

**INITIAL EXPRESS TERMS
FOR PROPOSED BUILDING STANDARDS
OF THE STATE FIRE MARSHAL
REGARDING THE 2022 CALIFORNIA ELECTRICAL CODE,
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 3
(SFM 01/20)**

The State agency shall draft the regulations in plain, straightforward language, avoiding technical terms as much as possible and using a coherent and easily readable style. The agency shall draft the regulation in plain English. A notation shall follow the express terms of each regulation listing the specific statutes authorizing the adoption and listing specific statutes being implemented, interpreted, or made specific (Government Code Section 11346.2(a)(1)).

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

LEGEND for EXPRESS TERMS (Based on model codes - Parts 2, 2.5, 3, 4, 5, 9, 10)

- 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- Repealed model code language appears upright and in ~~strikeout~~
- Repealed California amendments appear in ~~*italic and strikeout*~~
- Ellipsis (...) indicate existing text remains unchanged

The Office of the State Fire Marshal (SFM) proposes to adopt the 2020 edition of the National Electrical Code (NEC) into the 2022 edition of the California Electrical Code (CEC). SFM further proposes to:

Repeal the adoption by reference of the 2017 National Electrical Code and incorporate and adopt by reference in its place the 2020 National Electrical Code for application and effectiveness in the 2022 California Electrical Code.

Repeal certain amendments to the 2017 National Electrical Code and/or California Building Standards not addressed by the model code that are no longer necessary.

Adopt new building standards or necessary amendments to the 2020 National Electrical Code that address inadequacies of the 2020 National Electrical Code as they pertain to California laws.

Bring forward previously existing California building standards or amendments, which represent no change in their effect from the 2019 California Building Standards Code.

Codify non-substantive editorial and formatting amendments from the format based upon the 2017 National Electrical Code to the format of the 2020 National Electrical Code.

INITIAL EXPRESS TERMS

ARTICLE 89 **General Code Provisions**

Item SFM 01/20-89-1

Article 89, General Code Provisions, Section 89.101, General

[The SFM is proposing to maintain the adoption of those existing California provisions contained in Sections 89.101 through 89.101.12 with modification.]

89.101.1 Title. *These regulations shall be known as the California Electrical Code, may be cited as such and will be referred to herein as “this code.” The California Electrical Code is Part 3 of thirteen parts of the official compilation and publication of the adoption, amendment, and repeal of electrical regulations to the California Code of Regulations, Title 24, also referred to as the California Building Standards Code. This part incorporates by adoption the ~~2017~~2020 National Electrical Code of the National Fire Protection Association with necessary California amendments.*

Item SFM 01/20-89-2

Article 89, General Code Provisions, Section 89.111.4.4, Fire Clearance Preinspection

89.111.4.4 Fire Clearance Preinspection. *Pursuant to Health and Safety Code Section 13235, Fire Clearance Preinspection, fee, upon receipt of a request from a prospective licensee of a community care facility, as defined in Section 1502, of a residential care facility for the elderly, as defined in Section 1569.2, or of a child day care facility, as defined in Section 1596.750, the local fire enforcing agency, as defined in Section 13244, or State Fire Marshal, whichever has primary jurisdiction, shall conduct a preinspection of the facility prior to the final fire clearance approval. At the time of the preinspection, the primary fire enforcing agency shall price consultation and interpretation of the fire safety regulations and shall notify the prospective licensee of the facility in writing of the specific fire safety regulations which shall be enforced in order to obtain fire clearance approval. A fee equal to, but not exceeding, the actual cost of the of the preinspection services not more than \$50.00 may be charged for the preinspection of a facility, ~~with a capacity to serve 25 or fewer persons. A fee of not more than \$100.00 may be charged for a preinspection of a facility with a capacity to serve 26 or more persons.~~*

Item SFM 01/20-89-3

Article 89, General Code Provisions, Section 89.111.4.5 Care Facilities

89.111.4.5 Care Facilities. *The primary fire enforcing agency shall complete the final*

fire clearance inspection for a community care facility, residential care facility for the elderly, or child day care facility within 30 days of receipt of the request for the final inspection, or as of the date the prospective facility requests the final precicensure inspection by the State Department of Social Services, whichever is later.

Pursuant to Health and Safety Code Section 13235, a preinspection fee equal to, but not exceeding, the actual cost of the of the preinspection services of not more than \$50.00 may be charged for the preinspection of a facility, with a capacity to serve 25 or less clients. A fee of not more than \$100.00 may be charged for a preinspection of a facility with a capacity to serve 26 or more clients.

Pursuant to Health and Safety Code Section 13131.5, a reasonable final inspection fee, not to exceed the actual cost of inspection services necessary to complete a final inspection may be charged for occupancies classified as residential-care facilities for the elderly (RCFE).

Pursuant to Health and Safety Code Section 1569.84, neither the State Fire Marshal nor any local public entity shall charge any fee for enforcing fire inspection regulations pursuant to state law or regulation or local ordinance, with respect to residential-care facilities for the elderly (RCFE) which service six or fewer persons.

Item SFM 01/20-89-4

Article 89, General Code Provisions, Section 89.111.6 Certificate of Occupancy

89.111.6 Certificate of Occupancy. *A Certificate of Occupancy shall be issued as specified in Title 24, Part 2, California Building Code, Section 111.*

Exception: Group R, Division 3 and Group U occupancies. Certificates of occupancy are not required for work exempt from permits in accordance with Section 105.2 of the California Building Code.

Item SFM 01/20-89-5

Article 89, General Code Provisions, Section 89.111.7 Temporary Structures and Uses

89.111.7 Temporary Structures and Uses. *See Title 24, Part 2, California Building Code, Section 1078.*

Notation:

Authority: Health and Safety Code Sections 13108, 13143, 17921, 18949.2

Reference(s): Health and Safety Code Sections 13143, 18949.2

ARTICLE 90 INTRODUCTION

Item SFM 01/20-90-1
Article 90, Introduction

[The SFM is proposing to maintain the adoption of Article 90.]

Notation:

Authority: Health and Safety Code Sections 1250, 1569.72, 1569.78, 1568.02, 1502, 1597.44, 1597.65, 13108, 13143, 17921, 18949.2

References: Health and Safety Code Sections 13143, 18949.2

Chapter 1 General
ARTICLES 100-110

Item SFM 01/20-1-1
Chapter 1, General, Article 100-110

[The SFM is proposing to maintain the existing SFM amendment of Articles 100 and 110 with amendment.]

Notation:

Authority: Health and Safety Code Sections 1250, 1569.72, 1569.78, 1568.02, 1502, 1597.44, 1597.65, 13108, 13143, 17921, 18949.2

References: Health and Safety Code Sections 13143, 18949.2

Chapter 2 Wiring and Protection
ARTICLES 200-285

Item SFM 01/20-2-1
Chapter 2, Wiring and Protection, Article 200-285

[The SFM is proposing the adoption by reference Articles 200, 210, 215, 220, 225, 230, 240, 250, 280, and 285 without amendment.]

Item SFM 01/20-2-2
Chapter 2, Wiring and Protection, Article 225, Outside Branch Circuits and Feeders, Section 225.30

[Correct the references in 225.30 as errata to read as follows]

225.30 Number of Supplies. A building or other structure that is served by a branch circuit or feeder on the load side of a service disconnecting means shall be supplied by only one feeder or branch circuit unless permitted in 225.30(A) through (E). For the purpose of this section, a multiwire branch circuit shall be considered a single circuit.

Where a branch circuit or feeder originates in these additional buildings or other structures, only one feeder or branch circuit shall be permitted to supply power back to the original building or structure, unless permitted in 225.30(A) through (E).

Notation:

Authority: Health and Safety Code Sections 1250, 1569.72, 1569.78, 1568.02, 1502, 1597.44, 1597.65, 13108, 13143, 17921, 18949.2

References: Health and Safety Code Sections 13143, 18949.2

Chapter 3 Wiring Methods and Materials ARTICLES 300-399

Item SFM 01/20-3-1

Chapter 3, Wiring Methods and Materials, Article 300-399

[The SFM is proposing the adoption by reference Articles 300, 310, 312, 314, 320, 322, 324, 326, 328, 330, 332, 334, 336, 338, 340, 342, 344, 348, 350, 352, 353, 354, 355, 356, 358, 360, 362, 366, 368, 370, 372, 374, 376, 378, 380, 382, 384, 386, 388, 390, 392, 393, 394, 396, 398, and 399 with amendment.]

Notation:

Authority: Health and Safety Code Sections 1250, 1569.72, 1569.78, 1568.02, 1502, 1597.44, 1597.65, 13108, 13143, 17921, 18949.2

References: Health and Safety Code Sections 13143, 18949.2

Chapter 4 Equipment for General Use ARTICLES 400-490

Item SFM 01/20-4-1

Chapter 4, Equipment for General Use, Article 400-490

[The SFM is proposing the adoption by reference Articles 400, 402, 404, 406, 408, 409, 410, 411, 422, 424, 425, 426, 427, 430, 440, 445, 450, 455, 460, 470, 480, and 490 without amendment.]

Notation:

Authority: Health and Safety Code Sections 1250, 1569.72, 1569.78, 1568.02, 1502, 1597.44, 1597.65, 13108, 13143, 17921, 18949.2

References: Health and Safety Code Sections 13143, 18949.2

Chapter 5 Special Occupancies ARTICLES 500-590

Item SFM 01/20-5-1

Chapter 5, Special Occupancies, Article 500-590

[The SFM is proposing the adoption by reference Articles 500, 501, 502, 503, 504,

505, 506, 510, 511, 513, 514, 515, 516, 518, 520, 522, 525, 530, 540, 545, 547, 553, and 555 without amendment.]

Item SFM 01/20-5-2

Chapter 5, Special Occupancies, Article 517 HealthCare Facilities

[The SFM is proposing the adoption by reference of the entire Article 517 (OSHPD amendment) as amended.]

Item SFM 01/20-5-3

Chapter 5, Special Occupancies, Article 590 HealthCare Facilities, Section 590.3(C), Emergencies and Tests

[The SFM is proposing the adoption by reference of the entire Article 590 (except Section 590.3(C)) as amended.]

Item SFM 01/20-5-4

Chapter 5, Special Occupancies, Article 590 HealthCare Facilities, Section 590.3(C), Emergencies and Tests

[The SFM is proposing to maintain the existing OSFM amendment of Section 590.3(C) without modification.]

Notation:

Authority: Health and Safety Code Sections 1250, 1569.72, 1569.78, 1568.02, 1502, 1597.44, 1597.65, 13108, 13143, 17921, 18949.2

References: Health and Safety Code Sections 13143, 18949.2

**Chapter 6 Special Equipment
ARTICLES 600-695**

Item SFM 01/20-6-1

Chapter 6, Special Equipment, Article 600-695

[The SFM is proposing the adoption by reference Articles 600, 604, 605, 610, 620, 626, 630, 640, 645, 646, 647, 650, 660, 665, 668, 669, 670, 675, 680, 682, 685, 690, 691, 692, 694, and 695 without amendment.]

Item SFM 01/20-6-2

Chapter 6, Special Equipment, Article 625 Electric Vehicle Power Transfer System, Section 625.52 (B)

[The SFM is proposing the adoption by reference of the entire Article 625 (except Section 625.52 (B))]

Item SFM 01/20-6-3

Chapter 6, Special Equipment, Article 625 Electric Vehicle Power Transfer System, Section 625.52 (C)

[The SFM is proposing to maintain the existing SFM amendment of Section 625.52(C) without modification.]

625.52 (C) Ventilation Required. [OSFM] *Where the electric vehicle supply equipment listed or labeled as suitable for charging electric vehicles that require ventilation for indoor charging and marked in accordance with Section 625.15(C), mechanical ventilation, such as fans, shall be provided as specified in the California Building Code.*

Notation:

Authority: Health and Safety Code Sections 1250, 1569.72, 1569.78, 1568.02, 1502, 1597.44, 1597.65, 13108, 13143, 17921, 18949.2

References: Health and Safety Code Sections 13143, 18949.2

Chapter 7 Special Conditions
ARTICLES 700-770

Item SFM 01/20-7-1

Chapter 7, Special Conditions, Article 700 Emergency Systems

[The SFM is proposing the maintain the adoption by reference of the entire Article 700 with existing amendments.]

Item SFM 01/20-7-2

Chapter 7, Special Conditions, Article 700, Section 700.12 (B) Generator Set (2) Internal Combustion Engines as Prime Movers.

[The SFM is proposing to maintain the existing OSFM amendment of Section 700.12(B)(2) without modification.]

Item SFM 01/20-7-3

Chapter 7, Special Conditions, Article 700, Section 700.16 (B) System Reliability

[Correct the reference in 700.16(B) as errata to read as follows]

700.16(B) System Reliability. Emergency lighting systems shall be designed and installed so that the failure of any illumination source cannot leave in total darkness any space that requires emergency illumination. Control devices in the emergency lighting system shall be listed for use in emergency systems. Listed unit equipment in

accordance with 700.12(F) (I) shall be considered as meeting the provisions of this section.

Item SFM 01/20-7-4

Chapter 7, Special Conditions, Article 701-750

[The SFM is proposing the adoption by reference Articles 701, 702, 705, 708, 710, 712, 720, 725, 727, 728, 750 with amendment.]

Item SFM 01/20-7-5

Chapter 7, Special Conditions, Article 725 Class 1, Class 2, and Class 3 Remote-Control, Signaling, and Power-Limited Circuits

[Revise 725.121(C) to read as follows:]

725.121(C) Marking. The power sources for limited power circuits in 725.121(A)(3), limited power circuits for listed audio/video equipment, listed information technology equipment, listed communications equipment, and listed industrial equipment in 725.121(A)(4) shall have a label indicating the maximum voltage and maximum current or maximum voltage and nominal current output per conductor for each connection point on the power source. Where multiple connection points have the same rating, a single label shall be permitted to be used. For equipment with a rated current per conductor less than 0.3 amperes, the effective date shall be January 1, 2021.

Item SFM 01/20-7-6

Chapter 7, Special Conditions, Article 760, Sections 760.1.1, 760.176(F) and 760.179(G)

[The SFM is proposing to maintain the existing OSFM amendment of Sections 760.1.1, 760.176(F) and 760.179(G) without modification.]

Item SFM 01/20-7-7

Chapter 7, Special Conditions, Article 770

[The SFM is proposing the adoption by reference Article 770 without amendment.]

Notation:

Authority: Health and Safety Code Sections 1250, 1569.72, 1569.78, 1568.02, 1502, 1597.44, 1597.65, 13108, 13143, 17921, 18949.2

References: Health and Safety Code Sections 13143, 18949.2

**Chapter 8 Communications Systems
ARTICLES 800-840**

Item SFM 01/20-8-1

Chapter 8, Communication Systems, Article 800-840

[The SFM is proposing the adoption by reference Articles 800, 810, 820, 830, and 840 without amendment.]

Notation:

Authority: Health and Safety Code Sections 1250, 1569.72, 1569.78, 1568.02, 1502, 1597.44, 1597.65, 13108, 13143, 17921, 18949.2

References: Health and Safety Code Sections 13143, 18949.2

Chapter 9
Tables

Item SFM 01/20-9-1

Chapter 9, Tables, Tables 1-12

[The SFM is proposing the adoption by reference Tables 1-12 without amendment.]

Notation:

Authority: Health and Safety Code Sections 1250, 1569.72, 1569.78, 1568.02, 1502, 1597.44, 1597.65, 13108, 13143, 17921, 18949.2

References: Health and Safety Code Sections 13143, 18949.2

Annex

Item SFM 01/20-A-1

Chapter Annex, Annex A-B

[The SFM is proposing the adoption by reference Annex A and Annex B without amendment.]

Notation:

Authority: Health and Safety Code Sections 1250, 1569.72, 1569.78, 1568.02, 1502, 1597.44, 1597.65, 13108, 13143, 17921, 18949.2

References: Health and Safety Code Sections 13143, 18949.2