method* BCA A2.2(2)** |
|  | **BCA-** | **BCA-** | (a)  (b) (i)  FSVM  (b) (ii)  (c)  (d) |
| **Proposed *Performance Solution***  *Details:* | | | |
| **Justification for *Performance Solution***  Qualitative  Quantitative  *Details:* | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Relevant *Performance Requirement(s)*** | **Relevant *Deemed-to-Satisfy Provision(s)*** | ***Assessment Method* BCA A2.2(2)** |
|  | **BCA-** | **BCA-** | (a)  (b) (i)  FSVM  (b) (ii)  (c)  (d) |
| **Proposed *Performance Solution***  *Details:* | | | |
| **Justification for *Performance Solution***  Qualitative  Quantitative  *Details:* | | | |

**With reference to NCC 2019 Volume One, Section A – Governing Requirements:-**

