## 2018 International Swimming Pool and Spa Code Amended

## Chapter 1 through 3 and Chapter 7 through 11 of the 2018 International Swimming Pool and Spa Code (ISPSC) is adopted by reference as the Swimming Pool and Spa Code of [NAME OF JURISDICTION] and is hereby amended, deleted or added to as follows:

## 1. Where the term *International Building Code* is used it shall be replaced with the term *California Building Code*.

## 2. Where the term *International Residential Code* is used it shall be replaced with the term *California Residential Code*.

## 3. Where the term *International Plumbing Code* is used it shall be replaced with the term *California Plumbing Code*.

## 4. Where the term *International Energy Conservation Code* is used it shall be replaced with the term *California Energy Code*.

## 5. Where the term *International Fire Code* is used it shall be replaced with the term *California Fire Code*.

## 6. Where the term *International Fuel Gas Code* is used it shall be replaced with the term *California Plumbing Code*.

## 7. Where the term *International Mechanical Code* is used it shall be replaced with the term *California Mechanical Code*.

## 8. Where the term *NFPA 70* is used it shall be replaced with the term *California Electrical Code*.

**9. Revise Section 101.1 as follows:**

101.1 Title**.** These regulations shall be known as the International Swimming Pool and Spa Code of [NAME OF JURISDICTION], hereinafter referred to as “this code.”

10. Delete part 1-Scope and Application, Sections 101.2 through 102.10.

11. Delete Part 2- Administrative and Enforcement, Sections 103 through 108 are hereby deleted in its entirety.

[Insert local jurisdiction administrative code requirements]

**12 Add Section 301.1.2. as follows:**

301.1.2 In the event of a conflict between the provisions of the Swimming Pool Safety Act, the International Swimming Pool and Spa Code, 2018 Edition, the 2019 California Building Code, or the 2019 California Residential Code, the Building Official shall

implement the most restrictive measures cited.

**13.** **Add the following section to your jurisdiction’s administrative section of the Code]**

101.2 Agreements to build; notice of provisions.Any person entering into an agreement to build a swimming pool or spa, or to engage in permitted work on a pool or spa covered by this article, shall give the consumer notice of the requirements of this article.

Pursuant to existing law, the Department of Health Services shall have available on the department's web site, commencing January 1, 2007, approved pool safety information available for consumers to download. Pool contractors are encouraged to share this information with consumers regarding the potential dangers a pool or spa poses toddlers. Additionally, pool contractors may provide the consumer with swimming pool safety materials produced from organizations such as the United States Consumer Product Safety Commission, Drowning Prevention Foundation, California Coalition for Children's Safety & Health, Safe Kids Worldwide, Association of Pool and Spa Professionals, or the American Academy of Pediatrics. *[CRC AV1004]*

*Authority: Health and Safety Code Section 18942(b)*

*Reference: Health and Safety Code Section 115924; Chapter 925, Statutes of 1996; Chapter 478, Statutes of 2006*

**14.** **[Add the following section to your jurisdiction’s administrative section of the Code]**

**AV100.4 Agreement to build; notice of provisions.**

(a) Any person entering into an agreement to build a swimming pool or spa, or to engage in permitted work on a pool or spa covered by this article, shall give the consumer notice of the requirements of this article. (b) Pursuant to existing law, the Department of Health Services shall have available on the department's web site, commencing January 1, 2007, approved pool safety information

available for consumers to download. Pool contractors are encouraged to share this information with consumers regarding the potential dangers a pool or spa poses toddlers. Additionally, pool contractors may provide the consumer with swimming pool safety materials produced from organizations such as the United States Consumer Product Safety Commission, Drowning Prevention Foundation, California Coalition for Children's Safety & Health, Safe Kids Worldwide, Association of Pool and Spa Professionals, or the American Academy of Pediatrics. [CRC AV 100.4]

*Authority: Health and Safety Code Section 18942(b)*

*Reference:**Health and Safety Code Section 115924; Chapter 925, Statutes of 1996; Chapter 478, Statutes of 2006*

**15. [Note to jurisdiction: Add the following to your administrative section of the Code**

 **AV100.6** Exempt facilities.The requirements of this article do not apply to any of the following:

1. Public swimming pools.

2. Hot tubs or spas with locking safety covers that comply with the American Society for Testing and Materials

(ASTM F1346).

3. An apartment complex or any residential setting other than a single-family home. [CRC AV100.5]

***Authority:*** *Health and Safety Code Section 18942(b)*

***Reference:*** *Health and Safety Code Section 115925; Chapter 925, Statutes of 1996; Chapter 670, Statutes of 2017*

**16. [Add the following to your administrative section of the Code**

 **AV100.6** Application to facilities regulated by Department of Social Services.This division does not apply to any facility regulated by the State Department of Social Services even if the facility is also used as a private residence of the operator.

Pool safety in those facilities shall be regulated pursuant to regulations adopted therefor by the State Department of Social Services.

[CRC AV100.6]

*Authority: Health and Safety Code Section 18942(b)*

*Reference****:*** *Health and Safety Code Section 115926; Chapter 925, Statutes of 1996*

**17.** **Add Section 303.1.2.1 as follows:**

**303.1.2.1 Operating time.**  A time switch or other control mechanism shall be installed as part of a pool water circulation control system that will allow all pumps to be set or programmed to run only during off-peak electric demand period, and for the minimum time necessary to maintain the water in the condition required by applicable public health standards. *[CEnC 110.4(b)3ii]*

**18. Section 303.1.3 is amended as follows:**

**303.1.3 Covers**.A cover is required for outdoor pools or outdoor spas that have a heat pump or gas heater *Exception***:** Pools or spas deriving at least 60 percent of the annual heating energy from site solar energy or recovered energy. *[CEnC 110.4(b)2]*

**19. Section 305.2 is amended as follows:**

**305.2 Outdoor swimming pools and spas.** Other than those facilities regulated in Section 305.8, alloutdoor *pools and spas* and indoor swimming pools shall be surrounded by a *barrier* that complies with Sections 305.2.1 through 305.7. *[CRC 3109.4.4.2]*

**20. Add Section 305.8 as follows:**

**305.8 Construction permit; safety features required.**

(a)Except as provided in Section AV100.5, when a building permit is issued for the construction of a new swimming pool or spa or the remodeling of an existing swimming pool or spa at a private single-family home, the respective swimming pool or spa shall be equipped with at least two of the following seven drowning prevention safety features: [CRC AV1002(a)]

1. An enclosure that meets the requirements of Section AV100.3 and isolates the swimming pool or spa from the private single- family home. [CRC AV100.2 #1]

2. Removable mesh fencing that meets American Society for Testing and Materials (ASTM) Specifications F 2286 standards in conjunction with a gate that is self-closing and self-latching and can accommodate a key lockable device. *[CRC AV100.2 #2]*

3. An approved safety pool cover, as defined in Section AV1001. *[CRC AV100.2 #3]*

4. Exit alarms on the private single-family home’s doors that protect direct access to the swimming pool or spa. The exit alarm may cause either an alarm noise or a verbal warning, such as a repeating notification that the door to the pool is open. *[CRC AV100.2#4]*

5. A self-closing, self-latching device with a release mechanism placed no lower than 54 inches (1372 mm) above the floor on the 6. private single-family home’s doors providing direct access to the swimming pool or spa. *[CRC AV100.2#5]* An alarm that, when placed in a swimming pool or spa, will sound upon detection of accidental or unauthorized entrance into the water. The alarm shall meet and be independently certified to the ASTM Standard F 2208 *“Standard Safety Specification for Residential Pool Alarms,* “which includes surface motion, pressure, sonar, laser and infrared type alarms. A swimming protection alarm feature designed for individual use, including an alarm attached to a child that sounds when the child exceeds a certain distance or becomes submerged in water is not a qualifying drowning prevention safety feature. *[CRC AV1002#6]*

7. Other means of protection, if the degree of protection afforded is equal to or greater than that afforded by any of the features set forth above and have been independently verified by an approved testing laboratory as meeting standards for those features established by the ASTM or American Society of Mechanical Engineers (ASME).*[CRC AV1002#7]*

(b) Before the issuance of a final approval for the completion of permitted construction or remodeling work, the local building code official shall inspect the drowning safety prevention features required by this section and, if no violations are found, shall give final approval. *[CRC AV1002(b)]*

***Authority:*** *Health and Safety Code Section 18942(b)*

***Reference:*** *Health and Safety Code Section 115922; Chapter 925, Statutes of 1996; Chapter 478, Statutes of 2006; Chapter 670, Statutes 2017*

**21 Add Section 305.9 as follows:**

**305.9 Enclosure; required characteristics**. An enclosure shall have all of the following characteristics:

1. Any access gates through the enclosure open away from the swimming pool and are self-closing with a self-latching device placed no lower than 60 inches (1524 mm) above the ground. *[CRC AV100.3 #1]*

2. A minimum height of 60 inches (1524 mm). *[CRC AV100.3 #2]*

3. A maximum vertical clearance from the ground to the bottom of the enclosure of 2 inches (51 mm). *[CRC AV100.3 #3]*

4. Gaps or voids, if any, do not allow passage of a sphere equal to or greater than 4 inches (102 mm) in diameter. *[CRC AV100.3 #4]*

5. An outside surface free of protrusions, cavities or other physical characteristics that would serve as handholds or footholds that could enable a child below the age of five years to climb over. *[CRC AV100.3 #5]*

##

***Authority:*** *Health and Safety Code Section 18942(b)*

***Reference:*** *Health and Safety Code Section 115923; Chapter 925, Statutes of 1996*

**22. Add Section 310.2 as follows:**

310.2 Construction Requirements for building a pool or spa. Whenever a building permit is issued for the construction a new private swimming pool or spa, the pool or spa shall meet all of the following requirements:

1.The suction outlet of the pool or spa for which the permit is issued shall be equipped to provide circulation throughout the pool or spa as prescribed in Paragraph 2 and 3.

2. The swimming pool or spa shall either have at least two circulation suction outlets per pump that shall be hydraulically balanced and symmetrically plumbed through one or more "T" fittings, and that are separated by a distance of at least three feet in any dimension between the suction outlets or be designed to use alternatives to suction outlets, including but not limited to skimmers or perimeter overflow systems to conduct water to the recirculation pump.

3. The circulation system shall have the capacity to provide a complete turnover of pool water, as specified in Section 3124B of the California Building Standards Code (Title 24 of the California Code of Regulations).

4.Suction outlets shall be covered with anti-entrapment grates, as specified in the ANSI/APSP-16 performance standard or successor standard designated by the federal Consumer product Safety Commission, that cannot be removed except with the use of tools. Slots of openings in the grates or similar protective devices shall be of a shape, area and arrangement that would not pose any suction hazard to bathers.

5. Any backup safety system that an owner of a new swimming pool or spa may choose to install in addition to the requirements set forth in subdivisions (1) through (4) above shall meet the standards published in the document, “Guidelines for Entrapment Hazards: Making Pools and spas Safer, “Publication Number 363, March 2005, United States Consumer Product Safety Commission.
 *Authority: Health and Safety Code Section 18942(b)*  *Reference: Health and Safety Code Section 115928; Chapter 679, Statutes of 2002;Chapter 62, Statutes of 2003;Chapter 478, Statutes of 2006;Chapter 596, Statutes of 2007;Chapter 679, Statutes of 2012*

**23. Add Section 316.2.1 (a) and (b) as follows:**

**316.2.1 (a) Certification by manufacturers.** Heating systems and equipment shall be certified by the manufacturer that the heating system and equipment complies with the following:

1. **Efficiency.** A thermal efficiency that complies with the Appliance Efficiency Regulations in Title 20, Division 2, Chapter 4, Article 4 of the California Code of Regulations; and [*CEnC 110.4(a)1]*

2. **Instructions.** A permanent, easily readable and weatherproof plate or card that gives instruction for the energy efficient operation of the pool or spa heater and for the proper care of pool or spa water when a cover is used; and *[CEnC 110.4(a)3]*

3. **Electric resistance heating.** No electric resistance heating; and

**Exception 1 to Section 110.4(a)4:** Listed package units with fully insulated enclosures, and with tight-fitting covers that are insulated to at least R-6.

**Exception 2 to Section 110.4(a)4:** Pools or spas deriving at least 60 percent of the annual heating energy from site solar energy or recovered energy. *[CEnC 110.4(a)4]*

**316.2.1 (b) Installation.** Any pool or spa system or equipment shall be installed with all of the following**:** *[CEnC 110.4(b***)**

1**. Piping.** At least 36 inches of pipe shall be installed between the filter and the heater or dedicated suction and return lines, or built-in or built-up connections shall be installed to allow for the future addition of solar heating equipment. *[CEnC 110.4(b)1]*

2. **Directional inlets.** The swimming pool shall have directional inlets that adequately mix the pool water. *[CEnC 110.4(b)3ii]*

##

**24. Revise Section 504.1 as follows:**

**504.1 Emergency shutoff switch.** One emergency shutoff switch shall be provided to disconnect power to circulation and jet system pumps and air blowers. Emergency shutoff switches shall be clearly labeled, *accessible*, located within sight of the *spa* and shall be located not less than 5 feet (1524 mm) but not greater than 10 feet (3048 mm) horizontally from the inside walls of the spa. *[CElecC 686.14]*