APPROVED BY THE CALIFORNIA BUILDING STANDARDS COMMISSION
JUNE 27, 2023

# COMMISSION ACTION MATRIXBUILDING FIRE AND OTHER – STRUCTURAL DESIGN/LATERAL FORCES AD-HOC (BFO/SDLF) CODE ADVISORY COMMITTEE

## 2022 California Building code, TITLE 24, PART 2 AGENCY: Office of the state fire Marshal, sfm 02/22

### LEGEND:

**CAC Actions:** Approve, Disapprove, Approve as Amended, Further Study Required

**Agency Responses:** Accept, Disagree, Withdraw

**CBSC Actions:** Approve, Disapprove, Approve as Amended, Further Study Required

**Matrix Paper Color** (for commission action only): GREEN = uncontested items, YELLOW = challenged items, SALMON = withdrawn, no action required

If using assistive technology, please adjust your settings to recognize underline, strikeout, italic and ellipsis.

* Model Code language appears upright
* Existing California amendments appear in *italic*
* Amended model code or new California amendments appear *underlined & italic*
* Repealed model code language appears ~~upright and in strikeout~~
* Repealed California amendments appear in *~~italic and strikeout~~*
* Ellipses ( ...) indicate existing text remains unchanged

### Chapter 1 SCOPE AND ADMINISTRATION

Amend sections listed below.

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| --- | --- | --- | --- | --- | --- | --- |
| **Item Number 1** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
|  | ***1.11.1 SFM-Office of the State Fire Marshal: Specified state-occupied buildings.*** | **Approve** | **Accept** | No public comments received. | Amend the definition of Specified State-Occupied buildings to remove exception and the reference to the University of California (UC). | **Approved** |
|  | **1.107.2.3 Means of Egress** | **Approve** | **Accept** | No public comments received. | Proposal to delete the reference to I-1 and replace with R-2.1 | **Approved** |

### Chapter 2 SECTION 202 DEFINITIONS

Amend definitions listed below.

|  |  |  |  |  |  |  |
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| **Item Number 2** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 02/22-2-1 | **CARE SUITE** | **Approve** | **Accept** | No public comments received. | Amend defined term for Care Suite to delete provisions regulating occupancy Group I-2.1. | **Approved** |
| SFM 02/22-2-2 | **FLAMMABLE GAS** | **Approve** | **Accept** | No public comments received. | Amend defined term for flammable gas to include Category 1A and 1B. | **Approved** |
| SFM 02/22-2-3 | ***NONPATIENT-CARE SUITE*** | **Approve** | **Accept** | No public comments received. | Amend defined term for Care Suite to delete provisions regulating occupancy Group I-2.1. | **Approved** |

### Chapter 3 OCCUPANCY CLASSIFICATION

Amend and repeal sections listed below.

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| **Item Number 3** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 02/22-3-1 | **302.1 Occupancy classification.** | **Approve** | **Accept** | No public comments received. | Delete reference to I-2.1 occupancy. | **Approved** |
| SFM 02/22-3-2 | **304.1 Business Group B.** | **Approve** | **Accept** | No public comments received. | Delete reference to I-2.1 occupancy. | **Approved** |
| SFM 02/22-3-3 | **Table 307.1(1)** **307.4 High-Hazard Group H-2.** **307.5 High-Hazard Group H-3.** | **Approve as Amended** | **Accept** | No public comments received. | Amend regulations regarding H2 and H3 occupancies for Flammable Gases Categories 1A and 1B.**Code Advisory Committee (CAC):** **AA under Criteria #6.** Recommended to spell out “BV” as “Burning Velocity” in the footnote to Table 307.1(1) to identify the acronym. Associated with SFM 07/22 Part 9, Item 14-2. | **Approved** |
| SFM 02/22-3-4 | **308.1 Institutional Group I.*****~~308.3.3 Institutional Group I.2.1~~*** | **Approve** | **Accept** | No public comments received. | Delete reference to I-2.1 occupancy. | **Approved** |

### Chapter 4 DETAILED REQUIREMENTS BASED ON OCCUPANCY AND USE

Amend existing and add new sections as listed below.

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| **Item Number 4** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 02/22-4-1 | **407, 407.1, 407.2, 407.4, 407.4.1, 407.4.2 and 407.4.4** | **Approve** | **Accept** | No public comments received. | Delete reference to I-2.1 occupancy in the Section Title and subsequent sections listed. | **Approved** |
| SFM 02/22-4-2 | **407.4.4.1 Exit access through care suites.** | **Further Study** | **Disagree** | No public comments received. | Amend this section to reinstate an International Building Code provision published in the 2018 IBC and 2019 CBC.**CAC:** **FS under Criteria #1, 6, 7.** Recommended to study if the added language would be in conflict or add confusion to the code user as the added text is similar to Section 407.4.4.3 amendments.**See ISOR for detailed Agency response.** | **Approved** |
| SFM 02/22-4-3 | **407.4.5, 407.5 and 407.11** | **Approve** | **Accept** | No public comments received. | Delete reference to I-2.1 occupancy. | **Approved** |
| SFM 02/22-4-4 | **414.2.5 Hazardous material in Group M display and storage areas and in Group S storage areas.*****Table 414.2.5 (3)*** ***414.2.5.4 Flammable gas.*****Table 414.5.1** | **Further Study** | **Accept** | No public comments received. | Amend these sections to coordinate the requirements for flammable gas.**CAC:** **FS under Criteria #6.** Recommended to, in Table 414.2.5 (3) Footnote c, replace “quantities area allowed” with “quantities are allowed” and check the statement about separation control areas not being required. For Section 414.2.5.4, change the reference to California Fire Code from International Fire Code. These edits are associated with SFM 07/22 Part 9, Item 14-2. | **Approved** |
| SFM 02/22-4-5 | **420.9 Domestic cooking appliances.** | **Approve** | **Accept** | No public comments received. | Delete the reference to I-1 and replace with R-2.1. | **Approved** |
| SFM 02/22-4-6 | **422.2 Separation.** **432.2 Refuge area.*****422.3.4 Distance of travel.*** | **Further Study** | **Disagree** | No public comments received. | Proposal to amend these sections and add new Section 422.3.4 to maintain the existing requirements for ambulatory care facilities which were classified as I-2.1.**CAC: FS Under Criteria #3, 6.** Recommended to check if the SFM proposed amendment to change “partition” to “barrier” in section 422.2 is more stringent than in NFPA 101. Suggested to include more rationale for SFM amendment in Section 422.3.2. SFM to verify 200 foot travel distance for ambulatory patients and 150 foot for non-ambulatory patients in 422.3.4.**See ISOR for detailed Agency response.** | **Approved** |

### Chapter 5 GENERAL BUILDING HEIGHT AND AREAS

Amend sections and tables as listed below.

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| **Item Number 5** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 02/22-5-1 | **Tables 504.3, 504.4 and 506.2** | **Approve** | **Accept** | No public comments received. | Delete reference to I-2.1 occupancy. | **Approved** |
| SFM 02/22-5-2 | **508.2.4 Separation of occupancies.** | **Approve** | **Accept** | No public comments received. | Delete the reference to I-2.1 and correct item 4, Exception for R-1 sleeping units. | **Approved** |
| SFM 02/22-5-3 | **508.3.3 Separation.Tables 508.4 and 509.1** | **Approve** | **Accept** | No public comments received. | Delete reference to I-2.1 occupancy. | **Approved** |
| SFM 02/22-5-4 | **509.3 Area limitations. *Exception*** | **Further Study** | **Accept** | No public comments received. | Add Exception regarding Group E Laboratories not classified as a Group H.**CAC: FS under Criteria #6.** Recommended to change “fire partition” to “fire barrier”. | **Approved** |

### Chapter 7 FIRE AND SMOKE PROTECTION FEATURES

Amend sections listed below.

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| **Item Number 6** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 02/22-6-1 | **705.5 Fire-resistance ratings.** | **Approve** | **Accept** | No public comments received. | Correct the reference to Table 705.5 which was Table 602 as printed in the 2019 Edition of the CBC. | **Approved** |
| SFM 02/22-6-2 | **708.1, 709.5, 709.5.1, 710.2, 712.1.9, 716.2.2.1, 716.2.6.6 and 717.6.1** | **Approve** | **Accept** | No public comments received. | Delete reference to I-2.1 occupancy. | **Approved** |

**Chapter 7A MATERIALS AND CONSTRUCTION METHODS FOR EXTERIOR WILDFIRE EXPOSURE**

SFM proposes to correct the term Wildland-Urban Interface (WUI) where used in the text to correlate with the definition of WUI and update the reference in sections as listed below to refer to the State Fire Marshal as the agency responsible for designating Fire Severity Zones.

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| **Item Number 7** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 02/22-7-1 | ***701A.1, 701A.2, 701A.3, 701A.3.1*, *702A: FIRE PROTECTION PLAN*** | **Approve as Amended** | **Accept** | No public comments received. | Correct the term Wildland-Urban Interface (WUI) used in the text to correlate with the definition of WUI.**CAC: AA under Criteria #6.** Recommended to add phrase “as specified in Section 701A.3.1” after “Local Responsibility Areas” in Section 701A.2.  | **Approved** |
| SFM 02/22-7-2 | ***705A.1, 705A.2, 705A.2.1, 705A.2.2*** | **Further study** | **Accept** | 45-Day: A. Phillips, Asphalt Roofing Manufacturers Association (ARMA), Section 705A.1, Approve as Amended, Criteria #6. | SFM proposes to amend Section 705A Roofing regarding the roofing provisions for Fire Hazard Severity Zones.**CAC: FS under Criteria #5.** Recommended to delete the proposed amendment to Section 705A.1 regarding “Exceptions 1 through 4 …”. This should be coordinated with amendments in Item 11 Section 1505.2. Associated with SFM 03/22 Part 2.5, Items 3 and 6.**45-Day:** Commenter recommends removing the term “fire retardant” from the final sentence of Section 705A.1.**No changes to ET, see SFM response in FSOR.** | **Approved** |
| SFM 02/22-7-3 | ***707A.5, 707A.6, 707A.7, 707A.8, 710A.2*** | **Approve** | **Accept** | No public comments received. | SFM proposes to amend Section 707A Exterior covering to delete Exceptions for certain architectural building elements.**CAC:** Suggested to consider incorporation of additional language from 2021 International Wildland Urban Interface Code (IWUIC) that address protection of eaves, exterior wall construction and requirements for decks in WUI areas. Associated with SFM 03/22 part 2.5, Item 4-1. | **Approved** |
| SFM 02/22-7-4 | ***711A MODEL ORDINANCE FOR FIRE HAZARD SEVERITY ZONE ADOPTION*** | **Further study** | **Accept** | No public comments received. | Add model ordinance to Chapter 7A as a template for the establishment of documenting fire hazard severity zones as per direction of Government Code Section 51179. **CAC: FS under Criteria #8.** The CAC recommendation is based on SFM request. Associated with SFM 03/22 Part 2.5, Item 5-1 and SFM 07/22 Part 9, Item 13-2.**See ISOR for detailed Agency response.** | **Approved** |

**Chapter 8 WALL AND CEILING FINISHES**

Amend section and table listed below.

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| **Item Number 8** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 02/22-8-1 | **804.4.2 and Table 803.13** | **Approve** | **Accept** | No public comments received. | Delete the reference to I-2.1 and propose an erratum to Table 803.13 Group I-2 footnote o. | **Approved** |

**Chapter 9 FIRE PROTECTION AND LIFE SAFETY SYSTEMS**

Amend sections listed below.

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| **Item Number 9** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 02/22-9-1 | **903.2.1.2, 903.2.1.3, 903.2.3 and 903.2.7** | **Approve** | **Accept** | No public comments received. | Correct an error where the state amended language regarding fire-resistance ratings. | **Approved** |
| SFM 02/22-9-2 | **903.2.8.2 *Reserved.* ~~Group R-4, Condition 1.~~****903.2.8.3 Group R4~~, Condition 2~~.** | **Approve** | **Accept** | No public comments received. | Correct an error for Group R-4. This is an existing amendment to remove the conditions of Group R-4 occupancies. | **Approved** |
| SFM 02/22-9-3 | **903.3.2 Quick-response and residential sprinklers.** | **Approve** | **Accept** | No public comments received. | Delete language that is not needed for I-2 occupancies. | **Approved** |
| SFM 02/22-9-4 | **907.2.6** **Group I.** | **Approve** | **Accept** | No public comments received. | Delete reference to I-1 occupancy. | **Approved** |
| SFM 02/22-9-5 | **907.2.6.2 Group I-2 *~~and Group I-2.1~~*.** | **Approve** | **Accept** | No public comments received. | Delete reference to I-2.1 occupancy. | **Approved** |
| SFM 02/22-9-6 | **907.2.9.3 Group R-2 college and university buildings.** | **Further Study** | **Accept** | No public comments received. | Amend this section to address several identified problems and issues brought to the SFM’s Fire Alarm Advisory committee from the fire alarm industry, authority having jurisdiction and other stakeholders.**CAC: FS under Criteria #6.** Recommended to delete the Exception to #3 and clarify/clean up the language in the last paragraph. Associated with SFM 07/22 Part 9, Item 7-4. | **Approved** |
| SFM 02/22-9-7 | **907.2.13, 907.5.1.1, 907.5.2.2 and 907.5.2.3** | **Approve** | **Accept** | No public comments received. | Delete reference to I-2.1 occupancy. | **Approved** |
| SFM 02/22-9-8 | ***907.3.3.1 Hoistway fire detection*.** | **Approve** | **Accept** | No public comments received. | Add a new subsection to further clarify the need for detection to remain in the hoist way for the activation of recall.**CAC:** Hoistway should be one word in ET text. | **Approved** |
| SFM 02/22-9-9 | **907.5.2.3.1 Public use areas and common use areas.** | **Approve** | **Accept** | No public comments received. | Add more specific clarifying examples where strobes shall be provided.**CAC:** Suggested to consider editorial clean up on capitalization of the term “Normally Occupied Rooms.” | **Approved** |
| SFM 02/22-9-10 | ***907.5.2.5*, 909.5.3 and 909.5.3.1** | **Approve** | **Accept** | No public comments received. | Delete reference to I-2.1 occupancy. | **Approved** |

**Chapter 10** **MEANS OF EGRESS**

Amend sections and tables listed below.

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| **Item Number 10** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 02/22-10-1 | **1003.2, 1003.3, 1003.3.1, *1003.3.3.1*, 1003.5, 1006.2.1, 1008.3.2, 1010.1.1, 1010.1.1.1, 1010.1.2, 1010.2.9 and Tables 1006.2.1, 1006.3.4(2)** | **Approve** | **Accept** | No public comments received. | Delete reference to I-2.1 occupancy. | **Approved** |
| SFM 02/22-10-2 | **1010.2.4 Locks and latches.** | **Approve** | **Accept** | No public comments received. | Delete the reference to I-1 and replace with R-2.1.  | **Approved** |
| SFM 02/22-10-3 | **1010.2.13.1 Delayed egress locking system.** | **Further Study** | **Accept** | No public comments received. | Delete model code language and add a pointer to the existing requirements for automatic sprinklers and fire detection in I-2 occupancies when delayed egress in installed.**CAC: FS under Criteria #6.** Recommended to revise the amendment to clarify the intent. CAC Action associated with SFM 07/22 Part 9, Item 8-2. | **Approved** |
| SFM 02/22-10-4 | **1011.2, 1016.2, 1019.3, 1019.4, 1020.2, 1020.5, *1022.3*, 1026.4.1 and Tables 1017.2, 1020.2** | **Approve** | **Accept** | No public comments received. | Delete the reference to I-2.1 in sections listed. | **Approved** |

**Chapter 15 ROOF ASSEMBLIES AND ROOFTOP STRUCTURES**

Amend and repeal sections listed below.

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| **Item Number 11** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 02/22-11-1 | **1505.1, *~~1505.1.1~~, ~~1505.1.3~~1505.1.1, 1505.1.2,* 1505.2, 1505.5 and 1505.6** | **Further Study** | **Accept** | 45-Day: A. Phillips, ARMA, Section 1505.5,Approve as Amended, Criteria #6. | Amend and renumber Section 1505 Fire Classification subsections regarding the roofing provisions for Fire Hazard Severity Zones.**CAC: FS under Criteria #6.** Recommended to delete the proposed amendment to Section 1505.2 regarding “Exceptions 1 through 4 …”. This should be coordinated with amendments in Item 7-2. Recommended to replace the term “roof covering assembly” with “roof assembly” in Section 1505.5 to be consistent in the use of terminology. Associated with SFM 03/22 Part 2.5, Items 3 and 6.**45-Day:**  Recommended to replace the term “roof covering assembly” with “roof assembly” in Section 1505.5.**No changes to ET, see SFM response in FSOR.** | **Approved** |

**Chapter 30 ELEVATORS AND CONVENING SYSTEMS**

Amend section listed below.

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| **Item Number 12** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 02/22-12-1 | **3008.1.4 Operation.**  | **Further Study** | **Disagree** | No public comments received. | Delete the reference to ASME A17.1/CSA B44-19 and refer to the California Code of Regulations, Title 8 which governs the provisions applicable to elevators.**CAC: FS under Criteria #1,6.** Recommended to study whether to withdraw the amendment to this section and leave the reference to ASME A17.1/CSA B44. | **Approved** |

**Chapter 35 referenced standards**

Adopt and amend referenced standards listed below.

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| **Item Number 13** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 02/22-13-1 | **ASME****A17.1—2019/CSA B44—19:****A17.1~~—2019~~/CSA B44:** | **Further Study** | **Disagree** | No public comments received. | Adopt the model code text for ASME A17.1-2019/CSA B44-19. This will make clear to code users that for certain sections of the code the latest edition is adopted. The California amendment referring to the edition as referenced in Title 8 is applied to those code sections that are applicable to elevators.**CAC: FS under Criteria #1, 6.** Recommended to further discuss with DSA if the proposed change is necessary.**See ISOR for detailed Agency response.** | **Approved** |
| SFM 02/22-13-2 | **ASME****E108—~~2017~~ *2020a*:** | **Approve** | **Accept** | No public comments received. | Adopt the latest edition of ASTM E108. | **Approved** |
| SFM 02/22-13-3 | **IFGC—21: International Fuel Gas Code** | **Further Study** | **Withdraw** |  | Adopt the International Fuel Gas Code (IFGC).**CAC: FS under Criteria #6**. Recommended to consider adding amendments containing IFGC language where IFGC is referenced instead of adopting IFGC. Study if the adoption of IFGC creates conflict with the California Mechanical Code. Associated with SFM 07/22 Part 9, Item 16-3. | **No Action Taken** |
| SFM 02/22-13-4 | **NFPA 13—*22*** | **Approve** | **Accept** | No public comments received. | Make corrections to NFPA 13-22 California amendments that were missed during the Triennial. | **Approved** |
| SFM 02/22-13-5 | **NFPA *24—~~19~~ 22:*****NFPA 409—~~16~~ *22*:** | **Approve** | **Accept** | No public comments received. | Adopt the 2022 edition of NFPA 24 and 409. | **Approved** |
| SFM 02/22-13-6 | **UL 790 *Edition 9* —~~2004~~ *2022*** | **Approve** | **Accept** | No public comments received. | Adopt the 9th edition of UL 790. | **Approved** |

**Sections 310.5, 506.2.1, 1010.2.9 and Table 504.4**

(NEW ITEM ADDED PER SFM ADDENDUM DATED FEBRUARY 28, 2023)

Errata to the 2022 California Building Code.

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| **Item Number 14** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 02/22-14-1 | **310.5 Residential Group R-4.** | **Approve** | **Accept** | No public comments received. | Existing amendment to delete the reference to the conditions from the model code that was missed during codification of the 2022 edition of the CBC.  | **Approved** |
| SFM 02/22-14-2 | **TABLE 504.4** | **Approve** | **Accept** | No public comments received. | The proposed errata is an existing California amendment from the 2006 Triennial rulemaking cycle that was accidentally missed during codification of the 2022 edition of the CBC. | **Approved** |
| SFM 02/22-14-3 | **506.2.1 Single-occupancy buildings.** | **Approve** | **Accept** | No public comments received. | The model code change was missed in the existing California amendment for the Sa formula of Section 506.2.1 Single-occupancy buildings. | **Approved** |
| SFM 02/22-14-4 | **1010.2.9 Panic and fire exit hardware.** | **Approve** | **Accept** | No public comments received. | The comma between the word ‘occupancy’ and ‘assembly’ was missed in the printed and digital copies of the California Building Code. The PDF version is correct. Without the comma the intent appears to change. The errata is to correct the intent and add the comma back in the code text. | **Approved** |