

**INITIAL STATEMENT OF REASONS
FOR PROPOSED BUILDING STANDARDS
OF THE STATEWIDE HEALTH PLANNING AND DEVELOPMENT
REGARDING THE 2022 CALIFORNIA ELECTRICAL CODE
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 3**

(OSHPD 01/20)

The Administrative Procedure Act (APA) requires that an Initial Statement of Reasons be available to the public upon request when rulemaking action is being undertaken. The following information required by the APA pertains to this particular rulemaking action:

STATEMENT OF SPECIFIC PURPOSE, PROBLEM, RATIONALE and BENEFITS

Government Code Section 11346.2(b)(1) requires a statement of specific purpose of each adoption, amendment, or repeal and the problem the agency intends to address and the rationale for the determination by the agency that each adoption, amendment, or repeal is reasonably necessary to carry out the purpose and address the problem for which it is proposed. The statement shall enumerate the benefits anticipated from the regulatory action, including the benefits or goals provided in the authorizing statute.

Item 1

CALIFORNIA ARTICLE 89 GENERAL CODE PROVISIONS

Carry forward Article 89 of the 2019 California Electrical Code (CEC) for OSHPD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 2

ARTICLE 90 Introduction

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSHPD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 3
Chapter 1 General
ARTICLE 100 Definitions

Adopt entire 2020 National Electric Code (NEC) Article, carry forward existing amendment of the 2019 California Electrical Code (CEC) for OSHPD 1, 2, 3, 4 & 5, and make the following amendment:

OSHPD proposes to amend the OSHPD amendment for “Coordination, Selective” definition in Article 100. The first change separates the OSHPD coordination definition from the model code definition. This change is necessary because the model code revised the definition for selective coordination to include the electrical system’s full range of overcurrent from overload to the available fault current. This definition for selective coordination is not applicable for health facilities. The overcurrent protection devices that comprise the health facilities’ essential electrical systems are required to coordinate for the period of time that a fault’s duration extends beyond 0.1 seconds according to Section 517.31(G). Health facilities essential electrical system overcurrent protective devices are not required to coordinate for times less than 0.1 seconds.

The second change to the OSHPD amendment adds OSHPD 5 to the OSHPD banner. This change clarifies that acute psychiatric hospital buildings (OSHPD 5) essential electrical systems, like other health facilities buildings, are allowed to meet the less restrictive overcurrent protective device coordination requirements in Section 517.31(G) instead of the full range selective coordination requirements in Section 700.32.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 4 – Not Used

Item 5
Chapter 1 General
ARTICLE 110 Requirements for Electrical Installations

Adopt entire 2020 National Electric Code (NEC) Article and make the following OSHPD amendments for OSHPD 1, 1R, 2, 3, 4 & 5 in Items 5 and 6.

Section 110.2

OSHPD proposes to add OSHPD amendment to Section 110.2 for the purpose of defining requirements that must be satisfied in order for equipment to be approved by OSHPD for use. OSHPD will require equipment to be listed, labeled, or certified by a National Recognized Testing Laboratory (NRTL) recognized by OSHA as described in information note in Section 110.3(C). OSHPD will require equipment requiring field evaluation to be performed by a Field Evaluation Body (FEB) accredited by International Accreditation Services (IAS). OSHPD will require equipment to have special seismic certification as required in Sections 1705.13.3 and 1705A.13.3 of California Building Code.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 6

Chapter 1 General

ARTICLE 110 Requirements for Electrical Installations

Section 110.26(C)(3)

OSHPD proposes to add OSHPD amendment to Section 110.26(C)(3) to reference California Building Code (CBC), Section 1010.1.10. Section 110.26(C)(3) requires working space with equipment rated 800 amperes or more to have personnel door(s) opening in the direction of egress and be equipped with listed panic hardware or listed fire exit hardware if the door is less than 25 feet from the equipment working space. CBC Section 1010.1.10 requires electrical rooms with equipment rated 800 amperes or more and equipment over 6 feet wide to have exit doors to swing in the direction of travel and be equipped with panic hardware or fire exit hardware. These two requirements are very similar, but CBC Section 1010.1.10 requires an outward swinging door anytime an electrical room has large electrical equipment rated 800 amperes or more. CBC Section 1010.1.10 also contains additional requirements for the door hardware itself. This OSHPD amendment will inform electrical system designers of these additional requirements located in the CBC Section 1010.1.10.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 7

Chapter 2 Wiring and Protection

ARTICLE 200 Use and Identification of Grounded Conductors

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSHPD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 8
Chapter 2 Wiring and Protection
ARTICLE 210 Branch Circuits

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 9
Chapter 2 Wiring and Protection
ARTICLE 215 Feeders

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 10
Chapter 2 Wiring and Protection
ARTICLE 220 Branch-Circuit, Feeder, And Service Load Calculations

Adopt entire 2020 National Electric Code (NEC) Article, carry forward existing amendment of the 2019 California Electrical Code (CEC) for OSHPD 1, and make the following amendment:

Section 220.42

OSHPD proposes to amend the OSHPD amendment in Section 220.42 by changing the phrase “emergency system” to “essential electrical system” to match the terminology used in Article 517 Health Care Facilities.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 11
Chapter 2 Wiring and Protection
ARTICLE 225 Outside Branch Circuits and Feeders

Adopt entire 2020 National Electrical Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 12
Chapter 2 Wiring and Protection
ARTICLE 230 Services

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 13
Chapter 2 Wiring and Protection
ARTICLE 240 Overcurrent Protection

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 14
Chapter 2 Wiring and Protection
ARTICLE 242 Overvoltage Protection

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 15

**Chapter 2 Wiring and Protection
ARTICLE 250 Grounding and Bonding**

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 16

**Chapter 3 Wiring Methods and Materials
ARTICLE 300 General Requirements for Wiring Methods and Materials**

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 17

**Chapter 3 Wiring Methods and Materials
ARTICLE 310 Conductors for General Wiring**

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 18

Chapter 3 Wiring Methods and Materials

ARTICLE 311 Medium Voltage Conductors and Cable

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 19

Chapter 3 Wiring Methods and Materials

ARTICLE 312 Cabinets, Cutout Boxes, and Meter Socket Enclosures

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 20

Chapter 3 Wiring Methods and Materials

ARTICLE 314 Outlet, Device, Pull, and Junction Boxes; Conduit Bodies; Fittings; and Handhole Enclosures

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 21

Chapter 3 Wiring Methods and Materials

ARTICLE 320 Armored Cable: Type AC

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 22

Chapter 3 Wiring Methods and Materials

ARTICLE 322 Flat Cable Assemblies: Type FC

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 23

Chapter 3 Wiring Methods and Materials

ARTICLE 324 Flat Conductor Cable: Type FCC

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 24

Chapter 3 Wiring Methods and Materials

ARTICLE 326 Integrated Gas Spacer Cable: Type IGS

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 25

Chapter 3 Wiring Methods and Materials
ARTICLE 330 Metal-Clad Cable: Type MC

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 26

Chapter 3 Wiring Methods and Materials
ARTICLE 332 Mineral-Insulated, Metal-Sheathed Cable: Type MI

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 27

Chapter 3 Wiring Methods and Materials
ARTICLE 334 Nonmetallic-Sheathed Cable: Types NM_r and NMC

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 28

Chapter 3 Wiring Methods and Materials
ARTICLE 336 Power and Control Tray Cable: Type TC

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 29

Chapter 3 Wiring Methods and Materials

ARTICLE 337 Type P Cable

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 30

Chapter 3 Wiring Methods and Materials

ARTICLE 338 Service-Entrance Cable: Types SE and USE

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 31

Chapter 3 Wiring Methods and Materials

ARTICLE 340 Underground Feeder And Branch-Circuit Cable: Type UF

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 32

Chapter 3 Wiring Methods and Materials

ARTICLE 342 Intermediate Metal Conduit: Type IMC

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 33

Chapter 3 Wiring Methods and Materials

ARTICLE 344 Rigid Metal Conduit: Type RMC

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 34

Chapter 3 Wiring Methods and Materials

ARTICLE 348 Flexible Metal Conduit: Type FMC

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 35

Chapter 3 Wiring Methods and Materials

ARTICLE 350 Liquidtight Flexible Metal Conduit: Type LFMC

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 36

Chapter 3 Wiring Methods and Materials

ARTICLE 352 Rigid Polyvinyl Chloride Conduit: Type PVC

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 37

Chapter 3 Wiring Methods and Materials

ARTICLE 353 High Density Polyethylene Conduit: Type HDPE Conduit

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 38

Chapter 3 Wiring Methods and Materials

ARTICLE 354 Nonmetallic Underground Conduit with Conductors: Type NUCC

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 39

Chapter 3 Wiring Methods and Materials

ARTICLE 355 Reinforced Thermosetting Resin Conduit: Type RTRC

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 40

Chapter 3 Wiring Methods and Materials

ARTICLE 356 Liquidtight Flexible Nonmetallic Conduit: Type LFNC

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 41

Chapter 3 Wiring Methods and Materials

ARTICLE 358 Electrical Metallic Tubing: Type EMT

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 42

Chapter 3 Wiring Methods and Materials

ARTICLE 360 Flexible Metallic Tubing: Type FMT

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 43

Chapter 3 Wiring Methods and Materials

ARTICLE 362 Electrical Nonmetallic Tubing: Type ENT

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 44

Chapter 3 Wiring Methods and Materials

ARTICLE 366 Auxiliary Gutters

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 45

Chapter 3 Wiring Methods and Materials

ARTICLE 368 Busways

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 46
Chapter 3 Wiring Methods and Materials
ARTICLE 370 Cablebus

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 47
Chapter 3 Wiring Methods and Materials
ARTICLE 372 Cellular Concrete Floor Raceways

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 48
Chapter 3 Wiring Methods and Materials
ARTICLE 374 Cellular Metal Floor Raceways

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 49
Chapter 3 Wiring Methods and Materials
ARTICLE 376 Metal Wireways

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 50

**Chapter 3 Wiring Methods and Materials
ARTICLE 378 Nonmetallic Wireways**

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 51

**Chapter 3 Wiring Methods and Materials
ARTICLE 380 Multioutlet Assembly**

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 52

**Chapter 3 Wiring Methods and Materials
ARTICLE 382 Nonmetallic Extensions**

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 53
Chapter 3 Wiring Methods and Materials
ARTICLE 384 Strut-Type Channel Raceway

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 54
Chapter 3 Wiring Methods and Materials
ARTICLE 386 Surface Metal Raceways

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 55
Chapter 3 Wiring Methods and Materials
ARTICLE 388 Surface Nonmetallic Raceways

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 56
Chapter 3 Wiring Methods and Materials
ARTICLE 390 Underfloor Raceways

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 57

Chapter 3 Wiring Methods and Materials

ARTICLE 392 Cable Trays

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 58

Chapter 3 Wiring Methods and Materials

ARTICLE 393 Low-Voltage Suspended Ceiling Power Distribution Systems

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 59

Chapter 3 Wiring Methods and Materials

ARTICLE 394 Concealed Knob-And-Tube Wiring

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 60
Chapter 3 Wiring Methods and Materials
ARTICLE 396 Messenger-Supported Wiring

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 61
Chapter 3 Wiring Methods and Materials
ARTICLE 398 Open Wiring on Insulators

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 62
Chapter 3 Wiring Methods and Materials
ARTICLE 399 Outdoor Overhead Conductors Over 1000 Volts

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 63
Chapter 4 Equipment for General Use
ARTICLE 400 Flexible Cords and Cables

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 64

Chapter 4 Equipment for General Use

ARTICLE 402 Fixture Wires

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 65

Chapter 4 Equipment for General Use

ARTICLE 404 Switches

Adopt entire 2020 National Electric Code (NEC) Article for OSHPD 1R & 3. Adopt entire 2020 National Electric Code (NEC) Article, carry forward existing amendment of the 2019 California Electrical Code (CEC) for OSHPD 1, 2, 4 & 5, and make the following amendment:

Section 404.4(C)

OSHPD proposes to amend OSHPD amendment in Section 404.4(C). The current language restricts the installation of electrical switches within five feet of bathtubs and shower spaces. The revision to this requirement will reduce the restriction distance from five feet to three feet which aligns with the model code language in Section 406.9(C) that restricts the installation of receptacles near bathtubs and shower spaces to three feet horizontally. The reason for the change is to make it easier to have a light switch installed in the patient bathrooms located in patient bedrooms. The existing five feet distance has prevented light switches from being installed inside the patient bathrooms due to the size of the rooms. In these cases, light switches must be mounted outside of the bathroom which is not convenient for the patient and staff. The purpose of the restriction was to prevent the light switches from being operated by a patient while standing in the bathtub or shower spaces. The OSHPD requirement was added to the CEC in 1991 in Section 680(F)(1), and five feet distance was taken from the therapeutic tubs section which required all receptacles within the five feet of a therapeutic tub to have GFCI protection. OSHPD has researched *2018 National Fire Protection Association (NFPA) 101, Life Safety Code; 2018 National Fire Protection Association (NFPA) 99, Healthcare Facilities Code; 2018 Facility Guidelines Institute (FGI), Guidelines for Design and Construction of Hospitals; and Title 22 California Code of Regulations, Division 5*. None of these regulations and guides have any restrictions of switches located in patient bathrooms. OSHPD opinion is 3 feet distance will continue to prevent a patient from activating a light switch from the bathtub or shower spaces while allowing a light switch to be installed in

most patient bathrooms. This change will also allow a light switch in patient bathrooms to meet the manual area controls requirements of the California Energy Code.

OSHPD needs to add two exceptions to the OSHPD amendment. The first exception is required to allow a nurse call system “Bath Station” device to be installed near the toilet as required in CEC Section 517.123(C)(4) which may be located within the 3 feet restriction distance. The second exception is required to allow a nurse call system “Bath Station” device to be installed within the bathtub and shower spaces as required in CEC Section 517.123(C)(4). The nurse call system requirements are modeled on *FGI Guidelines for Design and Construction of Hospitals and NFPA 99* which have the same requirements for these nurse call system devices. These devices are listed per UL 1069 and designed for installation in wet locations.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 66

Chapter 4 Equipment for General Use

ARTICLE 406 Receptacles, Cord Connectors, and Attachment Plugs

Adopt entire 2020 National Electric Code (NEC) Article for OSHPD 1R & 3. Adopt entire 2020 National Electric Code (NEC) Article, repeal existing amendment of the 2019 California Electrical Code (CEC) for OSHPD 1, 2, 4 & 5, and make the following amendment:

Section 406.9(C)

OSHPD proposes to repeal OSHPD Amendment in Section 406.9(C)(1) and add an OSHPD Amendment to Section 406.9(C) due to changes in model code. Section 406.9(C) model code added a requirement restricting the installation of receptacles within three feet horizontally and eight feet vertically from the top of the bathtub rim or shower stall threshold with an exception for small bathrooms where distance restriction cannot be met. Section 517.21, which describes requirements for GFCI protection in general care and critical care spaces, added new language clarifying receptacles may be installed in general care patient bathrooms and toilet rooms as long as GFCI receptacles are used. The OSHPD requirement was added to the CEC in 1991 in Section 680(F)(1), and five feet distance was taken from the therapeutic tubs section which required all receptacles within the five feet of a therapeutic tub to have GFCI protection. OSHPD has researched *2018 National Fire Protection Association (NFPA) 101, Life Safety Code; 2018 National Fire Protection Association (NFPA) 99, Healthcare Facilities Code; 2018 Facility Guidelines Institute (FGI), Guidelines for Design and Construction of Hospitals; and Title 22 California Code of Regulations, Division 5*. None of these regulations and guides have any restrictions of receptacles located in patient bathrooms. Therefore, OSHPD will repeal its existing amendment in Section 406.9(C)(1) restricting the installation of receptacles within five feet of the bathtub or shower stalls in lieu of model code requirements and add an amendment stating that the exception in Section 406.9 is not adopted for OSHPD 1, 2, 4 &

5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 67

Chapter 4 Equipment for General Use

ARTICLE 408 Switchboards, Switchgear, and Panelboards

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 68

Chapter 4 Equipment for General Use

ARTICLE 409 Industrial Control Panels

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 69

Chapter 4 Equipment for General Use

ARTICLE 410 Luminaires, Lampholders, and Lamps

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 70
Chapter 4 Equipment for General Use
ARTICLE 411 Low-Voltage Lighting

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 71
Chapter 4 Equipment for General Use
ARTICLE 422 Appliances

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 72
Chapter 4 Equipment for General Use
ARTICLE 424 Fixed Electric Space-Heating Equipment

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 73
Chapter 4 Equipment for General Use
ARTICLE 425 Fixed Resistance and Electrode Industrial Process Heating Equipment

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 74

Chapter 4 Equipment for General Use

ARTICLE 426 Fixed Outdoor Electric Deicing and Snow-Melting Equipment

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 75

Chapter 4 Equipment for General Use

ARTICLE 427 Fixed Electric Heating Equipment for Pipelines and Vessels

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 76

Chapter 4 Equipment for General Use

ARTICLE 430 Motors, Motor Circuits, and Controllers

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 77

Chapter 4 Equipment for General Use

ARTICLE 440 Air-Conditioning and Refrigerating Equipment

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 78

Chapter 4 Equipment for General Use

ARTICLE 445 Generators

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 79

Chapter 4 Equipment for General Use

ARTICLE 450 Transformers and Transformer Vaults (Including Secondary Ties)

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 80

Chapter 4 Equipment for General Use

ARTICLE 455 Phase Converters

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 81

Chapter 4 Equipment for General Use

ARTICLE 460 Capacitors

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 82

Chapter 4 Equipment for General Use

ARTICLE 470 Resistors and Reactors

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 83

Chapter 4 Equipment for General Use

ARTICLE 480 Storage Batteries

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 84

Chapter 4 Equipment for General Use

ARTICLE 490 Equipment, Over 1000 Volts, Nominal

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 85

Chapter 5 Special Occupancies

ARTICLE 500 Hazardous (Classified) Locations, Classes I, II, and III, Divisions 1 and 2

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 86

Chapter 5 Special Occupancies

ARTICLE 501 Class I Locations

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 87

Chapter 5 Special Occupancies

ARTICLE 502 Class II Locations

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 88

Chapter 5 Special Occupancies

ARTICLE 503 Class III Locations

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 89

Chapter 5 Special Occupancies

ARTICLE 504 Intrinsically Safe Systems

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 90

Chapter 5 Special Occupancies

ARTICLE 505 Zone 0, 1, And 2 Locations

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 91

ARTICLE 506 Zone 20, 21, And 22 Locations for Combustible Dusts or Ignitable Fibers/Flyings

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 92

Chapter 5 Special Occupancies

ARTICLE 510 Hazardous (Classified) Locations – Specific

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 93

Chapter 5 Special Occupancies

ARTICLE 511 Commercial Garages, Repair and Storage

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 94

Chapter 5 Special Occupancies

ARTICLE 513 Aircraft Hangars

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 95

Chapter 5 Special Occupancies

ARTICLE 514 Motor Fuel Dispensing Facilities

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 96

Chapter 5 Special Occupancies

ARTICLE 515 Bulk Storage Plants

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 97

Chapter 5 Special Occupancies

ARTICLE 516 Spray Application, Dipping, Coating, And Printing Processes Using Flammable or Combustible Materials

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 98
Chapter 5 Special Occupancies
ARTICLE 517 Health Care Facilities

Adopt entire 2020 National Electric Code (NEC) Article, carry forward existing amendments of the 2019 California Electrical Code (CEC) for OSHPD 1, 1R, 2, 3, 4 & 5 and make the following amendments in Items 98 - 110:

Section 517.22(B)(2)

OSHPD proposes to amend the OSHPD amendment in 517.22(B)(2) to update the title of ANSI/IESNA RP-28 to *Lighting and the Visual Environment for Senior and the Low Vision Population*.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 99
Chapter 5 Special Occupancies
ARTICLE 517 Health Care Facilities

Section 517.29(A.1)

OSHPD proposes to amend the OSHPD amendment in 517.29(A.1) to revise the essential electrical system requirements for correctional treatment centers (OSHPD 4) and acute psychiatric hospitals (OSHPD 5) which do not have critical care spaces. Critical care spaces (Category 1) are required to be served by a Type 1 essential electrical system according to 517.29(B) and NFPA 99: 6.4.1. General care spaces (Category 2) can be served by either Type 1 or Type 2 essential electrical systems according to NFPA 99:6.5.1. The revision makes it clear that only correctional treatment centers and acute psychiatric hospitals with critical care spaces are required to be served by Type 1 essential electrical systems. Correctional treatment centers and acute psychiatric hospitals without critical care spaces may be served by Type 2 essential electrical systems per 517.40(A.1)

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 100
Chapter 5 Special Occupancies
ARTICLE 517 Health Care Facilities

Sections 517.30(B)(1.1) and 517.30(B)(3)

OSHPD proposes to amend the OSHPD amendment in Section 517.30(B)(1.1) to allow battery systems specified in Section 517.30(B)(3) to be used as an alternate power source.

Model code added battery systems as an acceptable type of alternate power sources for Type 1 essential electrical systems. The revision to the OSHPD amendment is necessary to remain consistent with model code.

OSHPD proposes to amend the OSHPD amendment in Section 517.30(B)(1.1) to add a reference to the 42 CFR 482.15(e) and 42 CFR 483.73(e) for facilities subject to Centers for Medicare and Medicaid Services (CMS). The federal regulations are applicable to facilities participating in Medicare and Medicaid Programs. According to the federal regulation, facilities' emergency and standby power systems must meet the requirements of 2012 NFPA 99 and 2010 NFPA 110 which would require emergency generator(s) to be used as the alternate power source. The new reference in Section 517.30(B)(1.1) will remind electrical design professionals of these federal requirements.

OSHPD proposes to add an OSHPD amendment in Section 517.30(B)(3) to require a connection for a portable diesel generator when a battery system is used as the alternate power source. The language for this requirement has been modeled after a similar requirement found in Section 517.30(B)(2)(5) that requires a connection be provided for a portable diesel generator when a fuel cell system is used as alternate power source. There is also a similar requirement found in Section 700.3(F).

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 101

Chapter 5 Special Occupancies

ARTICLE 517 Health Care Facilities

Section 517.30(C)

OSHPD proposes to amend and relocate the OSHPD amendment in Section 517.30(C). The revision will delete OSHPD 5 (acute psychiatric hospital buildings) from the OSHPD banner because California Building Code, Section 1617A.1.40 applies only to OSHPD 1 (general acute-care hospital buildings) and OSHPD 4 (Correctional Treatment Centers). OSHPD 5 was incorrectly added to the OSHPD banner during the 2018 triennial code adoption cycle.

517.30(C) Location of Essential Electrical System Components model code language has been subdivided during model code revision. Some of the requirements were moved to new subsections; Section 517.30(C)(1) Services and Section 517.30(C)(2) Feeders. The existing OSHPD amendment, which requires emergency and standby generators to be installed at a location higher than the flood level, as described in the California Building Code, need to remain associated with the requirements in 517.30(C) Location of Essential Electrical System Components as shown in the express terms.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 102

Chapter 5 Special Occupancies

ARTICLE 517 Health Care Facilities

Section 517.31(E)

OSHPD proposes to amend the OSHPD amendment in Section 517.31(E) to allow either the Type 1 life safety and critical branch receptacles or their cover plates to have a distinctive color or marking so as to be readily identifiable. This change is necessary because model code inadvertently deleted the option to identify the receptacles themselves, but NFPA 99 Health Care Facilities Code, Section 6.7.2.3.5(B), which is referenced in Section 517.31(E), still allows either the receptacles or cover plates to be identified. Also, a similar requirement for Type 2 essential electrical receptacles found in Section 517.42(E) allows the receptacles or cover plates to have a distinctive color or marking. Therefore, the OSHPD revision to the existing amendment is necessary to keep code language consistent within Article 517 and NFPA 99.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 103

Chapter 5 Special Occupancies

ARTICLE 517 Health Care Facilities

Section 517.32(A)

OSHPD proposes to add an OSHPD amendment to restore the 10 second restoration time for Type 1 life safety and critical branches in Section 517.32(A). Type 1 essential electrical system (EES) requirements for hospitals and other health care facilities with critical care patients are found in Sections 517.29 through 517.35. Model code deleted the requirement for 10 seconds automatic restoration time after a loss of the normal power for Type 1 EES life safety and critical branches from Section 517.32(B) and replaced it with a 10 seconds automatic restoration time requirement for Type 2 EES. Due to these changes in model code, there are no restoration times for Type 1 life safety and critical branches found in Article 517. 2018 NFPA 99 Section 6.7.5.3.1, which is referenced in 517.32(A), requires Type 1 life safety and critical branches to automatically restore in 10 seconds after a loss of normal power. OSHPD amendment will add a 10 seconds restoration time requirement to Section 517.32(A) for Type 1 life safety and critical branches.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 104

Chapter 5 Special Occupancies

ARTICLE 517 Health Care Facilities

Sections 517.34(A)(4), 517.34(A)(7)j-l, & 517.34(A)(11)a-g

OSHPD proposes to add an OSHPD amendment in Section 517.34(A)(7) for imaging equipment used for diagnostic services of emergency/trauma patients to be powered by the critical branch or equipment branch. CBC Section 1617A.1.40 requires radiological service to be powered by on-site emergency system. CBC Section 1705A.13.3.1 7 describes the imaging equipment needed for diagnostic services of emergency/trauma patients. OSHPD amendment will clarify that this imaging equipment needs to be powered by the critical branch or equipment branch. It will require task illumination and general-purpose receptacles serving the imaging room for this equipment to be powered by the critical branch.

OSHPD proposes to relocate the existing OSHPD amendments in 517.34(A)(5), 517.34(A)(8)j-k, and 517.34(A)(10)a-g, to 517.34(A)(4), 517.34(A)(7)j-k, and 517.34(A)(11)a-g, respectively, due to renumbering of 517.34(A) requirements in model code. The language in the existing OSHPD amendments remain unchanged.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 105

Chapter 5 Special Occupancies

ARTICLE 517 Health Care Facilities

Section 517.35(A)(10)

OSHPD proposes to repeal the OSHPD amendment in Section 517.35(A)(10) requiring uninterruptible power supplies (UPS) powering telecommunication and technology equipment to be powered by the equipment branch. This requirement needs to be repealed to align with changes in model code. Model code requires telecommunications entrance facility rooms, telecommunications equipment rooms, and telecommunications rooms and equipment in these rooms (517.34(A)(6)), clinical IT-network equipment (517.34(A)(8)), and wireless phone and paging equipment for clinical staff communications (517.34(A)(9)) to be powered by the critical branch. All of this equipment should be powered by a UPS, so the OSHPD amendment is in conflict with model code.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 106

Chapter 5 Special Occupancies

ARTICLE 517 Health Care Facilities

Section 517.44.1

OSHPD proposes to add an OSHPD amendment to Section 517.44.1. Section 517.40 through Section 517.44 are Type 2 essential electrical system (EES) requirements for use in nursing homes, intermediate and skilled nursing facilities without patients on life support, and correctional treatment centers and acute psychiatric hospitals without critical care patients. Type 2 ESS is comprised of two branches; Life Safety and Equipment. Section 517.44 describes the time-lag criteria for connecting Type 2 EES equipment branch loads to an alternative power source after a loss of normal power. Section 517.44(A) and Section 517.44(B) describe the loads which are permitted to be powered by the equipment branch. Section 517.44(A) equipment branch loads must be automatically connected to the alternative power source after the life safety loads are connected. This connection method is called “delayed automatic connection” in the code. Section 517.44(B) equipment branch loads must be delayed automatic or manually connected to the alternative power source. Updates to Section 517.44 model code language removed “517.44(A)” from the original text and replaced it with “517.35(A)(6)”. Section 517.35(A)(6) is a Type 1 EES requirement and not applicable to Type 2 EES. Also, updates to model code added the phrase “critical branch” to Section 517.44. “Critical branch” is a Type 1 essential electrical system terminology and not applicable to Type 2 EES. OSHPD proposed amendment Section 517.44.1 is necessary to restore the requirement that Type 2 EES equipment branch load listed in Section 517.44(A) must automatically restore to operation at appropriate time-lag intervals following the energization of the life safety branch.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 107

Chapter 5 Special Occupancies

ARTICLE 517 Health Care Facilities

Section 517.44(B)(3.1)

OSHPD proposes to add an OSHPD amendment Section 517.44(B)(3.1) to correct an error in model code Section 517.44(B)(3). Section 517.44(B)(3) uses the terminology “critical branch” in the text. This is a holdover to 2014 model code when Type 2 essential electrical systems had a life safety branch and a critical branch. 2017 model code changed the name of the critical branch to equipment branch, but Section 517.44(B)(3) text did not get updated. The text is still incorrect in current model code. OSHPD amendment in

Section 517.44(B)(3.1) will be the same requirement as Section 517.44(B)(3) except it will use the correct term, equipment branch.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 108

Chapter 5 Special Occupancies

ARTICLE 517 Health Care Facilities

Section 517.80

OSHPD proposes to add an OSHPD Amendment to Section 517.80 to exempt Class 2 circuits that transmit power and data to a power device from being required to be installed in raceways. Section 517.80 are the wiring requirements for communications, signaling systems, data system circuits, fire alarm systems, and systems less than 120 volts used in patient care spaces. It requires these systems and circuits to have the equivalent insulation and isolation required for the electrical distribution systems. According to the NEC Handbook commentary, the equivalent insulation and isolation of these circuits from the patient are for protection of patients from any shock hazard that could result from inadvertent contact with energized circuit conductors or parts associated with the limited energy systems. Section 517.80 permits Class 2 and Class 3 signaling and communication systems and power-limited fire alarm systems to be installed without raceways unless otherwise specified in Chapters 7 and 8. Furthermore, it does not require the wiring for these systems to be installed in metal raceways as required by Sections 517.13(A) and 517.31(C)(3). Examples of Class 2 and Class 3 signaling and communication systems include nurse call systems, security systems, IT-networks, phone systems, intercoms, and cable TV systems. Other Class 2 and Class 3 systems installed in patient care spaces that are not signaling or communication systems would be required to meet the metal raceways and metal-sheathed cables requirements in Sections 517.13(A) and 517.31(C)(3). It is not clear why other Class 2 system wiring would be required to be installed in a raceway since they are also power-limited circuits. These other Class 2 systems pose no more of a shock hazard to patients than systems directly handled by patients such as nurse call devices and telephones.

Therefore, OSHPD proposal will permit Power over Ethernet (PoE) and similar technologies that combined Class 2 power and data on the same cable to be installed without raceways. OSHPD justification for this change is that PoE is currently used for IT-networks, phone systems, and nurse call systems operating in patient care spaces. The PoE cables for these systems are not required to be installed in raceways per Section 517.80. OSHPD amendment would extend the optional raceway allowance in Section 517.80 to other PoE systems such as PoE lighting systems. This change will allow the health facilities to utilize the latest PoE lighting technologies to meet the Title 24 Part 6 mandatory indoor lighting controls requirements to reduce power use in health facilities without the increase cost of installing raceways for the PoE cables.

OSHPD amendment adds a reference to *ANSI/NEMA C137.3-2017, American National*

Standard for Lighting Systems. This same reference can be found in Section 725.144.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 109

Chapter 5 Special Occupancies

ARTICLE 517 Health Care Facilities

Section 517.123(A)(1) and 517.123(C)(4)

OSHPD proposes to amend the OSHPD amendment in Section 517.123(A)(1) to add references to the California Building Code's applicable sections for nurse call systems. The change is required because there are additional stipulations for nurse call systems found in California Building Code (CBC), Sections 1224, 1225, 1226, 1227, and 1228 that are not explicitly covered in CBC Table 1224.4.6.5. For example, CBC Table 1224.4.6.5 implies that all clinics in CBC Section 1226 are required to have nurse call systems. This is not correct. Only a few clinics in CBC Section 1226 are required to have nurse call systems. The language change in Section 517.123(A)(1) will require nurse call systems to be installed as described in CBC Sections 1224, 1225, 1226, 1227, and 1228, and not solely on the information provided in Table 1224.4.6.5.

OSHPD proposes to amend the OSHPD amendment in Section 517.123(C)(4) to change the mounting height requirements for nurse call system "Bath Station" devices located at the patient toilets. The current provision requires the devices to be mounted between 3 and 4 feet above the floor. This mounting requirement conflicts with the California Building Code requirements for the installation of grab bars. The proposed change will require the device to be mounted to maintain a clearance of 12 inches above the horizontal grab bar.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 110

Chapter 5 Special Occupancies

ARTICLE 517 Health Care Facilities

Section 517.124(A)

OSHPD proposes to amend OSHPD amendment in Section 517.124(A) to clarify that electrical equipment, raceways (conduits), and cables not directly related to the support of technology and telecommunication rooms shall not be installed in or pass through the rooms. This change is necessary because the current language only states electrical equipment in this requirement, and there have been questions if electrical equipment includes cables and raceways. OSHPD amendment is based on the telecommunication

systems requirements found in the 2018 FGI Guidelines for Design and Construction of Hospitals. They are also related to the requirements found in 2018 NFPA 99, Chapter 7. Section 517.124(A) intends to prevent foreign systems from being installed or passing through the technology and telecommunication rooms which may disrupt the information and communications systems located in these rooms. Foreign systems would include cables and raceways not related to these rooms which is the reason for the change.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 111

Chapter 5 Special Occupancies

ARTICLE 518 Assembly Occupancies

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 112

Chapter 5 Special Occupancies

ARTICLE 520 Theaters, Audience Areas of Motion Picture and Television Studios, Performance Areas, and Similar Locations

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 113

Chapter 5 Special Occupancies

ARTICLE 522 Control Systems for Permanent Amusement Attractions

Article is not adopted for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 114

Chapter 5 Special Occupancies

ARTICLE 525 Carnivals, Circuses, Fairs, and Similar Events

Article is not adopted for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 115

ARTICLE 530 Motion Picture and Television Studios and Similar Locations

Article is not adopted for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 116

Chapter 5 Special Occupancies

ARTICLE 540 Motion Picture Projection Rooms

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 117

Chapter 5 Special Occupancies

ARTICLE 545 Manufactured Buildings and Relocatable Structures

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 118

Chapter 5 Special Occupancies

ARTICLE 547 Agricultural Buildings

Article is not adopted for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 119

Chapter 5 Special Occupancies

ARTICLE 550 Mobile Homes, Manufactured Homes, and Mobile Home Parks

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 120

Chapter 5 Special Occupancies

ARTICLE 551 Recreational Vehicles and Recreational Vehicle Parks

Article is not adopted for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 121
Chapter 5 Special Occupancies
ARTICLE 552 Park Trailers

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 122
Chapter 5 Special Occupancies
ARTICLE 555 Marinas, Boatyards, Floating Buildings, and Commercial and Noncommercial Docking Facilities

Article is not adopted for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 123
Chapter 5 Special Occupancies
ARTICLE 590 Temporary Installations

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 124
Chapter 6 Special Equipment
ARTICLE 600 Electric Signs and Outline Lighting

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 125

Chapter 6 Special Equipment

ARTICLE 604 - Manufactured Wiring Systems

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 126

Chapter 6 Special Equipment

ARTICLE 605 Office Furnishings

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 127

Chapter 6 Special Equipment

ARTICLE 610 Cranes and Hoists

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 128

Chapter 6 Special Equipment

ARTICLE 620 Elevators, Dumbwaiters, Escalators, Moving Walks, Platform Lifts, and Stairway Chairlifts

Adopt entire 2020 National Electric Code (NEC) Article for OSHPD 1R, 2, 3, 4 & 5. Adopt entire 2020 National Electric Code (NEC) Article and carry forward existing amendment of the 2019 California Electrical Code (CEC) for OSHPD 1.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 129

Chapter 6 Special Equipment

ARTICLE 625 Electric Vehicle Power Transfer System

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 130

Chapter 6 Special Equipment

ARTICLE 626 Electrified Truck Parking Spaces

Article is not adopted for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 131

Chapter 6 Special Equipment

ARTICLE 630 Electric Welders

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 132

Chapter 6 Special Equipment

ARTICLE 640 Audio Signal Processing, Amplification, and Reproduction Equipment

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 133

Chapter 6 Special Equipment

ARTICLE 645 Information Technology Equipment

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 134

Chapter 6 Special Equipment

ARTICLE 646 Modular Data Centers

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 135
Chapter 6 Special Equipment
ARTICLE 647 Sensitive Electronic Equipment

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 136
Chapter 6 Special Equipment
ARTICLE 650 Pipe Organs

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 137
Chapter 6 Special Equipment
ARTICLE 660 X-Ray Equipment

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 138
Chapter 6 Special Equipment
ARTICLE 665 Induction and Dielectric Heating Equipment

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 139

**Chapter 6 Special Equipment
ARTICLE 668 Electrolytic Cells**

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 140

**Chapter 6 Special Equipment
ARTICLE 669 Electroplating**

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 141

**Chapter 6 Special Equipment
ARTICLE 670 Industrial Machinery**

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 142
Chapter 6 Special Equipment
ARTICLE 675 Electrically Driven or Controlled Irrigation Machines

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 143
Chapter 6 Special Equipment
ARTICLE 680 Swimming Pools, Fountains, and Similar Installations

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 144
Chapter 6 Special Equipment
ARTICLE 682 Natural and Artificially Made Bodies of Water

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 145
Chapter 6 Special Equipment
ARTICLE 685 Integrated Electrical Systems

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 146

Chapter 6 Special Equipment

ARTICLE 690 Solar Photovoltaic (PV) Systems

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 147

Chapter 6 Special Equipment

ARTICLE 691 Large-Scale Photovoltaic (PV) Electric Supply Stations

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 148

Chapter 6 Special Equipment

ARTICLE 692 Fuel Cell Systems

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 149
Chapter 6 Special Equipment
ARTICLE 694 Wind Electric Systems

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 150
Chapter 6 Special Equipment
ARTICLE 695 Fire Pumps

Adopt entire 2020 National Electric Code (NEC) Article and carry forward existing amendments of the 2019 California Electrical Code (CEC) for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 151
Chapter 7 Special Conditions
ARTICLE 700 Emergency Systems

Adopt entire 2020 National Electric Code (NEC) Articles, carry forward existing amendments of the 2019 CEC for OSPHD 1, 1R, 2, 3, 4 & 5, and make the following amendments in Items 151 through 154:

Section 700.3(B)

OSHPD proposes to amend the OSHPD amendment by deleting OSHPD 1R and adding OSHPD 5 to the OSHPD Banner. OSHPD amendment of Section 700.3(B) should indicate that the Department of Public Health, Licensing and Certification is the authority having jurisdiction (AHJ) responsible for overseeing the periodic testing of the emergency system equipment at general acute-care hospital buildings (OSHPD 1), skilled nursing facility and intermediate-care facility buildings (OSHPD 2) and acute psychiatric hospital buildings (OSHPD 5). OSHPD 5 is missing from the OSHPD banner, so it is being added to the banner. Also, the OSHPD banner incorrectly indicates that the Department of Public Health is the AHJ for OSHPD 1R. OSHPD 1R are existing non-conforming hospital buildings that have been removed from acute care service and a building type designation for OSHPD tracking purposes. OSHPD 1R is not a licensed service under the jurisdiction of the Department of Public Health, so OSHPD 1R is being removed from the banner.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 152

Chapter 7 Special Conditions

ARTICLE 700 Emergency Systems

Section 700.5(C)

OSHPD proposes to repeal OSHPD amendment in Section 700.5(C) requiring automatic transfer switches rated above 1000 VAC to be listed for emergency use or approved by an alternate testing and approval program acceptable to the authority having jurisdiction. The OSHPD amendment is no longer necessary because model code Section 700.5(A) has been revised to require all transfer switches, regardless of voltage, to be listed for emergency use. This model code change makes the OSHPD amendment unnecessary.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 153

Chapter 7 Special Conditions

ARTICLE 700 Emergency Systems

Sections 700.12(C)

OSHPD proposes to add an OSHPD amendment in Section 700.12(C) to require a storage battery system used as an alternate power source to have the equivalent capacity and operating duration as an equivalent generator set operating on an on-site fuel supply. The amendment is required because model code in 517.30(B) added battery system as an acceptable alternate power source for Type 1 essential electrical system. Without this amendment, a battery system powering the Type 1 essential electrical system would only be required to have a capacity to supply and maintain the total load for 90 minutes per the requirements in Section 700.12(C). With this amendment, the battery system is required to have the capacity to supply and maintain the maximum actual load demand for the time durations in OSHPD amendment listed in 700.12(B)(2). These time durations are as follows: 24 hours for acute general care hospitals; 72 hours for acute general care hospitals required to meet NPC-5; 24 hours for correctional treatment centers that provide optional services; 6 hours for acute psychiatric hospitals, intermediate care facilities, and skilled nursing facilities; and 4 hours for ambulatory surgical clinics.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 154

Chapter 7 Special Conditions

ARTICLE 700 Emergency Systems

Sections 700.12(D)(2) & 700.12(G)

OSHPD proposes to add an OSHPD amendment in Section 700.12(D) which references emergency generator fuel requirements for hospitals and limited care facilities found in Code of Federal Regulations Section 482.15(e)(3) and Section 485.73(e)(3). The federal regulations are applicable to facilities participating in Medicare and Medicaid Programs. According to the federal regulation, a facility that maintains an onsite fuel source to supply emergency generators must have an emergency plan for how it will keep emergency power systems operational during the emergency, unless it evacuates. The emergency plan is developed by the facility and approved by California Department of Public Health for Centers for Medicare & Medicaid Services. The emergency plan may require more onsite fuel storage than specified in Section 517.12(D)(2). The new reference in Section 700.12(D) will remind electrical design professionals of these federal requirements.

OSHPD proposes to relocate existing OSHPD amendments from 700.12(B)(2) to 700.12(D)(2) and from 700.12(E) to 700.12(G). This change is required because model code added two new subsections to Section 700.12. These new subsections are Section 700.12(A) Power Source Considerations and Section 700.12(B) Equipment Design. The remaining subsection in Section 700.12 were re-alphabetized accordingly which requires existing OSHPD amendments to be relocated to the proper subsection. The language in the existing OSHPD amendments remain unchanged except for the additional reference to Code of Federal Regulations Section 482.15(e)(3) and Section 485.73(e)(3).

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 155

Chapter 7 Special Conditions

ARTICLE 701 Legally Required Standby Systems

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 156
Chapter 7 Special Conditions
ARTICLE 702 Optional Standby Systems

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 157
Chapter 7 Special Conditions
ARTICLE 705 Interconnected Electric Power Production Sources

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 158
Chapter 7 Special Conditions
ARTICLE 706 Energy Storage Systems

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 159
Chapter 7 Special Conditions
ARTICLE 708 Critical Operations Power Systems (COPS)

Adopt entire 2020 National Electric Code (NEC) Article and carry forward existing amendments of the 2019 California Electrical Code (CEC) for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 160

Chapter 7 Special Conditions

ARTICLE 710 Stand-Alone Systems

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 161

Chapter 7 Special Conditions

ARTICLE 712 Direct Current Microgrids

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 162

Chapter 7 Special Conditions

ARTICLE 720 Circuits and Equipment Operating at Less Than 50 Volts

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 163
Chapter 7 Special Conditions
ARTICLE 725 Class 1, Class 2, And Class 3 Remote-Control, Signaling, and Power-Limited Circuits

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 164
Chapter 7 Special Conditions
ARTICLE 727 Instrumentation Tray Cable: Type ITC

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 165
Chapter 7 Special Conditions
ARTICLE 728 Fire-Resistive Cable Systems

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 166
Chapter 7 Special Conditions
ARTICLE 750 Energy Management Systems

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 167

Chapter 7 Special Conditions

ARTICLE 760 Fire Alarm Systems

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 168

Chapter 7 Special Conditions

ARTICLE 770 Optical Fiber Cables

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 169

Chapter 8 Communications Systems

ARTICLE 800 General Requirements for Communications Systems

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 170
Chapter 8 Communications Systems
ARTICLE 805 Communications Circuits

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 171
Chapter 8 Communications Systems
ARTICLE 810 Radio and Television Equipment

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 172
Chapter 8 Communications Systems
ARTICLE 820 Community Antenna Television and Radio Distribution Systems

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 173
Chapter 8 Communications Systems
ARTICLE 830 Network-Powered Broadband Communications Systems

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 174

Chapter 8 Communications Systems

ARTICLE 840 Premises-Powered Broadband Communications Systems

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 175

Chapter 9 Tables

Adopt entire 2020 National Electric Code (NEC) Article without amendments for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

Item 176

Annexes A, B, C, D, E, F, G, H, I and J

2020 National Electric Code (NEC) Annexes A, B, C, D, E, F, G, H, I and J are not adopted for OSPHD 1, 1R, 2, 3, 4 & 5.

CAC Recommendation (if applicable):

[Enter CAC recommendation(s), if any]

Agency Response:

[Enter the agency's response to CAC recommendation(s)]

TECHNICAL, THEORETICAL, AND EMPIRICAL STUDY, REPORT, OR SIMILAR DOCUMENTS

Government Code Section 11346.2(b)(3) requires an identification of each technical, theoretical, and empirical study, report, or similar document, if any, upon which the agency relies in proposing the regulation(s).

2018 National Fire Protection Association (NFPA) 99

2018 Facility Guidelines Institute (FGI), Guidelines for Design and Construction of Hospitals

STATEMENT OF JUSTIFICATION FOR PRESCRIPTIVE STANDARDS

Government Code Section 11346.2(b)(1) requires a statement of the reasons why an agency believes any mandates for specific technologies or equipment or prescriptive standards are required.

The proposed changes do not mandate any specific technologies or equipment and do not require any prescriptive standards.

CONSIDERATION OF REASONABLE ALTERNATIVES

Government Code Section 11346.2(b)(4)(A) requires a description of reasonable alternatives to the regulation and the agency's reasons for rejecting those alternatives. In the case of a regulation that would mandate the use of specific technologies or equipment or prescribe specific action or procedures, the imposition of performance standards shall be considered as an alternate. It is not the intent of this paragraph to require the agency to artificially construct alternatives or describe unreasonable alternatives.

There were no alternatives for consideration by the Office. The proposed amendments will provide clarification and consistency within the code and are in alignment with national standards.

REASONABLE ALTERNATIVES THE AGENCY HAS IDENTIFIED THAT WOULD LESSEN ANY ADVERSE IMPACT ON SMALL BUSINESS

Government Code Section 11346.2(b)(4)(B) requires a description of any reasonable alternatives that have been identified or that have otherwise been identified and brought to the attention of the agency that would lessen any adverse impact on small business.

Small business will not be adversely impacted by the proposed adoption, amendments, or repeal of code requirements.

FACTS, EVIDENCE, DOCUMENTS, TESTIMONY, OR OTHER EVIDENCE OF NO SIGNIFICANT ADVERSE IMPACT ON BUSINESS

Government Code Section 11346.2(b)(5)(A) requires the facts, evidence, documents, testimony, or other evidence on which the agency relies to support an initial determination that the action will not have a significant adverse economic impact on business.

The Office identified that there will be no adverse economic impact on business on the basis that the provisions proposed are optional and are being proposed to allow facilities to provide services that better match their needs. The proposed amendments provide clarification and a repeal unnecessary outdated requirement.

ASSESSMENT OF EFFECT OF REGULATIONS UPON JOBS AND BUSINESS EXPANSION, ELIMINATION OR CREATION

Government Code Sections 11346.3(b)(1) and 11346.5(a)(10)
Office of Statewide Health Planning and Development has assessed whether or not and to what extent this proposal will affect the following:

- A.** The creation or elimination of jobs within the State of California.
The proposed regulations will not create or eliminate jobs within the State of California.
- B.** The creation of new businesses or the elimination of existing businesses within the State of California.
The proposed regulations will not create new businesses or eliminate existing businesses within the State of California.
- C.** The expansion of businesses currently doing business within the State of California.
The proposed regulations will not cause expansion of businesses currently doing business with the State of California.
- D.** The benefits of the regulation to the health and welfare of California residents, worker safety, and the state's environment.
OSHPD promulgates building standards regarding the design and construction of licensed health facilities to ensure the protection of the public's health and safety in the facilities. The proposed regulations are necessary for the continued preservation of the health, safety, and welfare of California residents through updated amendments. The regulations will not affect worker safety, or the state's environment.

ESTIMATED COST OF COMPLIANCE, ESTIMATED POTENTIAL BENEFITS, AND RELATED ASSUMPTIONS USED FOR BUILDING STANDARDS

Government Code Section 11346.2(b)(5)(B)(i) states if a proposed regulation is a building standard, the initial statement of reasons shall include the estimated cost of compliance, the estimated potential benefits, and the related assumptions used to determine the estimates.

OSHPD did not identify any cost to comply with the proposed adoption and amendments. The proposal includes minor technical and editorial modifications that will provide clarification and consistency within the code.

DUPLICATION OR CONFLICTS WITH FEDERAL REGULATIONS

Government Code Section 11346.2(b)(6) requires a department, board, or commission within the Environmental Protection Agency, the Resources Agency, or the Office of the State Fire Marshal to describe its efforts, in connection with a proposed rulemaking action, to avoid unnecessary duplication or conflicts with federal regulations contained in the Code of Federal Regulations addressing the same issues. These agencies may adopt regulations different from these federal regulations upon a finding of one or more of the following justifications: (A) The differing state regulations are authorized by law and/or (B) The cost of differing state regulations is justified by the benefit to human health, public safety, public welfare, or the environment.

The proposed regulations do not duplicate or conflict with Federal Regulations.