# COMMISSION ACTION MATRIX (REVISED)BUILDING FIRE AND OTHER – STRUCTURAL DESIGN/LATERAL FORCES AD-HOC (BFO/SDLF) CODE ADVISORY COMMITTEE – MARCH 1 AND 2, 2023

## 2022 California fire code, TITLE 24, PART 9 AGENCY: Office of the state fire Marshal, sfm 07/22

### 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**Matrix Paper Color** (for commission action only): GREEN = uncontested items, YELLOW = challenged items, SALMON = withdrawn, no action required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* Repealed model code language appears ~~upright and in strikeout~~
* Repealed California amendments appear in *~~italic and strikeout~~*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, Division I, California Administration

Amend Section 1.11.1 SFM-Office of the State Fire Marshal.

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| **Item Number 1** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 07/22-1-1 | ***Specified state-occupied buildings.*** |  |  |  | Amend the definition of Specified State-Occupied buildings to remove exception and the reference to the University of California (UC). |  |

### Chapter 2 DEFINITIONS, Section 202 GENERAL DEFINITIONS

SFM proposes to amend definitions listed below.

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| **Item Number 2** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 07/22-2-1 | **CARE SUITE** |  |  |  | Delete reference to I-2.1 occupancy. |  |
| SFM 07/22-2-2 | **FLAMMABLE GAS** |  |  |  | Amend defined term for flammable gas to include Category 1A and 1B. |  |
| SFM 07/22-2-3 | **Group B, Business.** |  |  |  | Delete reference to I-2.1 occupancy. |  |
| SFM 07/22-2-4 | **High-Hazard Group H-2.****High-Hazard Group H-3.** |  |  |  | Proposal to amend regulations regarding H2 and H3 occupancies for Flammable Gases and Categories 1A and 1B. |  |
| SFM 07/22-2-5 | **Group I, Institutional.*****~~Institutional Group I.2.1~~*** |  |  |  | Delete reference to I-2.1 occupancy. |  |
| SFM 07/22-2-6 | ***NON-PATIENT-CARE SUITE*** |  |  |  | Delete reference to I-2.1 occupancy. |  |
| SFM 07/22-2-7 | ***PROXIMATE AUDIENCE*** |  |  |  | Delete reference to NFPA 1123, as it is not adopted by the State Fire Marshal. |  |
| SFM 07/22-2-8 | **Lodging houses.** |  |  |  | Correct reference from Section P2904 to R313 of the California Residential code (CRC). |  |

### Chapter 4 EMERGENCY PLANNING AND PREPAREDNESS

Amend sections listed below.

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| **Item Number 3** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 07/22-3-1 | **405.2, 405.5** |  |  |  | Delete the reference to I-1 and replace with R-2.1. |  |

### Chapter 5 FIRE SERVICE FEATURES

Amend sections listed below.

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| **Item Number 4** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 07/22-4-1 | **510.4.2, 510.5** |  |  |  | Replace the discontinued publication of NFPA 1221 with the newest publication for Emergency Radio Response Communication Systems NFPA 1225-22 edition. |  |

### Chapter 6 BUILDING AND SAFETY SERVICES

Amend sections listed below.

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| **Item Number 5** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 07/22-5-1 | **605.4 Fuel oil storage systems.** |  |  |  | Amendment to identify that the installation of fuel oil storage and piping systems connected to combustion engines and gas turbines are included within the scope of Section 605.4 |  |
| SFM 07/22-5-2 | **605.4.1 Fuel oil storage in outside, above-ground tanks.** |  |  |  | Amendment to provide direction to the appropriate requirements for the installation of above-ground tanks connected to building heating systems or combustion engines and gas turbines. |  |
| SFM 07/22-5-3 | **605.4.2.3 Restricted use and connection** |  |  |  | Amendment to provide direction to the appropriate requirements for the installation of above-ground tank fuel oil connections to building heating systems and generators or fire pumps. |  |
| SFM 07/22-5-4 | **605.4.2.5 Installation.** |  |  |  | Amendment to identify the appropriate standards that regulate the installation of fuel oil storage and piping systems connected to building heating systems, combustion engines and gas turbines included within the scope of Section 605.4.2.5. |  |
| SFM 07/22-5-5 | **605.4.3 Underground storage of fuel oil.** |  |  |  | Amendment to distinguish the requirements for underground tank fuel oil storage for building heating systems from the requirements that apply to combustion engines and gas turbines. |  |

**Chapter 8 INTERIOR FINISHE, DECORATIVE MATERIALS AND FURNISHINGS**

Amend sections listed below.

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| **Item Number 6** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 07/22-6-1 | **Table 803.3, Sections 804.3.3.2, 807.5.3, 807.5.3.3, 807.5.3.4** |  |  |  | Delete references to Group I-2.1. |  |
| SFM 07/22-6-2 | **808.1 Wastebaskets and linen containers …** |  |  |  | Delete the reference to I-1 and replace with R-2.1. |  |

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

Amend sections listed below.

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| **Item Number 7** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 07/22-7-1 | **903.2.1.2, 903.2.1.3, 903.2.3, 903.2.7** |  |  |  | Amendments to correct an error where the state amended language regarding fire-resistance ratings. |  |
| SFM 07/22-7-2 | **903.2.8.3 Group R4, ~~Condition 2.~~** |  |  |  | Correct an error where occurring regarding Occupancy Group R-4.  |  |
| SFM 07/22-7-3 | **903.3.2 Quick-response and residential sprinklers.** |  |  |  | Delete language that is not needed for I-2 occupancies. |  |
| SFM 07/22-7-4 | **907.2.6.2, 907.2.9.3, 907.2.13, 907.5.1.1, 907.5.2.2, 907.5.2.3** |  |  |  | Delete references to Occupancy Group I-2.1. |  |
| SFM 07/22-7-5 | **907.3.3, *907.3.3.1 Hoistway fire detection*.** |  |  |  | Add a new subsection amendment to further clarify the need for detection to remain in the hoist way for the activation of recall. |  |
| SFM 07/22-7-6 | **907.5.2.3.1 Public use areas and common use areas.** |  |  |  | Add more specific clarifying example where strobes shall be provided. |  |
| SFM 07/22-7-7 | ***907.5.2.5,* 909.5.3, 909.5.3.1** |  |  |  | Delete references to Group I-2.1. |  |
| SFM 07/22-7-8 | **Table 911.1 Explosion Control Requirements** |  |  |  | Amend this table to coordinate the requirements for flammable gas. |  |

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

Amend sections listed below.

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| **Item Number 8** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 07/22-8-1 | **1003.2, 1003.3, 1003.3.1, *1003.3.3.1*, 1003.5, 1006.2.1, Table 1006.2.1, Table 1006.3.4(2), 1008.3.2, 1010.1.1, 1010.1.1.1, 1010.1.2, 1010.2.9, 1011.2, 1016.2, Table 1017.2, 1019.3, 1019.4, 1020.2, Table 1020.2, 1020.5, *1022.3,* 1026.4.1** |  |  |  | Delete references to I-2.1 occupancies and amend to address different issues described in the ISOR. |  |
| SFM 07/22-8-2 | **1010.2.13.1 Delayed egress locking system.** |  |  |  | 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. |  |

**Chapter 11 CONSTRUCTION REEQUIREMENTS FOR EXISTING BUILDINGS**

Amend existing and add new sections as listed below.

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| **Item Number 9** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 07/22-9-1 | **1103.9 Carbon monoxide detection.** |  |  |  | Delete reference to I-1. |  |
| SFM 07/22-9-2 | **1103.7.3 Group I-2 *~~and Group I-2.1~~*~~.~~,*****1103.7.3.1*** |  |  |  | Delete reference to I-2.1. |  |
| SFM 07/22-9-3 | ***1105.12 Group I-2 separations between construction areas.******1105.12.1 Minor work*** |  |  |  | Add new amendments to address Group I-2 separation requirements between construction areas. |  |

**Chapter 12 ENERGY SYSTEMS**

Amend existing and add new sections as listed below.

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| **Item Number 10** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 07/22-10-1 | ***1203.1.3.1 Combustion engines and gas turbines.***  |  |  |  | New amendment to coordinate with CBC Section 442. |  |
| SFM 07/22-10-2 | **1207.11.4, *Table* *1207.11.4 MAXIMUM AGGREGATE RATINGS OF ESS*** |  |  |  | Amendment to provide clarity for the maximum threshold of kWh of ESS for each location on a property. |  |

**Chapter 27 SEMICONDUCTOR FABRICATION FACILITIES**

Adopt International Fire Code Chapter 27.

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| **Item Number 11** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 07/22-11-1 | **CHAPTER 27** |  |  |  | Adopt Chapter 27. |  |

**Chapter 33 FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION**

Amend existing and add new sections as listed below.

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| **Item Number 12** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 07/22-12-1 | ***3305.9.1 Group I-2 separations.*** |  |  |  | New amendment to provide a reference to a new SFM proposed amendment containing requirements for construction separations in existing Group I-2 occupancies regardless of type of construction. |  |
| SFM 07/22-12-2 | **3307.2.1 Pipe cleaning and purging. *Exception #4.*** |  |  |  | Add new Exception regarding cleaning and purging of refrigerant piping systems. |  |

**Chapter 49 REQUIREMENTS FOR WILDLAND-URBAN INTERFACE AREAS**

Amend existing and add new sections as listed below.

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| **Item Number 13** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 07/22-13-1 | ***Chapter 49 Title, 4901.1, 4902, 4904.1, 4904.2, 4904.3, 4904.3.1, 4904.3.2, 4905.3*** |  |  |  | Correct the term Wildland-Urban Interface (WUI) used in the text to correlate with the definition of WUI. Update the reference to the State Fire Marshal as the agency responsible for designating Fire Severity Zones. |  |
| SFM 07/22-13-2 | ***Section 4911*** ***MODEL ORDINANCE FOR FIRE HAZARD SEVERITY ZONE ADOPTION***  |  |  |  | Add model ordinance to Chapter 49 as a template for the establishment of documenting fire hazard severity zones as per direction of Government Code Section 51179.  |  |

**Chapter 50 HAZARDOUS MATERIALS—GENERAL PROVISIONS**

Amend existing and add new sections as listed below.

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| **Item Number 14** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 07/22-14-1 | **5003.1.1 *Exception.*** |  |  |  | Amendment to provide a compliance path between the California Fire Code and NFPA 99 regarding medical gases stored and used for patient care. |  |
| SFM 07/22-14-2 | **Table 5003.1.1 (1), Table 5003.1.1 (3), 5003.8.3.5, *5003.8.3.5.4 Flammable gas*, 5003.11, 5003.11.1, ~~5003.11.2~~,** **~~5003.11.3~~ *5003.11.1.1,*****~~5003.11.3.1~~ *5003.11.1.1.1,*****~~5003.11.3.2~~ *5003.11.1.1.2,*****~~5003.11.3.3~~ *5003.11.1.1.3,*****~~5003.11.3.4~~ *5003.11.1.1.4,*****~~5003.11.3.5~~ *5003.11.1.1.5,*****~~5003.11.3.6~~ *5003.11.1.1.6,*****~~5003.11.3.7~~ *5003.11.1.1.7,*****~~5003.11.3.8~~ *5003.11.1.1.8,*****~~5003.11.3.9~~ *5003.11.1.1.9,*****~~5003.11.3.10~~ *5003.11.1.1.10,*****~~5003.11.3.11~~ *5003.11.1.1.11,******5003.11.2, TABLE 5003.11.2, 5003.11.2.1*** |  |  |  | This proposal for amendments and renumbering in these sections coordinates with the change in the definition of flammable gas and to correlate with similar amendments and renumbering in SFM’s Part 2 proposal. |  |

**Chapter 57 FLAMMABLE AND COMBUSTIBLE LIQUIDS**

Amend section listed below.

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| **Item Number 15** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 07/22-15-1 | **5704.2 Tank storage.** |  |  |  | Proposal for two Exceptions regarding compliance with Section 605.4 and Section 605.4.2. |  |

**Chapter 80 REFERENCED STANDARDS**

Adopt and amend referenced standards listed below.

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| **Item Number 16** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 07/22-16-1 | **ASHRAE 15-~~2019~~ *2022*** |  |  |  | Adopt the 2022 Edition of ASHRAE 15. |  |
| SFM 07/22-16-2 | **ASTM E108—~~17~~ *2020a*** |  |  |  | Adopt the latest edition of ASTM E108. |  |
| SFM 07/22-16-3 | **IFGC—21: International Fuel Gas Code** |  |  |  | Adopt the International Fuel Gas Code (IFGC). |  |
| SFM 07/22-16-4 | **NFPA 13—*22*** |  |  |  | Corrections to NFPA 13-22 California amendments that were missed during the Triennial. |  |
| SFM 07/22-16-5 | **NFPA 24—~~19~~ 22****NFPA 409—~~16~~ *22*****NFPA 495—18****NFPA 1124—17****~~NFPA 1221—19~~*****NFPA 1225—22*** |  |  |  | Adopt the 2022 edition of NFPA 24 and 409, Adopt NFPA 495, repeal the California amendment to NFPA 1124-17 edition, replace NFPA 1221 with the newest edition of 1225-22. |  |
| SFM 07/22-16-6 | **UL 790 *Edition 9* —~~2004~~ *2022*** |  |  |  | SFM proposes to adopt the 9th edition of UL 790. |  |

**ERRATA**

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

Errata to the 2022 California Fire Code.

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| **Item Number 17** | **Code Section** | **CACAction** | **Agency Response** | **Public Comments** | **Annotations** | **CBSCAction** |
| SFM 02/22-17-1 | **805.2.1.2 Heat release rate.** **805.4.1.2 Heat release rate.** |  |  |  | TB 133 has been repealed by California’s Bureau of Electronic and Appliance Repair, Home Furnishings and Thermal Insulation, effective January 22, 2019. |  |
| SFM 02/22-17-2 | **903.2.8.3 Group R-4~~, Condition 2~~.** |  |  |  | Group R-4 in California is not divided into condition 1 and 2. This is an existing amendment to delete the reference to the conditions from the model code. |  |
| SFM 02/22-17-3 | **California Technical Bulletin ~~133—1991: Flammability Test Procedure for Seating Furniture for Use in Public Occupancies~~ *116: Requirements, test procedure and apparatus for testing of the flame retardance of upholstered furniture and 117: Requirements, Test Procedure and Apparatus for Testing the Smolder Resistance of Materials Used in Upholstered Furniture.*** |  |  |  | TB 133 has been repealed by California’s Bureau of Electronic and Appliance Repair, Home Furnishings and Thermal Insulation, effective January 22, 2019. |  |
| SFM 02/22-17-4 | **22—18: Standard for Water Tanks for Private Fire Protection** |  |  |  | The NFPA 22 standard was missed in the printing of the 2022 California Building Standards Code, Part 9. This proposed erratum is to correct that error. |  |