

ISPSC



2022 GROUP B PUBLIC COMMENT AGENDA

SEPTEMBER 14 - 21, 2022

KENTUCKY INTERNATIONAL CONVENTION CENTER
LOUISVILLE, KY

2022 Public Comment Agenda

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SP2-22

Proposed Change as Submitted

Proponents: Gregory Wilson, representing FEMA (gregory.wilson2@fema.dhs.gov); Rebecca Quinn, representing Federal Emergency Management Agency (rcquinn@earthlink.net)

THIS PROPOSAL WILL BE HEARD BY THE IBC-STRUCTURAL COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THIS COMMITTEE.

2021 International Swimming Pool and Spa Code

Revise as follows:

[BS] 304.4 Protection of equipment. Equipment shall be elevated to or above the design flood elevation ~~or be anchored to prevent flotation and protected to prevent water from entering or accumulating within the components during conditions of flooding.~~

Exception: Equipment for pools, spas and water features shall be permitted below the required elevation provided the equipment is elevated to the highest extent practical, is anchored to prevent flotation and resist flood forces, and is protected to prevent water from entering or accumulating within the components during conditions of flooding.

Reason: This proposal moves the requirement “or be anchored to prevent flotation and protected to prevent water from entering or accumulating within the components during conditions of flooding.” to an exception and adds a requirement to elevate equipment to the highest extent practical, even if it is below the required elevation.

The exception also makes explicit that pool equipment below the required elevation must resist flood forces. The IRC and the IBC (via the standard ASCE 24, Flood Resistant Design and Construction) already require mechanical, plumbing, and electrical systems to resist hydrostatic and hydrodynamic loads and stresses. Proposals that achieve the same result were approved by the Florida Building Commission for the 2021 Florida Building Code, with concurrence by FEMA.

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

The additional cost of “elevating to the highest extent practical” is minimal, given the savings from not having damaged equipment in the event of frequent flooding that is shallower than the design flood elevation (or base flood elevation).

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Public Hearing Results

Committee Action:

As Submitted

Committee Reason: Approved as submitted as the proposal improves the flow of the code by moving the confusing part of the section to an exception. The committee did express concerns with the how would interpret to the “highest extent practical”. (Vote: 13-1)

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Individual Consideration Agenda

Public Comment 1:

ISPSC: [BS] 304.4

Proponents: Kota Wharton, City of Grove City, representing City of Grove City (kwharton@grovecityohio.gov) requests As Modified by Public Comment

Modify as follows:

2021 International Swimming Pool and Spa Code

[BS] 304.4 Protection of equipment. Equipment shall be elevated to or above the design flood elevation.

Exception: ~~Equipment for pools, spas and water features shall be permitted below the required elevation provided the equipment is elevated to~~

~~the highest extent practical, is anchored to prevent flotation and resist flood forces, and is protected to prevent water from entering or accumulating within the components during conditions of flooding.~~ Locating equipment below the design flood elevation is permitted provided such equipment is designed and installed to prevent water from entering or accumulating within the components and to resist hydrostatic and hydrodynamic loads and stresses, including the effects of buoyancy, during the occurrence of flooding.

Commenter's Reason: No change to the reason statement.

Modification is intended to mirror the language of 2021 IRC R322.1.6 and to reduce the risk of inconsistent interpretation by removing the phrase "highest extent practical".

Cost Impact: The net effect of the public comment and code change proposal will not increase or decrease the cost of construction

No change in cost impact. The phrase "highest extent practical" is removed, thus the cost statement is modified thus; the saved cost or repair and replacement of damaged equipment or components shall balance the increased cost of protection.

Public Comment# 3090