

SP1-11
105.3

Proposed Change as Submitted

Proponent: Dean Wise, C.B.O.,C.B.C.O., Queen Creek, AZ, representing self
(dean.wise@queencreek.org)

Revise as follows:

105.3 Construction documents. Construction documents, engineering calculations, diagrams and other such data shall be submitted in two or more sets with each application for a permit. The code official shall require construction documents, computations and specifications to be prepared and designed by a registered design professional ~~when required by state law~~ where required by the statutes of the jurisdiction in which the project is to be constructed. Where special conditions exist, the code official is authorized to require additional construction documents to be prepared by a registered design professional.

Exception: The code official is authorized to waive the submission of construction documents and other data not required to be prepared by a registered design professional if it is found that the nature of the work applied for is such that review of construction documents is not necessary to obtain compliance with this code.

Construction documents shall be drawn to scale and shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that the work conforms to the provisions of this code.

Reason: 105.3 should be consistent with the other International Codes. With the proposed language the requirement "to be prepared and designed by a registered design professional when required by state law" is overly restrictive. Local regulations should be taken into consideration whereby the jurisdiction should be able to require a registered design professional prepare documents similar to the requirements of other International Codes such as IBC 106.1 and IRC R106.1. Secondly this code may be utilized by others throughout the world which may not have "state laws".

Cost Impact: The code change proposal will not increase the cost of construction.

105.3-WISE

Public Hearing Results

Committee Action:

Disapproved

Committee Reason: The proponent left out information about site plans and electronic media that are in the other I-codes. The committee suggests that a public comment be submitted to include these items.

Assembly Action:

None

SP11-11

302.3

Proposed Change as Submitted

Proponent: Jennifer Hatfield, J. Hatfield & Associates, PL, representing the Association of Pool & Spa Professionals (jen@jhatfieldandassociates.com; jhatfield@apsp.org)

Revise as follows:

~~**302.3 Pipe, fittings and components.** Pipe, fittings and components shall be listed and labeled in accordance with NSF 50 or NSF 14. Plastic jets, fittings, and outlets used in public spas shall be listed and labeled in accordance with NSF 50.~~

~~**Exception:** Portable residential spas and portable residential exercise spas listed and labeled in accordance with UL 1563 or CSA C22.2 No. 218.1.~~

Reason: The draft is proposing a new requirement that is extremely costly per product to be tested and listed by any lab and there is no justification this is necessary.

Cost Impact: The code change proposal will not increase the cost of construction.

302.3-HATFIELD

Public Hearing Results

Committee Action:

Disapproved

Committee Reason: Requiring jets, fittings and outlets to be compliant with NSF 50 should not be a big change for the industries that produce these products.

Assembly Action:

None

Individual Consideration Agenda

This item is on the agenda for individual consideration because public comments were submitted.

Public Comment 1:

Jennifer Hatfield, J. Hatfield & Associates, PL, representing Association of Pool & Spa Professionals and Richard A. Martin, B.Sc., AFO, CPO, Business Manager of representing NSF International Recreational Water Program request Approval as Modified by this Public Comment.

Modify the proposal as follows:

~~**302.3 Pipe, fittings, valves and returns.** Pipe, fittings, valves and returns for public aquatic vessels shall be listed and labeled in accordance with NSF 50 or NSF 14.~~

Commenter's Reason: NSF 50 applies to public and residential pool and spa materials, products, equipment and system. NSF 14 applies to plastic piping systems and related components. This Public Comment limits this section to certain components, and in a public aquatic setting. The listing and labeling of pipe and fittings in residential applications is covered in sufficient detail in Sections 311.4 and 311.4.1 and is not necessary in this section. The portable residential spa exception is no longer necessary because this section would now be limited to public aquatic vessels.

Public Comment 2:

Bob Vincent, representing Florida Dept of Health, (Bob_Vincent@doh.state.fl.us), requests Disapproval.

Commenter's Reason: There needs to be a 3rd party ANSI standard with juried testing criteria (NSF is one for water pipe, pool equipment and chemicals) or there will be hundreds of swimming pool regulatory jurisdictions that will require differing pipe or device qualifications from the manufacturers. Pipe materials and valves are covered by NSF50. SP39-11 later addresses equipment covered by the ANSI/NSF standard.

SP11-11

Final Action: AS AM AMPC____ D

SP22-11
305.3.2

Proposed Change as Submitted

Proponent: Dean Wise, C.B.O.,C.B.C.O., Queen Creek, AZ, representing self
(dean.wise@queencreek.org)

Revise as follows:

305.3.2 Double or multiple gates. Double gates or multiple gates shall have at least one leaf secured in place and the adjacent leaf shall be secured with a self-latching device. The gate and barrier shall not have openings larger than 1/2 inch (12.7 mm) within 18 inches (457 mm) of the latch release mechanism. The self latching device and the latch release mechanism shall be located on the vessel side of the gate and barrier.

Reason: A clarification where the 1/2" within 18" is to be located so access to the self-latching device is restricted.

Cost Impact: The code change will not increase the cost of construction.

305.3.2-WISE

Public Hearing Results

Committee Action:

Disapproved

Committee Reason: Proposal does not address the requirement for latches to be at 54 inches above grade. Latches for double gates are commonly put on the outside of the gate and barrier, not on the vessel side.

Assembly Action:

None

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Dean Wise, C.B.O.,C.B.C.O., Town of Queen Creek, AZ representing self, requests Approval as Modified by this Public Comment.

Modify the proposal as follows:

305.3.2 Double or multiple gates. Double gates or multiple gates shall have at least one leaf secured in place and the adjacent leaf shall be secured with a self-latching device. The gate and barrier shall not have openings larger than 1/2 inch (12.7 mm) within 18 inches (457 mm) of the latch release mechanism. The self latching device and the latch release mechanism shall be located on the vessel side of the gate and barrier. shall comply with the requirements of Section 305.3.3.

Commenter's Reason: At the Public Hearings, the Committee Action recommended disapproval of the requested revisions. The reason indicated was "Proposal does not address the requirement for latches to be at 54 inches above grade. Latches for double gates are commonly put on the outside of the gate and barrier, not on the vessel side." The modification to the original proposal will answer the concerns of the Committee and would clarify the requirements of the location for latches in regards to the 54" height requirement indicated in 305.3.3.

SP22-11

Final Action:

AS

AM

AMPC ____

D

SP26-11

305.4

Proposed Change as Submitted

Proponent: Dean Wise, C.B.O.,C.B.C.O., Queen Creek, AZ, representing self
(dean.wise@queencreek.org)

Revise as follows:

305.4 Structure wall as a barrier. Where a wall of a dwelling or structure serves as part of the barrier, doors and operable windows with a sill height of less than 48 inches that provide direct access to the aquatic vessel through the wall and any opening in the barrier that would allow passage of sphere 4 inches in diameter (102 mm), shall be equipped with an alarm that produces an audible warning when the door or its screen or window or any other opening is opened. The alarm shall be listed and labeled in accordance with UL 2017. In dwellings or structures not required to be Accessible units, Type A units or Type B units, the deactivation switch shall be located 54 inches (1372 mm) or more above the threshold of the door. In dwellings or structures required to be Accessible units, Type A units or Type B units, the deactivation switch shall be located ~~not greater than~~ at 54 inches (1372 mm) ~~and not less than 48 inches (1219 mm)~~ above the threshold of the door. In addition, one or more of the following additional levels of protection shall be provided:

Reason: The remaining requirements under 305.4 shall remain without revision.

While doors and operable windows are the most prevalent types of openings, questions concerning dog doors/openings etc. are commonplace. By revising the language this would clarify and allow enforcement of any opening that would exceed the requirements of a required barrier and would be consistent with the language such as "Openings in the barrier shall not allow passage of a 4-inch-diameter (102 mm) sphere" indicated elsewhere to be addressed and needed safety features would be referenced within the proposed 305.4.

A Code Change, No: E41-04/05, proposed some changes for the 2006 IBC resulted in the language concerning the deactivation switch located 54" and not less than 48" above the threshold. Based on the Committee Action and approved as modified in the Public Hearing Results the proposal was accepted. The Committee's reason noted that "This is a reasonable compromise between the safety concerns for children and minimum accessibility requirements".

If 54" has been determined to be the dimension acceptable for safety concerns, whether required to be an Accessible unit or not, the distance of 48" to 54" should be considered an unsafe condition. Realizing that Accessible units, Type A and B units may have special needs an Accessible unit and type A and B units are not always restricted to occupancy of people with disabilities and occupancy of these units by others is not restricted. If the deactivation switch is located at 54" this would satisfy all unit types based on "shall be located 54" or more above the threshold and "shall be located not greater than 54" above the threshold. Also if a deactivation switch will suffice for Accessible units (since accessibility is not limited to wheelchair use) why would 48" to 54" not be acceptable in all dwellings?

Cost Impact: The code change proposal will not increase the cost of the construction.

305.4-WISE

Public Hearing Results

Committee Action:

Disapproved

Committee Reason: The proposal doesn't address pet doors some of which can be large enough for a child to pass through.

Assembly Action:

None

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Dean Wise, C.B.O.,C.B.C.O., Town of Queen Creek, AZ representing self, requests Approval as Submitted.

Commenter's Reason: At the Public Hearings, the Committee Action recommended disapproval of the requested revisions. The reason indicated was "The proposal doesn't address pet doors some of which can be large enough for a child to pass through." In the original "**Revise as follows:**" for the modifications to 305.4, language was added indicating "and any opening in" and "or any other opening". With the language that was proposed the requirements for openings would not be restricted to pet doors but would regulate any opening that did not meet the maximum 4" sphere requirement of the code. "Any opening" and "Any other opening" should be the preferred language which would cover all openings within the barrier.

Recommend that the proposed language be acceptable/approved so as not to restrict the code official from making a determination on any opening within the barrier no matter what the opening is designated as.

SP26-11

Final Action:

AS

AM

AMPC_____

D

SP33-11
307.1

Proposed Change as Submitted

Proponent: Bob Eugene, representing Underwriters Laboratories Inc. (Robert.Eugene@us.ul.com)

Revise as follows:

307.1 General. The provisions of this section apply to all aquatic vessels.

Exception: The provisions of Sections 307.3 through 307.9 do not apply to non-permanently installed portable residential spas and non-permanently installed portable residential exercise spas.

Reason: Reduces the scope of the exception to non-permanently installed spas.

Cost Impact: The code change proposal will not increase the cost of construction.

307.1-EUGENE

Public Hearing Results

Committee Action:

Disapproved

Committee Reason: The topics in Sections 307.3 through 307.9 for non-permanently installed spas are covered by the UL standards and APSP 6 for those types of spas.

Assembly Action:

None

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Bob Eugene, representing Underwriters Laboratories Inc., requests Approval as Modified by this public comment.

Modify the proposal as follows:

307.1 General. The provisions of this section shall apply to all aquatic vessels.

Exception: The provisions of Sections 307.3 through ~~307.9~~ 307.6 do not apply to ~~non-permanently installed~~ listed and labeled portable residential spas and ~~non-permanently installed~~ listed and labeled portable residential exercise spas.

Commenter's Reason: The change in section numbers is necessary due to the affirmative action taken on item SP 34-11. Listed and labeled spas already conform to the performance criteria covered by Sections 307.3 through 307.6 as indicated by the committee statement for disapproval of adding the term "non-permanently installed" in two locations. Section 307.7 already provides an exception for residential pools and spas, so the redundancy is not necessary. Provisions of Section 307.8 regarding IBC or IRC requirements for roofs or canopies should not be exempted just because a portable residential spa is installed. Based on action on SP34-11, Section 307.9 is only applicable to public pools and spas.

SP33-11

Final Action:

AS

AM

AMPC ____

D

SP35-11
307.9

Proposed Change as Submitted

Proponent: Maureen Traxler representing City of Seattle, Dept of Planning & Development
(maureen.traxler@seattle.gov)

Revise as follows:

307.9 Accessibility. An accessible route to the aquatic vessel shall be provided in accordance with the *International Building Code*. Accessibility within the aquatic vessel shall be provided as required by the accessible recreational facilities provisions of the *International Building Code*. Accessibility for aquatic vessels accessory to detached one and two family dwellings and townhouses not more than three stories in height shall be provided where required by the International Residential Code.

Reason: Some residences are subject to the IRC and should be required to provide accessibility when required by the IRC. Specifically, Section R320 of the 2009 IRC provides that "Where there are four or more dwelling units or sleeping units in a single structure, the provisions of Chapter 11 of the International Building Code for Group R-3 shall apply."

Cost Impact: No cost impact.

307.9-TRAXLER

Public Hearing Results

Committee Action:

Disapproved

Committee Reason: Accessibility is not required for aquatic vessels associated with buildings covered by the International Residential Code.

Assembly Action:

None

Individual Consideration Agenda

This item is on the agenda for individual consideration because public comments were submitted.

Public Comment 1:

Maureen Traxler representing City of Seattle Dept of Planning & Development, requests Approval as Submitted.

Commenter's Reason: The Committee reason for disapproval of this proposal is inaccurate, and speaks in support of the need for this code change. The reason for disapproval was "Accessibility is not required for aquatic vessels associated with buildings covered by the International Residential Code". It's not that simple. The IRC does in fact require accessibility for some dwellings and their accessory structures. The IRC states "Where there are four or more dwelling units or sleeping units in a single structure, the provisions of Chapter 11 of the International Building Code for Group R-3 shall apply." The 2012 IBC provides in Section 1103.2.4 that detached one- and two-family dwellings and accessory structures aren't required to be accessible, but townhouses are required to be accessible when there are four or more in one building. This code change will alert property owners and building designers that accessibility requirements may apply.

SP37-11
308.2

Proposed Change as Submitted

Proponent: Bob Eugene, representing Underwriters Laboratories Inc. (Robert.Eugene@us.ul.com)

Revise as follows:

308.2 Walls. Walls shall intersect with the floor at an angle or a transition profile. Where a transitional profile is provided at water depths of 3 feet or less, a transitional radius shall not exceed 6 inches and shall be tangent to the wall and is permitted to be tangent to or intersect the floor.

Exception: Non-permanently installed Pportable residential spas and non-permanently installed portable residential exercise spas.

Reason: The exception should only apply to temporary installations.

Cost Impact: The code change proposal will not increase the cost of construction.

308.2-EUGENE

Public Hearing Results

Committee Action:

Disapproved

Committee Reason: Non-permanently installed spas are already covered by APSP-6.

Assembly Action:

None

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Jennifer Hatfield, J. Hatfield & Associates, PL, representing Association of Pool & Spa Professionals, requests Approval as Modified by this Public Comment.

Modify the proposal as follows:

308.2 Walls. Walls shall intersect with the floor at an angle or a transition profile. Where a transitional profile is provided at water depths of 3 feet or less, a transitional radius shall not exceed 6 inches and shall be tangent to the wall and is permitted to be tangent to or intersect the floor.

Exceptions:

1. Non-permanently installed Portable residential spas and non-permanently installed portable residential exercise spas.
2. Onground storable pools.

Commenter's Reason: The onground storable pool exception is necessary as this is a design restriction that is of no consequence to these types of pools/aquatic vessels.

SP37-11

Final Action:

AS

AM

AMPC_____

D

SP38-11

309.1

Proposed Change as Submitted

Proponent: Bob Eugene, representing Underwriters Laboratories Inc. (Robert.Eugene@us.ul.com)

Revise as follows:

309.1 General: Equipment: All equipment shall be listed and labeled in accordance with NSF 50 and other applicable standards.

Exception: Portable residential spas and portable residential exercise spas listed and labeled in accordance with UL 1563 or CSA C22.2 No. 218.1.

Reason: NSF Standard 50 applies to various filter media diatomite and other pre-coat media filters, granular media filters, cartridge filters, skimmers, pumps, valves, suction fittings or main drains, pool alarms, pool and spa covers, safety vacuum release systems (SVRS), flexible pool and spa hose, mechanical and flow-through chemical feeding equipment, automatic controllers (AC), and pool and spa water quality testing devices (WQTD) and process equipment, including: in-line and brine type electrolytic chlorinators; copper/silver and copper ion generators; UV systems; and ozone generators. The components and materials are intended to be used specifically for swimming pool, spa, or hot tub water circulation and treatment in both public and residential applications. NSF uses other standards as appropriate to evaluate pool and spa products that don't currently have detailed testing criteria within NSF Standard 50. Some examples of frequently referenced standards and documents include:

- ANSI/ASME B40.100 - Pressure Gauge and Gauge Attachments
- ANSI/NSPI-1 Public Swimming Pools
- ANSI/NSPI-2 Public Spas
- ANSI/NSPI-3 Permanently Installed Residential Spas
- ANSI/NSPI-4 Aboveground/On-ground Residential Swimming Pools
- ANSI/NSPI-5 Residential In-ground Swimming Pools
- ANSI/NSPI-6 Residential Portable Spas
- ANSI/NSPI-7 Suction Entrapment Avoidance in Swimming Pools, Wading Pools, Spas, Hot Tubs, and Catch Basins
- ANSI/NSPI-8 Model Barrier Code for Residential Swimming Pools, Spas, and Hot Tubs
- ANSI/NSPI-9 Aquatic Recreation Facilities (Waterparks)
- APHA - Standard Methods for the Examination of Water and Wastewater, twentieth edition
- ASME A112.19.8 - Suction Fittings for Swimming Pools, Wading Pools, Spas & Hot Tubs
- ASME A112.19.17 - Manufacturer Safety Vacuum Release Systems (SVRS) for Residential & Commercial Swimming Pool, Spa, Hot Tub, Wading Pool Suction System
- ASTM C136 - Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates
- ASTM D570 - Test Method for Water Absorption of Plastics
- ASTM D638 - Test Method for Tensile Properties of Plastics
- ASTM D2387 - Standard Specification for Manufactured Safety Vacuum Release System (SVRS) for Swimming Pools, Spas, and Hot Tubs
- ASTM D3739 - Standard Practice for Calculation and Adjustment of the Langelier Saturation Index for Reverse Osmosis
- ASTM E11 - Standard Specification for Wire Cloth Sieves for Testing Purposes
- ASTM F462 - Standard Consumer Safety Specification for Slip-Resistant Bathing Facilities
- ASTM F698 - Specification for Physical Information to be Provided for Amusement Rides and Devices
- ASTM F747 - Terminology Relating to Amusement Rides and Devices
- ASTM F770 - Practice for Operation Procedures for Amusement Rides and Devices
- ASTM F790 - Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials
- ASTM F846 - Guide for Testing Performance of Amusement Rides and Devices
- ASTM F853 - Practice for Maintenance Procedures for Amusement Rides and Devices
- ASTM F893 - Guide for Inspection of Amusement Rides and Devices
- ASTM F1193 - Practice for Amusement Ride and Device Manufacturer Quality Assurance Program and Manufacturing Requirements
- ASTM F1292 - Standard Specification for Impact Attenuation of Surfacing Materials within the Use Zone of Playground Equipment
- ASTM F1305 - Guide for Classification of Amusement Ride and Device Related Injuries and Illnesses
- ASTM F1346 - Standard Performance Specification for Safety Covers and Labeling Requirements for All Covers for Swimming Pools, Spas, and Hot Tubs
- ASTM F1908 - Guide for Fences for Residential Outdoor Swimming Pools, Hot Tubs, and Spas
- ASTM F2208 - Standard Safety Specification for Residential Pool Alarms
- ASTM F2286 - Design and Performance Specification for Removable Mesh Fencing for Swimming Pools, Hot Tubs, and Spas

ASTM F2291 - Practice for Design of Amusement Rides and Devices
 ASTM F2376 - Standard Practice for Classification, Design, Manufacture, Construction, and Operation of Water Slide Systems
 ASTM F2518 - Standard Guide for Use of a Residential Swimming Pool, Spa, and Hot Tub Safety Audit to Prevent Unintentional Drowning
 ASTM F2666 - Standard Specification for Aboveground Portable Pools for Residential Use
 ASTM G154 - Standard Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials
 CAN/CSA C22.2 No. 218.1 - Spas, Hot Tubs and Associated Equipment
 DVGW W294-1, -2, and -3 - 2006 UV Disinfection Devices for Drinking Water Supply Requirements and Testing. German Gas and Water Management Union (DVGW), Bonn, Germany
 FDA 21 CFR 170-199 - Code of Federal Regulations
 FDA 21 CFR Subchapter A, Part 58-Code of Federal Regulations
 IAPMO PS 31 - Backflow Prevention Assemblies
 IAPMO PS 87 - Diverter and Shut-Off Valves for Pool/Spas
 IAPMO PS 101 - Suction Relief Valves
 IAPMO SPS-3 - Skimmers (Spas, Hot Tubs and Swimming Pools)
 IAPMO SPS-4 - Special Use Suction Fittings for Swimming Pools, Spas and Hot Tubs (For Suctions Side Automatic Swimming Pool Cleaners)
 IAPMO PS 33 - Flexible PVC Hose for Pools, Hot Tubs, Spas and Jetted Bathtubs
 NSF/ANSI 14 - Plastics Piping System Components and Related Materials
 NSF/ANSI 42 - Drinking Water Treatment Units - Aesthetic Effects
 NSF/ANSI 51 - Food Equipment Materials
 NSF/ANSI 60 - Drinking Water Treatment Chemicals - Health Effects
 NSF/ANSI 61 - Drinking Water System Components - Health Effects
 NSF/ANSI P-181 - Residential Portable Electrical Spas
 ÖNORM M 5873-1 - Installations for the Disinfection of Water Using Ultraviolet Radiation - Requirements and Testing - Systems with Low-pressure Mercury Vapor
 UL499 - Electric Heating Appliance
 UL873 - Temperature Indicating and Regulating Equipment
 UL979 - Water Treatment Appliances
 UL1081 - Standard for Swimming Pool Pumps, Filters, and Chlorinators
 UL1261 - Electric Water Heaters for Pools and Tubs
 UL1563 - Standard for Electric Spas, Equipment Assemblies, and Associated Equipment
 UL1598 - Luminaires
 UL 1795 - Standard for Hydromassage Bathtubs
 UL1951 - Electric Plumbing Accessories
 UL 2017 - Standard for Safety General-Purpose Signaling Devices and Systems
 UL 61010A-1 - Electric Equipment for Laboratory Use
 USEPA Ultraviolet Disinfection Guidance Manual for the Final Long Term 2 Enhanced Surface Water Treatment Rule, November 2006
 USEPA, 1993 - Methods for the Determination of Inorganic Substances in Environmental Samples
 USEPA, 1990 - Methods for the Determination of Organic Compounds in Drinking Water Supplement
 USEPA-600/4-79-020 - Methods for the Chemical Analysis of Water and Wastes
 USEPA National Secondary Drinking Water Regulations, 40 CFR Part 143
 USEPA National Primary Drinking Water Regulations, 40 CFR Part 14
 USEPA National Primary Drinking Water Regulations, 40 CFR Part 136

Cost Impact: The code change proposal will not increase the cost of construction.

309.1-EUGENE

Public Hearing Results

Committee Action:

Approved as Submitted

Committee Reason: Many components for aquatic vessels are covered by standards not specifically addressed by this code.

Assembly Action:

None

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Kris Bridges, Combination Inspector II, City of Martinsville, VA, requests Disapproval.

Commenter's Reason: Telling the code official to use "other applicable standards" is not good practice or good code language. We have listed and approved standards to go by to approve items and processes, as well as a modification process to approve new or alternate items.

SP38-11

Final Action: AS AM AMPC_____ D

SP39-11
309.1

Proposed Change as Submitted

Proponent: Jennifer Hatfield, J. Hatfield & Associates, PL, representing the Association of Pool & Spa Professionals (jen@jhatfieldandassociates.com; jhatfield@apsp.org)

Revise as follows:

309.1 General: Equipment: All equipment for public pools, spas, and hot tubs shall be listed and labeled in accordance with NSF 50.

Exceptions:

1. Portable residential spas and portable residential exercise spas listed and labeled in accordance with UL 1563 or CSA C22.2 No. 218.1.
2. Equipment that is not specifically covered by NSF 50.
3. Equipment that complies with the exceptions described in NSF 50, Section 3; Materials.

Reason: This requirement should only be required of public pools, hot tubs, and spas. Extending this to residential, above ground and storable pools is an unnecessary burden. Further NSF 50 currently does not include performance requirements for items such as fittings, jets, etc.

Cost Impact: The code change proposal will not increase the cost of construction.

309.1-HATFIELD

Public Hearing Results

Committee Action:

Disapproved

Committee Reason: The action on proposal SP38-11 sufficiently covers the changes in this proposal.

Assembly Action:

None

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment 1:

Jennifer Hatfield, J. Hatfield & Associates, PL, representing Association of Pool & Spa Professionals and Richard A. Martin, B.Sc., AFO, CPO, Business Manager of representing NSF International Recreational Water Program request Approval as Modified by this Public Comment.

Modify the proposal as follows:

309.1 General equipment. Electrically operated equipment for public pools, spas, and hot tubs shall be listed and labeled in accordance with applicable product standards NSF 50. Treatment and circulation system equipment for public aquatic vessels shall be listed and labeled in accordance with NSF-50 and other applicable standards.

Exceptions:

1. Portable residential spas and portable residential exercise spas listed and labeled in accordance with UL 1563 or CSA C22.2 No. 218.1.
2. ~~Equipment that is not specifically covered by NSF 50.~~

3. ~~Equipment that complies with the exceptions described in NSF 50, Section 3; Materials.~~

Commenter's Reason: This comment specifies which equipment must comply with which set of standards. The current NSF/ANSI 50-2010 (and its many reference standards) addresses a variety of important treatment, circulation, and safety products: such as filters and filter media, pumps, skimmers, valves, pipe and fittings, pool alarms, SVRS, suction fittings, pool/spa covers, chemical pumps, chemical generators of chlorine and bromine, ozone, UV, copper/silver ionizer systems, automatic controllers, water quality test devices, and other products. NSF/ANSI 50 contains important evaluation and test criteria such as material health safety, corrosion resistance, design and construction, product marking, user instructions, microbiological efficacy, chemical output level, life testing performance, accuracy of equipment, detection limits, filtration efficacy and safety, hydrostatic and cyclic pressure safety, load, impact, UV resistance, operator safety, and other issues. Although NSF 50 does contain operator safety evaluation criteria and tests it doesn't directly include shock, fire, and other related electrical safety tests. Such issues are sufficiently addressed in the product standards for electrically operated equipment (typically UL or CSA standards) and electrically operated products should be listed and labeled to the applicable standards in this Code.

Treatment and circulation system related equipment in public aquatic vessels should be listed to NSF 50 and/or other applicable standards. This eliminates any confusion as to which types of products require NSF 50 listing versus other product standards because NSF Standard 50 contains requirements for products which may be covered by a referenced standard (such as APSP-16, ASTM F2208, ASTM F2387, ASME A112.19.17, etc.). Many safety products such as suction fittings, pool alarms, pool/spa covers, and SVRS products are tested and certified in accordance with NSF/ANSI 50 and through reference are also evaluated and tested by NSF to a subordinate criteria or standard. As an example, NSF tests and certifies SVRS products to NSF/ANSI Standard 50 with testing to either the ASTM (F2387) or ASME (A112.19.17) version of the SVRS standard. Additional product categories are created within NSF/ANSI-50 for products like deck drains, perimeter grating, over-flow systems etc. However, certain products, such as lifesaving rings, back boards, diving boards, ladders, lights, etc., are not currently addressed within NSF/ANSI-50.

SP39-11

Final Action: AS AM AMPC_____ D

SP41-11

311.3, 314.5, 505.1, 505.1.1, 505.1.2, 505.1.3, 505.1.4, 505.2 (New), Chapter 11

Proposed Change as Submitted

Proponent: Jennifer Hatfield, J. Hatfield & Associates, PL, representing the Association of Pool & Spa Professionals (jen@jhatfieldandassociates.com; jhatfield@apsp.org)

Revise as follows:

311.3 Water velocity. The water velocity in return lines shall not exceed 8 feet per second, and The water velocity in suction piping shall be as required by Section 310 ~~comply with APSP 7.~~

314.5 Vacuum fittings. Submerged vacuum fittings shall be in accordance with Section 310 ~~shall be prohibited.~~

505.1 Return and suction fittings. Return ~~and suction~~ fitting(s) shall be provided and arranged to facilitate a uniform circulation of water and maintain a uniform sanitizer residual throughout the entire spa or exercise spa.

505.2 Suction fittings. Suction fittings shall be in accordance with Sections 505.2.1 through 505.2.4.

505.1.1 505.2.1 Testing and certification. Suction fittings shall be listed and labeled ~~to~~ in accordance with ANSI/APSP/IAMPO 16 or ASME A112.19.8.

505.1.2 505.2.2 Installation. Suction fittings shall be sized and installed in accordance with manufacturer's specifications. Spas and exercise spas shall not be used or operated if the suction outlet cover is missing, damaged, broken or loose.

505.1.3 505.2.3 Outlets per pump. Suction fittings shall be provided in accordance with Section 310 ~~APSP 7.~~

505.1.4 505.2.4 Submerged vacuum fittings. Submerged vacuum fittings shall be in accordance with Section 310 ~~be prohibited.~~

Add new standard to Chapter 11 as follows:

ANSI/APSP/IAMPO

16-2011 Suction Fittings for Use in Swimming Pools, Wading Pools, Spas, and Hot Tubs

Reason: This proposal references all entrapment avoidance protection back to Section 310, which requires the user to follow APSP 7. This provides for consistency throughout the code, where in many other places in the code section 310 was referenced and not APSP 7. The reference standard chapter was also updated to conform to these changes.

The proposal clarifies that return fittings and suction fittings have separate requirements, removing suction fittings from having to comply with the uniform circulation statement. This removal was necessary because this is technically inaccurate and therefore impossible to comply with, circulation only occurs on the pressure side of the circulation system.

The proposal also provides for suction fittings to also be tested and certified to the recently ANSI approved APSP 16 standard, which will become the successor standard to the ASME A112.19.8 suction fittings standard.

Cost Impact: This code change proposal will not increase the cost of construction.

311.3-HATFIELD

Public Hearing Results

Committee Action:

Approved as Submitted

Committee Reason: The proposal brings the code up to what APSP-7 requires.

Assembly Action:

None

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Jennifer Hatfield, J. Hatfield & Associates, PL, representing Association of Pool & Spa Professionals, requests Approval as Modified by this Public Comment.

Modify the proposal as follows:

311.3 Water velocity. The water velocity in return lines shall not exceed 8 feet per second. The water velocity in suction piping shall be as required by Section 310.

314.5 Vacuum fittings. Submerged vacuum fittings shall be in accordance with Section 310.

505.1 Return fittings. Return fitting(s) shall be provided and arranged to facilitate a uniform circulation of water and maintain a uniform sanitizer residual throughout the entire spa or exercise spa.

505.2 Suction fittings. Suction fittings shall be in accordance with Sections 505.2.1 through 505.2.4.

505.2.1 Testing and certification. Suction fittings shall be listed and labeled in accordance with ANSI/APSP 16 or ASME A112.19.8.

505.2.2 Installation. Suction fittings shall be sized and installed in accordance with manufacturer's specifications. Spas and exercise spas shall not be used or operated if the suction outlet cover is missing, damaged, broken or loose.

505.2.3 Outlets per pump. Suction fittings shall be provided in accordance with Section 310.

505.2.4 Submerged vacuum fittings. Submerged vacuum fittings shall be in accordance with Section 310.

Revise the following standards in Chapter 11 as follows:

APSP 7-0611	Standard for Suction Entrapment Avoidance in Swimming Pool, Wading Pools, Spas, Hot Tubs and Catch Basins.....310.1, 311.3, 505.1.3
ANSI/APSP 16-2011	<u>Standard for Suction Fittings for Use in Swimming Pools, Wading Pools, Spas, and Hot Tubs..... 202, 311.4.1, 505.1.1</u>

Commenter's Reason: The ANSI/APSP-16 Standard for Suction Fittings for Use in Swimming Pools, Wading Pools, Spas, and Hot Tubs was unanimously approved by the five Commissioners of the U.S. Consumer Product Safety Commission on July 29, 2011, as a successor standard to the American Society of Mechanical Engineers (ASME) 19.8 Drain Cover Standard presently referenced in the Virginia Graeme Baker Pool and Spa Safety Act (VGBA). Therefore, this standard has now been incorporated into federal law. The rule takes effect September 6, 2011, and as of that date, ANSI/APSP-16 will be the Consumer Product Safety Standard for all submerged suction fittings/drain covers and the ASME A112.19.8 standard will no longer apply, requiring its removal from the *ISPSC*. Further, for consistency with how other APSP standards are cited within the *ISPSC*, this change simply references APSP-16.

This proposal references section 310 of the *ISPSC*, which requires compliance with ANSI/APSP 7. The ANSI/APSP-7 standard has recently been updated with critical safety changes that should be included in this 2012 code.

SP41-11

Final Action:

AS

AM

AMPC_____

D

SP45-11
311.4.1, Chapter 11

Proposed Change as Submitted

Proponent: Jennifer Hatfield, J. Hatfield & Associates, PL, representing the Association of Pool & Spa Professionals (jen@jhatfieldandassociates.com; jhatfield@apsp.org)

Revise as follows:

311.4.1 Fittings. Fittings used in circulation systems shall be listed and labeled as complying with one of the standards in Table 311.4.1.

Exceptions:

1. Suction outlet fitting assemblies and manufacturer-provided components certified in accordance with ASME A112.19.8 or ANSI/APSP/IAMPO 16.
2. Skimmers and manufacturer-provided components.
3. Gutter overflow grates and fittings installed above or outside of the overflow point of the pool or spa.

Add new standard to Chapter 11 as follows:

ANSI/APSP/IAMPO

16-2011 Suction Fittings for Use in Swimming Pools, Wading Pools, Spas, and Hot Tubs

Reason: If fittings are to include suction outlet covers (or suction outlet fitting assembly) then this category needed to have additional clarification made, which this proposal seeks to do.

Cost Impact: The code change proposal will not increase the cost of construction.

311.4.1-HATFIELD

Public Hearing Results

Committee Action:

Approved as Submitted

Committee Reason: The proposal adds necessary clarifications for what parts are excluded from complying with the fitting standards.

Assembly Action:

None

SP50-11

314.4, 314.4.1, 314.4.3, 314.4

Proposed Change as Submitted

Proponent: Jennifer Hatfield, J. Hatfield & Associates, PL, representing the Association of Pool & Spa Professionals (jen@jhatfieldandassociates.com; jhatfield@apsp.org)

Revise as follows:

~~**314.4 Return fittings.** Pools shall have not less than two return fittings regardless of pool size. For pools s having a surface area greater than 300 square feet, one additional return fitting shall be provided for each 300 square feet (27.87 m²) of surface area, or fraction thereof.~~

314.4 Return inlets. There shall be one return inlet for each 300 square feet (27.87 m²) of pool surface area, or fraction thereof.

~~**314.4.1 Sizing.** Return fittings shall be sized to provide uniform distribution of water flow throughout the pool.~~

~~**314.4.2 314.4.1 Design.** Return and suction fittings for the circulation system shall be designed so as not to constitute a hazard to the bather.~~

~~**314.4.3 Bottom returns** Bottom return fittings shall be flush with the bottom or designed to minimize hazards associated with protrusions.~~

~~**314.4.4 Area of influence.** Bottom return fittings shall be considered to have an area of influence described by a circle with a radius of 15 feet (457 cm).~~

Reason: This proposal makes necessary changes to the return fitting requirements that currently conflict with the ANSI/NSPI-5 2003 Standard for Inground Residential Swimming Pools. This is a nationally recognized third party approved consensus standard. The provisions for return inlets in this Standard (which represent an increase in returns from the prior 1995 edition) are based on scientific analysis of water circulation, equipment capacity and necessary turnover rates. No evidence has been presented to the Committee charged with developing this standard or to the ICC which would support a change in the standard at this time.

Cost Impact: The code change proposal will not increase the cost of construction.

314.4-HATFIELD

Public Hearing Results

Committee Action:

Disapproved

Committee Reason: Requiring jets, fittings and outlets to be compliant with NSF 50 should not be a big change for the industries that produce these products.

Assembly Action:

None

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Bob Vincent, representing Florida Dept of Health, (Bob_Vincent@doh.state.fl.us), requests Disapproval.

Commenter's Reason: For public pools only, do not change the original 314.4 return fittings, nor 314.4.3 bottom returns, as these numbers and flush-design are needed for adequate circulation and safety,

SP50-11

Final Action: AS AM AMPC____ D

SP53-11
319.2

Proposed Change as Submitted

Proponent: Tom Lachocki, Ph. D., CEO, representing National Swimming Pool Foundation

Revise as follows:

319.2 Chemical feeders. ~~Where installed,~~ Chemical feed systems shall be provided and installed in accordance with the manufacturer's specifications. Chemical feed pumps shall be wired so that they cannot operate unless there is adequate return flow to disburse the chemical throughout the vessel as designed.

Reason: Should not be optional.

Cost Impact: Will increase the cost.

319.2-LACHOCKI

Public Hearing Results

Committee Action:

Disapproved

Committee Reason: The cost and complications of a chemical feed system for residential applications is too costly and is unnecessary.

Assembly Action:

None

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Bob Vincent, representing Florida Dept of Health, (Bob_Vincent@doh.state.fl.us), requests Approval as Submitted.

Commenter's Reason: Feeders should not be optional for public pools; hand feeding chemicals only provides inconsistent and inaccurate dosing that results in poor water quality and bather illnesses

SP53-11

Final Action:

AS

AM

AMPC____

D

SP54-11

321.1

Proposed Change as Submitted

Proponent: Jennifer Hatfield, J. Hatfield & Associates, PL, representing the Association of Pool & Spa Professionals (jen@jhatfieldandassociates.com; jhatfield@apsp.org)

Revise as follows:

321.1 General. The provisions of this section apply to lighting for public aquatic vessels.

~~**Exception:** Portable residential spas and portable residential exercise spas.~~

Reason: This section addresses use of pools during periods of low natural illumination, not construction or design, and the code proposal limits these requirements to only apply to public aquatic vessels. As currently drafted, this requirement is unenforceable with regard to residential pools and spas. Inspectors have no means for determining whether the owner will or intend to use the pool during periods where artificial lighting would be indicated. The need for artificial lighting under various conditions is best addressed by builders and manufacturers with their customers.

Further, the APSP-5 standard for residential pools leaves artificial lighting to the discretion of the owner; therefore, this code proposal provides consistency with this ANSI approved standard.

Cost Impact: The code change proposal will not increase the cost of construction.

321.1-HATFIELD

Public Hearing Results

Committee Action:

Approved as Submitted

Committee Reason: Residential aquatic vessels do not require the lighting that public pools require. It would be difficult to enforce use of such lighting in a residential application.

Assembly Action:

None

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Bob Eugene representing Underwriters Laboratories Inc., requests Approval as Modified by this Public Comment.

Modify the proposal as follows:

321.1 General. The provisions of this sections 321.2 and 321.3 shall apply to lighting for public aquatic vessels. The provisions of section 321.4 shall apply to lighting for residential aquatic vessels.

321.4 Residential pool and deck illumination. Where installed in residential pools and permanent residential spas, lighting shall be installed in accordance with NFPA 70 or the *International Residential Code*, as applicable in accordance with Section 102.7.1

(Portions of proposal not shown, remain unchanged.)

Commenter's Reason: In accordance with the proponent's intent, this still leaves installation of artificial lighting at the discretion of the owner for residential pools and spas as allowed by APSP-5. Where artificial lighting is installed in residential pools and permanent residential spas, it should meet minimum safety installation requirements as specified in NFPA 70, the IRC or other applicable standards. Residential pools are those associated with detached one- and two-family dwellings and townhouses not exceeding three stories in height. Portable residential spas are required to be listed and labeled in accordance with UL 1563, which contains the appropriate requirements for any lighting installed in the spa by the manufacturer.

SP54-11

Final Action: AS AM AMPC_____ D

SP70-11
407.2, Table 407.2

Proposed Change as Submitted

Proponent: Tom Lachocki, Ph. D., CEO, representing National Swimming Pool Foundation

Delete without substitution:

~~**407.2 Turnover.** Circulation equipment shall be sized to turn over the entire water capacity of the pool as specified in Table 407.2. The system shall be designed to provide the required turnover rate based on the maximum pressure and flow rate recommended by the manufacturer for and the filter and clean filter media.~~

TABLE 407.2
TURNOVER RATE

Swimming pool category	Turnover rate in hours
Class A, B, and C pools	Hours equal 1-1/2 times the average depth of pool in feet not to exceed 6 hours
Wading pools	4

Reason: Outside the purview of construction enforcement. These items belong under a public health code that can be enforced long term by qualified public health officials.

Cost Impact: None.

407.2-LACHOCKI

Public Hearing Results

Committee Action:

Disapproved

Committee Reason: Turnover rate is necessary information for design purposes.

Assembly Action:

None

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Bob Vincent, representing Florida Dept of Health, (Bob_Vincent@doh.state.fl.us), requests Approval as Submitted.

Commenter's Reason: For public pools the circulation equipment turnover rate is public health risk based, and is therefore more complicated than this table depending upon the type of pool and its anticipated patronage.

SP70-11

Final Action:

AS

AM

AMPC ____

D

SP79-11

202, 505.1.1, Chapter 11

Proposed Change as Submitted

Proponent: Jennifer Hatfield, J. Hatfield & Associates, PL, representing the Association of Pool & Spa Professionals (jen@jhatfieldandassociates.com; jhatfield@apsp.org)

Revise as follows:

EXERCISE SPA (Also known as a swim spa) - Variants of a spa in which the design and construction includes specific features and equipment to produce a water flow intended to allow recreational physical activity including, but not limited to, swimming in place. Exercise spas may include peripheral jetted seats intended for water therapy, heater, circulation and filtration system, or may be a separate distinct portion of a combination spa/exercise spa and may have separate controls. These aquatic vessels are of a design and size such that it has an unobstructed volume of water large enough to allow the 99th Percentile Man as specified in ANSI/APSP/IAMPO 16 or ASME A112.19.8 to swim or exercise in place.

Revise as follows:

505.1.1 Testing and certification. Suction fittings shall be listed and labeled to APSP 16 or ASME A112.19.8.

Add new standard to Chapter 11 as follows:

ANSI/APSP/IAMPO

16-11 Suction Fittings for use in Swimming Pools, Wading Pools, Spas, and Hot Tubs.

Reason: The proposal provides for suction fittings to also be tested and certified to the recently ANSI approved APSP 16 standard for Suction Fittings for use in Swimming Pools, Wading Pools, Spas, and Hot Tubs, which will become the successor standard to the ASME A112.19.8 suction fittings standard.

It also makes the necessary change in the reference standards chapter as well.

Cost Impact: The code change proposal will not increase the cost of construction.

Analysis: A review of the standard(s) proposed for inclusion in the code APSP 16-11 for compliance with ICC criteria for referenced standards given in Section 3.6 of Council Policy #CP28 will be posted on the website on or before April 16, 2011.

505.1.1HATFIELD

Public Hearing Results

Committee Action:

Approved as Submitted

Committee Reason: APSP 16 will eventually be replacing ASTM A112.19.8, so including this standard in the code is appropriate.

Assembly Action:

None

SP87-11

604.2, Table 604.2, 604.2.1, 604.2.2

Proposed Change as Submitted

Proponent: Tom Lachocki, Ph.D., CEO, National Swimming Pool Foundation

Delete without substitution:

~~**604.2 Turnover.** Circulation system equipment shall be designed to turnover 100 percent of the nominal pool water volume in the amount of time specified in Table 604.2. The system shall be designed to give the required turnover time based on the manufacturer's recommended maximum pressure and flow of the filter in clean media condition.~~

**TABLE 604.2
TURNOVER TIME**

CLASS OF POOL	MAXIMUM TURNOVER TIME^a (hours)
D-1	2
D-2 with less than 24 inches water depth	4
D-2 with 24 inches or greater water depth	2
D-3	4
D-4	2
D-5	4
D-6	4

a. Pools with a sand bottom require a 1 hour turnover time.

Revise as follows:

~~**604.2.1**~~ **604.2 24-hour circulation required.** Circulation systems shall circulate treated and filtered water for 24 hours a day.

~~**604.2.2**~~ **604.3 Reduced circulation rate.** The circulation rate shall be permitted to be reduced during periods that the pool is closed to use provided that acceptable water clarity conditions are met prior to reopening the pool for public use. At no time shall the circulation rate be zero.

(Renumber subsequent sections)

Reason: Water quality along with the factors affecting water quality and response to and assessment of water quality problems at a pool is a health department function. This includes surveillance, investigations and analysis of data regarding water quality issues at pools. This data along with current science/technology regarding water treatment are used to establish and/or revise requirements for the various pool related water treatment components. .

Cost Impact: None.

604.2-LACHOCKI

Public Hearing Results

Committee Action:

Disapproved

Committee Reason: Turnover time is needed for design purposes.

Assembly Action:

None

SP89-11
Table 608.1

Proposed Change as Submitted

Proponent: Bob Eugene, Underwriters Laboratories Inc., representing Underwriters Laboratories Inc. (Robert.Eugene@us.ul.com)

Revise as follows:

**TABLE 608.1
 OCCUPANT LOAD**

	Shallow or wading areas	Deep area (not including the diving area)	Diving area (per each diving board)	Deck area
Vessel water surface area	8 sq. ft per user	10 sq. ft. per user	300 sq. ft. per user	_____
Deck area	-----	-----	-----	1 user per 15 50 sq. ft.

Reason: Deck area occupant load should be 1/15 sq. ft. to be consistent with IBC.

Cost Impact: The code change proposal will not increase the cost of construction.

T608.1-EUGENE

Public Hearing Results

Committee Action:

Disapproved

Committee Reason: For water parks, the 1 per 50 ratio is more appropriate. Consistency with the International Building Code is not necessary as this is a standalone code.

Assembly Action:

None

Individual Consideration Agenda

This item is on the agenda for individual consideration because public comments were submitted.

Public Comment 1:

Hope Pointer, Town of Castle Rock, CO requests Approval as Submitted.

Commenter's Reason: The committee's reasoning for water parks that the 1 per 50 ratio is more appropriate does not accurately support the data from my observations. I have found that at the decking area the people are concentrated where as in the pool area they are spread out more. As an example see the picture from Water World attached below. Note the concentration of the people on the deck compared to the people in the water. Having people concentrated in such a small area becomes a hazard when it comes to an emergency egress path of travel.

Emergency egress provisions come from the International Building Code (IBC) such as the number of exits, width of exits, panic hardware. As a result jurisdictions will be determining occupant load from chapter 10 of the IBC since that is where all of the provisions are contained.

Having the number of 1 per 50 is going to conflict with the 1 per 15 derived from where the rest of the rules are from. See attached picture below.



Public Comment 2:

Bob Eugene representing Underwriters Laboratories Inc., requests Approval as Submitted.

Commenter's Reason: The IBC in Section 1004.1.2 and Table 1004.1.2 calls for a deck area of 15 sq. ft. per occupant. The Code Development Committee previously disallowed this proposed revision, stating that the ISPSC is a stand-alone code. While this may be true, it is in the best interest of this code, as well as the other codes in the ICC family of codes (such as the IBC, IRC, IPC, etc.) to insure that requirements are consistent throughout the codes. Consistency leads to better compliance.

SP89-11

Final Action: AS AM AMPC_____ D

SP90-11

609.1, 609.1(New), 609.2 (New), 609.2.1 (New), 609.2.2 (New), 609.3 (New), 609.3.1 (New) through 609.3.5 (New), 609.4 (New), 609.4.1 (New), 609.4.2 (New), 609.5 (New), 609.6 (New), 609.7 (New), 609.8 (New), 609.9 (New)

Proposed Change as Submitted

Proponent: W.A. James, Con-Serv Associates, Inc., representing the World Water Park Association (conserv1@mindspring.com)

Delete and substitute as follows:

~~**609.1 General.** Toilet rooms and bathrooms shall be in accordance with the *International Plumbing Code* and the *International Building Code* based on the occupant load calculated in accordance with Section 609. One deck shower shall be provided for each 200 bathers or fraction thereof with not less than of one for each pool.~~

609.1 General. Toilet and bath facilities shall be in accordance with Sections 609.2 through 609.9.

609.2 Number of fixtures. Pools shall have toilet facilities with the number of fixtures in accordance with Section 609.2.1 or 609.2.2.

609.2.1 Water area less than 7500 sq ft. Facilities that have less than 7500 gross square feet (697 m²) of water area available for bather access shall have not less than 1 water closet for males, 1 urinal for males, 1 lavatory for males, 1 shower for males, 2 water closets for females, 1 lavatory for females and 1 shower for females.

609.2.2 Water area 7500 sq ft or more. Facilities that have 7500 gross square feet (697 m²) or more of water area available for bather access shall have not less than 0.7 water closet for males, 1 urinal for males, 0.85 lavatory for males, 1 shower for males, 2 water closets for females, 1 lavatory for females and 1 shower for females for every 7500 square feet(697 m²) or portion thereof. Where the result of the fixture calculation is a portion of a whole number, the result shall be rounded up to the nearest whole number.

609.3 Showers. Showers shall be in accordance with Sections 609.3.1 through 609.3.5.

609.3.1 Deck shower. Not less than one shower and not greater than half of the total number of showers required by Section 609.2 shall be located on the deck of or at the entrance of each pool.

609.3.2 Anti-scald device. Where heated water is provided to showers, the shower water supply shall be controlled by an anti-scald device.

609.3.3 Water heater and mixing valve. Bather access to water heaters and thermostatically controlled mixing valves for showers shall be prohibited.

609.3.4 Flow rate. Each shower head shall have a water flow of not less than 2 gpm (7.6 Lpm).

609.3.5 At each showerhead the heated shower water temperature shall not exceed 120 °F (49 °C) and shall be not less than 90 ° F (32 °C).

609.4 Soap dispensers. Soap dispensers shall be in accordance with Sections 609.4.1 through 609.4.2.

609.4.1 Liquid or powder. Soap dispensers shall be provided in each toilet facility, Soap dispensers shall dispense liquid or powdered soap. Reusable cake soap is prohibited.

609.4.2 Metal or plastic. Soap dispensers shall be made of metal or plastic. Glass materials shall be prohibited.

609.5 Toilet tissue holder. A toilet paper holder shall be provided at each water closet.

609.6 Lavatory mirror. Where mirrors are provided, they shall be shatter resistant.

609.7 Sanitary napkins receptacles. Sanitary napkin receptacles shall be provided in each water closet compartment for females and in the area of the showers for female use only.

609.8 Sanitary napkin dispensers. A sanitary napkin dispenser shall be provided in each toilet facility for females .

609.9 Infant care. Baby-changing tables shall be provided in toilet facilities having two or more water closets.

Reason:

1. The above suggestion is based on the full content of a similar section in section 17.2 of ANSI/APSP-9 Standard for Aquatic Recreation Facilities which has been in effect since 2005.
2. The development of the 'APSP standard was based on an extensive survey/study of the waterpark industry conducted in 2003-4 addressing the issue of restroom facilities and other parameters.
3. The factors noted in the above proposal were derived directly from the survey responses.
4. The language proposed above received extensive peer review in APSP and was adopted without significant contest and without overruling any technical objection.
5. The language proposed above reflects dominant practice in the waterpark industry which developed over the mid 1980's development surge in this sector of the aquatic industry
6. The ANSI/APSP-9 standard is now in the process for review/revision. No proposals have come forward seeking modification or changes in this section of the standard.
7. Neither the writer nor the World Waterpark Association are aware of any objection or challenge to the proposed language as implemented through APSP or any other source.

Cost Impact: The impact of the above language will have no cost/profit effect on existing waterpark (aquatic recreation facilities) since it does not stipulate retro-compliance. New facilities will realize significant cost savings in design and construction and minor cost savings by way of reduced operating expenses for maintenance and housekeeping expense

609.1-JAMES

Public Hearing Results

Committee Action:

Approved as Submitted

Committee Reason: The proposed requirements for toilet and bath facilities are much more appropriate for water park applications than what the International Plumbing Code requires for swimming pools.

Assembly Action:

None

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Bob Vincent, representing Florida Dept of Health, (Bob_Vincent@doh.state.fl.us), requests Approval as Modified by this Public Comment.

Modify the proposal as follows:

609.9 Infant care. Baby-changing tables shall be provided in toilet facilities having ~~two~~ one or more water closets.

Commenter's Reason: For better hygiene and more publicly available sanitation opportunities that may equate to fewer waterborne illnesses.

SP90-11

Final Action: AS AM AMPC____ D

SP91-11

610.4, Chapter 11

Proposed Change as Submitted

Proponent: Pam Armitage, Walt Disney Parks and Resorts, representing Greg Hale, CSO

Revise as follows:

610.4 Beach entry, zero-depth entry, and sloping entries. The shallow end for beach entries and sloping entries shall be in accordance with Sections 611.5.1 through 611.5.6.6 of the 2010 ADA Standards for Accessible Design or the regulations of the local jurisdiction.

Add new standard to Chapter 11 as follows:

U.S. Department of Justice
950 Pennsylvania Avenue, N.W
Civil Rights Division, Disability Rights Section-NYA
Washington, DC 20530

DOJ
2010 ADA Standards for Accessible Design

Reason: The 2010 ADA Standards for Accessible Design is the authority having jurisdiction in the United States. Sections 611.5.1 through 611.5.6.6 appear to replicate the requirements in the 2010 ADA Standards for Accessible Design. Without the reference to the ADA requirements, if the ADA requirements change the requirements of 611.5.1 through 611.5.6.6 and the ADA requirements will be out of alignment.

Cost Impact: No Cost Impact to add the option to use 2010 ADA Standards for Accessible Design

Analysis: A review of the standard(s) proposed for inclusion in the code, 2010 ADA Standards for Accessible Design, for compliance with ICC criteria for referenced standards given in Section 3.6 of Council Policy #CP28 will be posted on the website on or before April 16, 2011.

610.4-ARMITAGE

Public Hearing Results

Committee Action:

Approved as Modified

Modify the proposal as follows:

610.4 Beach entry, zero-depth entry, and sloping entries. The shallow end for beach entries and sloping entries shall be in accordance with Sections ~~611.5.1~~ 610.4.1 through ~~611.5.6.6~~ 610.4.4 ~~of and~~ the 2010 ADA Standards for Accessible Design or the regulations of the local jurisdiction.

Add new standard to Chapter 11 as follows:

U.S. Department of Justice
950 Pennsylvania Avenue, N.W
Civil Rights Division, Disability Rights Section-NYA
Washington, DC 20530

DOJ
2010 ADA Standards for Accessible Design

Committee Reason: The modification corrects the section references and clarifies that the 2010 ADA standard must be adhered to as well. The latest ADA standards should be referenced by this code.

Assembly Action:

None

Individual Consideration Agenda

This item is on the agenda for individual consideration because public comments were submitted.

Public Comment 1:

Kris Bridges, Combination Inspector II, representing City of Martinsville, VA, requests Approved as Modified by this Public Comment.

Further modify the proposal as follows:

610.4 Beach entry, zero-depth entry, and sloping entries. The shallow end for beach entries and sloping entries shall be in accordance with Sections 610.4.1 through 610.4.4 and the ~~2010 ADA Standards for Accessible Design~~ ICC A117.1 or the regulations of the local jurisdiction.

Add new standard to Chapter 11 as follows:

ICC

ICC A117.1 – 2009 Accessible and Usable Buildings and Facilities

Commenter's Reason: We as Code Official's do not enforce DOJ standards and laws. We do however enforce the provisions set forth in ICC A117.1 – 2009 as referenced in the 2012 International Building Code and therefore should reference this standard and not the 2010 ADA Standards for Accessible Design.

Public Comment 2:

Jonathan Humble (Chairman) representing ICC Reference Standards Committee, requests Disapproval.

Commenter's Reason: The ICC Reference Standards Committee is a committee that was organized "to support the code development process through the review of reference standards for the International Codes." We submit this code proposal to provide an opinion regarding the reference standard contained in the International Swimming Pool and Spa Code.

We propose to have SP91-11 disapproved.

The document referenced is part of the ADA law. A change was passed to reference the 2010 ADA standard for only sloped entries (Section 610.4) and only in aquatic recreation facilities (Chapter 6). Accessibility is covered under the general provisions, Section 307.9 and references 2012 IBC, which in turn references 2009 A117.1, which includes pool access requirements for sloped entry, transfer chairs, ramps, transfer steps, etc. It specifically states:

"309.7 Accessibility. An accessible route to the aquatic vessel shell shall be provided in accordance with the International Building Code. Accessibility within the aquatic vessel shall be provided as required by the accessible recreational facilities provisions of the International Building Code."

We have identified two conflicts if the text were to stay as originally approved:

- 1) Accessibility is already addressed in the general provisions in Section 307.9. While the pool requirements in 2010 ADA and 2012 IBC/2009 A117.1 are coordinated, we question the need to reference two documents for the same item.
- 2) Both the 2010 ADA and 2009 A117.1 include requirements for other types of accessible entrances, and not just sloped entry(s). Further, the reference in 610.4 is too narrow.

The ICC Reference Standards Committee moves for disapproval by this public comment.

Public Comment 3:

Maureen Traxler representing City of Seattle Dept of Planning & Development, requests Disapproval.

Commenter's Reason: It is not appropriate to adopt the Americans With Disabilities Act as a referenced standard in an International Code. None of the other International codes adopts ADA as a referenced standard, and it has been determined not to comply with the ICC referenced standard criteria. Section 307.9 requires all swimming pools and spas to comply with the IBC, and, by reference, with ICC A117.1, Accessible and Usable Buildings and Facilities. Those are the accessibility regulations that local jurisdictions are authorized to enforce, not ADA. In addition, there may be conflicts and inconsistencies between ADA and A117.1. Another reason for disapproval is that the proposal incorrectly states that the referenced sections are part of ADA. The section references are to the subsections of the charging paragraph, not to ADA. (There is a typo in the text and the correct citations should be 610.5.1 through 610.5.)

SP91-11

Final Action: AS AM AMPC____ D

SP100-11
Chapter 11

Proposed Change as Submitted

Proponent: Bob Eugene, representing Underwriters Laboratories Inc. (Robert.Eugene@us.ul.com)

Revise as follows:

UL Underwriters Laboratories Inc.
 333 Pfingsten Road
 Northbrook, IL 60062

Standard reference number	Title	Referenced in code section number
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UL 372-2007	Automatic Electrical Controls for Household and Similar Use - Part 2: Particular Requirements for Burner Ignition Systems and Components.....	506.2.1, 506.2.2
UL 873-2007	Temperature-Indicating and –Regulating Equipment, <u>with revisions through January 6, 2010</u>	506.2.1, 506.2.2, 506.2.6
UL 1004-1—08	Standard for Rotating Electrical Machines General Requirements <u>with revisions through August 12, 2010</u>	313.8
UL 1004-2—08	Standard for Impedance Protected Motors	313.8
UL 1004-3—08	Standard for Thermally Protected Motors	313.8
UL 1004-4—08	Standard for Electric Generators	313.8
UL 1004-5—08	Standard for Fire Pump Motors	313.8
UL 1004-6—09	Standard for Servo and Stepper Motors	313.8
UL 1004-7—09	Standard for Electronically Protected Motors	313.8
UL 1004-8—09	Standard for Inverter Duty Motors	313.8
UL 1081-2008	Standard for Swimming Pool Pumps, Filters and Chlorinators, <u>with revisions through March 31, 2010</u>	313.8
UL 1261-2001	Standard for Electric Water Heaters for Pools and Tubs, <u>with revisions through June 16, 2010</u>Table 316.2
UL 1563-2009	Standard for Electric Hot Tubs, Spas and Associated Equipment, <u>with revisions through July 16, 2010</u> 302.3, 309.1, 310.1, 313.8 Table 316.2, 317.2, 509.1, 1001.4, 1001.7
UL 1995-2005	Heating and Cooling Equipment, <u>with revisions through July 30, 2009</u>Table 316.2
UL 2017—2008	General-Purpose Signaling Devices and Systems, with revisions through October 13, 2009305.4

Reason: Add referenced standards that were not included in the table. Delete non-applicable standards that were listed in the table, but not referenced in the body of the code. Update referenced standards to most recent revision.

Cost Impact: The code change proposal will not increase the cost of construction.

UL-EUGENE

Public Hearing Results

Committee Action:

Approved as Submitted

Committee Reason: The removal of unreferenced standards is appropriate. Updating standards to latest edition is appropriate. Adding a standard that is currently reference in the code is appropriate.

Assembly Action:

None

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Bob Eugene representing Underwriters Laboratories Inc., requests Approval as Modified by this Public Comment.

Modify the proposal as follows:

UL	Underwriters Laboratories Inc. 333 Pfingsten Road Northbrook, IL 60062	
Standard reference number	Title	Referenced in code section number
UL 372-2007	Automatic Electrical Controls for Household and Similar Use - Part 2: Particular Requirements for Burner Ignition Systems and Components, <u>with revisions through July 25, 2011</u>	506.2.1, 506.2.2
UL 873-2007	Temperature-Indicating and –Regulating Equipment, with revisions through January 6, 2010	506.2.1, 506.2.2, 506.2.6
UL 1004-1-08	Standard for Rotating Electrical Machines General Requirements with revisions through August 12, 2010 <u>June 23, 2011</u>	318.8
UL 1081-2008	Standard for Swimming Pool Pumps, Filters and Chlorinators, with revisions through March 31, 2010	313.8
UL 1261-2001	Standard for Electric Water Heaters for Pools and Tubs, with revisions through June 16, 2010	Table 316.2
UL 1563-2009	Standard for Electric Hot Tubs, Spas, and Associated Equipment, <u>with revisions through July 16, 2010</u> March 31, 2010	302.3, 309.1,310.1, 313.8
UL 1995-2005	Heating and Cooling Equipment, with revisions through July 30, 2009.	Table 316.2
UL 2017—2008	General-Purpose Signaling Devices and Systems, with revisions through October 13, 2009	305.4

(Portions of proposal not shown remain unchanged)

Commenter’s Reason: The Code Development Committee has approved this change as submitted. As the submitter, we are asking the membership to modify, and subsequently accept the modification of this submittal. The modification is simply a change to the revision data for UL 372, UL 1004-1 and UL 1563.

SP100-11

Final Action: AS AM AMPC_____ D