

Appendix 3

Further smoke alarm requirements for building classes pursuant to the NCC

| Requirements for building classes | 1a | 1b | 2 | 3 | 4 |
|--|----|----|---|---|---|
| <p>Smoke alarms must be installed:</p> <ul style="list-style-type: none"> • (on a storey containing bedrooms), located between each part of the dwelling containing bedrooms and the remainder of the dwelling, and the hallway to the bedrooms; and • in any other storey not containing bedrooms.¹ | √ | √ | | | |
| <p>A system of lighting must be installed consisting of a light incorporated within the smoke alarm, or lighting in the hallway or corridor or area served by the smoke alarm.²</p> | | √ | | | |
| <p>Smoke alarms must be installed:</p> <ul style="list-style-type: none"> • (on every storey containing bedrooms) between each part of the unit containing bedrooms and the remainder of the unit, and any hallway servicing bedrooms; • in storeys with no bedroom alarms must be installed in egress paths <p>Where the building itself has no sprinkler system alarms complying with AS 1670.1, alarms must be installed in public corridors and other internal public spaces, and connected to an occupant warning system.³</p> | | | √ | √ | √ |
| <p>In areas where the use of the areas is likely to result in spurious signals (e.g. a kitchen), any other alarm deemed suitable in accordance with AS 1670.1 may be installed as long as alarms are installed elsewhere in the sole occupancy unit. An alarm acknowledgement facility may alternatively be used in these areas. If the area in question has sprinklers the alarms need not be installed in that area.⁴</p> | | | √ | √ | √ |

1 Australian Building Codes Board (ABCB), *NCC*, vol. 2, part 3.7.2.

2 ABCB, *NCC*, vol. 2, part 3.7.2.

3 ABCB, *NCC*, vol. 2, part 3.7.2.

4 ABCB, *NCC*, vol. 2, part 3.7.2.

| Requirements for building classes | 1a | 1b | 2 | 3 | 4 |
|---|-----------|-----------|----------|----------|----------|
| Outside the sole occupancy unit area, a smoke detection system may also be installed. If installed, the system must comply with parts of AS 1670.1 and activate a building occupant warning system. ⁵ | | | √ | √ | √ |
| A combination of both smoke alarms in the sole occupancy unit area, and a smoke detection system not within the sole occupancy unit area is also permissible. ⁶ | | | √ | √ | √ |
| Where the class 3 part of a building is located more than two storeys above ground, or accommodated more than 20 people and is used as a residential part of a school or accommodation for the aged, children or people with a disability, a smoke alarm detection system <u>must</u> be provided. ⁷ | | | | √ | |

5 ABCB, *NCC*, vol. 2, part 3.7.2.

6 ABCB, *NCC*, vol. 2, part 3.7.2.

7 ABCB, *NCC*, vol. 2, part 3.7.2.