

**Proposed Code Modifications Detail**

**Code Change Cycle:** 2010 Triennial Original Modification 3/1/2010 - 4/2/2010

**TAC:** Plumbing

**Sub Code:** Building

P3936

1

<b>Date Proposal Submitted</b>	3/26/2010	<b>Section</b>	424.2.17.1.9
<b>Chapter</b>	4	<b>TAC Recommendation</b>	Pending Review
<b>Affects HVHZ</b>	No	<b>Commission Action</b>	Pending Review
<b>Proponent</b>	Jennifer Hatfield	<b>General Comments</b>	No
<b>Attachments</b>	No	<b>Alternate Language</b>	No

**Related Modifications**

**Summary of Modification**

This proposal makes changes to the pool alarm requirements in order to provide for consistency with the UL 2017 General-Purpose Signaling Devices and Systems standard that an exit alarm must comply with per the code.

**Text of Modification**

**424.2.17.1.9** Where a wall of a dwelling serves as part of the barrier, one of the following shall apply:

1. All doors and windows providing direct access from the home to the pool shall be equipped with an exit alarm complying with UL 2017 that has a minimum sound pressure rating of 85 dB A at 10 feet (3048 mm). The exit alarm shall produce an continuous audible alarm within 7 seconds warning when the access is door and its screen are opened. ~~The alarm shall sound immediately after the door is opened and be capable of being heard throughout the house during normal household activities.~~ The alarm may shall be equipped with a momentary self-restoring switch manual means to temporarily deactivate the alarm for a single opening. Such deactivation shall last no more than 15 seconds. The deactivation switch shall be located at least 54 inches (1372 mm) above the threshold of the access door. Separate alarms are not required for each door or window if sensors wired to a central alarm sound when contact is broken at any opening.

**Exceptions:**

- a. Screened or protected windows having a bottom sill height of 48 inches (1219 mm) or more measured from the interior finished floor at the pool access level.
  - b. Windows facing the pool on floor above the first story.
  - c. Screened or protected pass-through kitchen windows 42 inches (1067 mm) or higher with a counter beneath.
2. All doors providing direct access from the home to the pool must be equipped with a self-closing, self-latching device with positive mechanical latching/locking installed a minimum of 54 inches (1372 mm) above the threshold, which is approved by the authority having jurisdiction.

**Rationale**

Without this change requirements within the code would be inconsistent with what is required in UL 2017. For example, section 78.4 of the standard requires the alarm to sound within 7 secs of access to the open position, but section 424.2.17.1.9 of the Code says it must sound immediately. An exit alarm manufacturer certifies its product to UL 2017 requirements.

**Fiscal Impact Statement**

**Impact to local entity relative to enforcement of code**

None, it simply removes language inconsistent with a referenced standard.

**Impact to building and property owners relative to cost of compliance with code**

None, it simply removes language inconsistent with a referenced standard.

**Impact to industry relative to the cost of compliance with code**

The modification may decrease cost by eliminating confusion when trying to comply. If this change is not made and enforcement was required of both the UL standard and the inconsistent requirements laid out in the Code, additional costs could occur in order to make the product comply with both.

**Requirements**

**Has a reasonable and substantial connection with the health, safety, and welfare of the general public**

Exit alarms are safety features certified to a national standard. This proposal clarifies that exit alarms in FL will meet these requirements. This proposal does not make any changes that are inconsistent with the Florida Residential Swimming Pool Safety Act, where exit alarms are an option.

**Strengthens or improves the code, and provides equivalent or better products, methods, or systems of construction**

The modification improves the code by making it consistent with the UL 2017 standard.

**Does not discriminate against materials, products, methods, or systems of construction of demonstrated capabilities**

This modification does not discriminate; in fact, it ensures all products are on the same playing field, each having to meet the requirements of the UL 2017 standard.

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**Proposed Code Modifications Detail**

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**Does not degrade the effectiveness of the code**

The modification improves the effectiveness of the code by clarifying what is required of an exit alarm used in association with the swimming pool barrier requirements.

**Proposed Code Modifications Detail**

P4311

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<b>Date Proposal Submitted</b>	4/1/2010	<b>Section</b>	APSP
<b>Chapter</b>	35	<b>TAC Recommendation</b>	Pending Review
<b>Affects HVHZ</b>	No	<b>Commission Action</b>	Pending Review
<b>Proponent</b>	Jennifer Hatfield	<b>General Comments</b>	No
<b>Attachments</b>	No	<b>Alternate Language</b>	No

**Related Modifications**

**Summary of Modification**

Clarifies that NSPI is the former name of the APSP. Updates the ANSI/NSPI-5 standard for residential inground pools to reflect the 2010 revision. Deletes one of two portable spa standard references (ANSI-6), which is referenced twice, deletes the '92 reference.

**Text of Modification**

Note: changes to what is in the online draft are in green.

**APSP**

**Association of Pool and Spa Professionals**

[formerly **National Spa and Pool Institute (NSPA)**]

**NSPI**

**National Spa and Pool Institute**

2111 Eisenhower Avenue

Alexandria, VA 22314

Standard reference number	Title	Referenced in section number
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ANSI/NSF International Standard 50-1996, Circulation System Components and Related Materials for Swimming Pools, Spas/Hot Tubs

424.1.6.5.1, 424.1.6.5.2, 424.1.6.5.16, 424.1.6.5.16.4.2, 424.1.6.5.16.5.2, 424.1.9.2.5.2

ANSI/NSPI 3—99 American National Standard for Permanently Installed Residential Spas 424.2.6.1

ANSI/NSPI 4—99 American National Standard for Aboveground/Onground Residential Swimming Pools

424.2.6.1

ANSI/NSPI/APSP 5—0310 American National Standard for Residential Inground Swimming Pools 424.2.6.1

ANSI/NSPI 6—99 American National Standard for Portable Spas.....424.2.6.1

~~ANSI/NSPI 6—92 American National Standard for Residential Portable Spas 424.2.6.1~~

ANSI/APSP 7—06 American National Standard for Suction Entrapment Avoidance in Swimming Pools, Wading Pools, Spas, Hot Tubs, and Catch Basins.....424.2.6.1, 424.2.6.3, 424.2.6.6

**Rationale**

The current 2010 draft references ANSI/APSP-6 twice, this deletes the duplication that references the older standard. This proposal also clarifies that NSPI is the former name of APSP. The third change is to update the ANSI/NSPI-5 Residential Inground Swimming Pools standard to the 2010 revision. This revision is currently in the last phase of being approved and should be available by the time this code proposal goes in front of the TAC.

**Fiscal Impact Statement**

**Impact to local entity relative to enforcement of code**

The only fiscal impact may be associated with purchasing the revised ANSI/APSP-5 standard.

**Impact to building and property owners relative to cost of compliance with code**

There is no fiscal impact to consumers.

**Impact to industry relative to the cost of compliance with code**

The industry will have to comply with any changes in the revised ANSI-5 standard and will need to purchase this updated standard.

**Requirements**

**Has a reasonable and substantial connection with the health, safety, and welfare of the general public**

Updating to the latest revision of a standard provides consumers who install a new pool with the most recent requirements.

**Strengthens or improves the code, and provides equivalent or better products, methods, or systems of construction**

This proposal improves the code by updating the ANSI approved standard that provides construction requirements for inground residential pools.

**Does not discriminate against materials, products, methods, or systems of construction of demonstrated capabilities**

This proposal does not discriminate.

**Does not degrade the effectiveness of the code**

This proposal does not degrade the effectiveness of the code.

**Proposed Code Modifications Detail**

P3939

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<b>Date Proposal Submitted</b>	3/26/2010	<b>Section</b>	UL
<b>Chapter</b>	35	<b>TAC Recommendation</b>	Pending Review
<b>Affects HVHZ</b>	No	<b>Commission Action</b>	Pending Review
<b>Proponent</b>	Jennifer Hatfield	<b>General Comments</b>	No
<b>Attachments</b>	No	<b>Alternate Language</b>	No

**Related Modifications**

**Summary of Modification**

Updates the UL 2017 Standard for General-Purpose Signaling Devices and Systems to the 2008 second edition.

**Text of Modification**

UL  
 Underwriters Laboratories, Inc.  
 333 Pfingsten Road  
 Northbrook, IL 60062-2096

~~2017-2002 Standards for General purpose Signaling Devices and Systems 424.2.17.1.9~~  
 2017-04 Standard for General-Purpose Signaling Devices and Systems – with Revisions through October 13, 2009 424.2.17.1.9

**Rationale**

Manufacturers of products relative to this standard will be certifying to the updated 2008 second edition; therefore our code should reference the latest version of the ANSI approved UL 2017 standard. The 2007 code also referenced the wrong section of the Building Code; the FBC Supplement to the 2009 IBC corrected the code section number, which should be the pool barrier alarm section, 424.2.17.1.9.

**Fiscal Impact Statement**

**Impact to local entity relative to enforcement of code**

There will not be any cost related to this modification to update references to the national standard.

**Impact to building and property owners relative to cost of compliance with code**

There will not be any cost related to this modification to update references to the national standard.

**Impact to industry relative to the cost of compliance with code**

There will not be any cost related to this modification to update references to the national standard.

**Requirements**

**Has a reasonable and substantial connection with the health, safety, and welfare of the general public**

Yes by referencing the latest edition of the standard it ensures products will have to meet the revised edition. These products include exit alarms that may be part of a pool safety barrier a consumer chooses to install to meet the Florida Residential Swimming Pool Safety Act, chapter 515, F.S.

**Strengthens or improves the code, and provides equivalent or better products, methods, or systems of construction**

The modification improves the code by referencing the latest edition of the national standard.

**Does not discriminate against materials, products, methods, or systems of construction of demonstrated capabilities**

This modification does not discriminate.

**Does not degrade the effectiveness of the code**

The modification improves the effectiveness of the code by referencing the latest edition of the national standard.

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### Proposed Code Modifications Detail

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#### Search Criteria

<b>Modification #:</b>	ALL	<b>Code Version:</b>	2010
<b>Code Change Cycle:</b>	2010 Triennial Original Modification 03/01/2010 - 04/02/2010	<b>Sub Code:</b>	Building
<b>Chapter &amp; Topic:</b>	ALL	<b>Section:</b>	ALL
<b>Date Submitted From:</b>	ALL	<b>Date Submitted To:</b>	ALL
<b>TAC:</b>	ALL	<b>TAC Recommendation:</b>	ALL
<b>Commission Action:</b>	ALL	<b>Proponent Last Name:</b>	Hatfield
<b>Proponent First Name:</b>	ALL	<b>Text of Modification:</b>	ALL
<b>Related Modifications:</b>	ALL	<b>Affects HVHZ:</b>	ALL