

## **2007/2008 PROPOSED CHANGES TO THE ICC PERFORMANCE CODE**

Proposed changes to the *ICC Performance Code* will be heard by the IBC General Code Committee and the IBC Structural Code Committee. See the tentative order of discussion for these committees on pages IBC-G2 and IBC-S2, respectively.

## PC1-07/08

### 301.3.2 (New)

**Proponent:** Rebecca C. Quinn, RCQuinn Consulting, Inc., representing US Homeland Security, Federal Emergency Management Agency

**THIS PROPOSAL IS ON THE AGENDA OF THE IBC STRUCTURAL CODE DEVELOPMENT COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THE IBC STRUCTURAL CODE DEVELOPMENT COMMITTEE.**

**Add new text as follows:**

**301.3.2 Performance under flood conditions.** The performance of a building or facility exposed to flood loads and flood conditions is also based on the ability of the building or facility to be restored to function given the exposure of equipment, construction, materials, finishes, and contents to floodwaters.

**Reason:** The purpose of this code change is to acknowledge that the performance of a building or facility that is subject to flooding is not entirely a function of how the building performs under structural loads imposed on the structure, but also how performance is affected by other conditions associated with flooding, including duration, rate of rise, and the potential for water-borne pollution and contaminants. Performance and functionality are impaired when the interior of a building is exposed to floodwaters. A building may be designed to be stable under flood loads, but not meet the desired performance level if the impacts of flooding on nonstructural components, finishes, materials, and equipment are not taken into consideration. The User's Guide to the ICC PC points out that cost-effectiveness is an important factor throughout the life cycle of a building. The costs to restore nonstructural flood damage should be taken into consideration when determining the acceptable minimum performance.

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

Public Hearing: Committee: AS AM D  
Assembly: ASF AMF DF

---

## PC2-07/08

### 104.2.1, 703.3.1, 703.3.2, Chapter 23 (New)

**Proponent:** Ed Donoghue, Edward Donoghue Associates Inc. (EADAI), representing National Elevator Industry, Inc. (NEII)

**THIS PROPOSAL IS ON THE AGENDA OF THE IBC GENERAL CODE DEVELOPMENT COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THE IBC GENERAL CODE DEVELOPMENT COMMITTEE.**

**1. Revise as follows:**

**104.2.1 Approved methodologies.** Design approaches shall utilize authoritative documents and design guides to demonstrate that designs are based on applicable and valid technical and scientific methodologies. The codes and standards referenced in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference. Where differences occur between provisions of this code and referenced codes and standards, the provisions of this code shall apply.

**703.3.1 General.** Building transportation equipment excluding elevators and escalators shall:

1. Move people safely when starting, stopping, accelerating, decelerating or changing direction of travel, and hold the rated loads.
2. Be constructed to avoid the likelihood of people falling, tripping, becoming caught and coming in contact with sharp edges or projections under normal and reasonably foreseeable conditions of use.
3. Be guided and have sufficient running clearances.
4. Have controls to stop and prevent restarting in the event of activation of a safety device.
5. Be capable of being isolated for inspection, testing and maintenance.
6. Have adequate lighting and ventilation during normal conditions or upon loss of normal power.

**703.3.2 Elevators and escalators.** Elevators and escalators shall ~~be designed and constructed to provide:~~ conform with ASME A17.7/CSA B447.7.

- ~~1. A means of communication for trapped passengers in stalled elevators.~~

2. ~~Emergency recall operation that discharges passengers at the required designated or alternate landing in the event of a fire emergency.~~
3. ~~Emergency in-car operation for fire fighting and rescue operations.~~
4. ~~An environment that ensures the safe operation of the equipment for the anticipated use or application.~~

**2. Add new chapter as follows:**

**CHAPTER 23**  
**REFERENCED STANDARDS**

This chapter lists the standards that are referenced in various sections of this document. The standards are listed herein by the promulgating agency of the standard, the standard identification, the effective date and title, and the section or sections of this document that reference the standard. The application of the referenced standards shall be as specified in Section 104.2.1.

**ASME**

ASME A17.7-2007/CSA B44-07

Performance Based Safety Code for Elevators and Escalators

**Reason:** The reference to ASME A17.7/CSA-B44.7 is more appropriate as all of the detailed information required in the performance requirements are found within this standard and to maintain consistency it should be referenced.

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

**Analysis:** A review of the standards proposed for inclusion in the code, ASME A17.7-2007/CSA B44-07 for compliance with ICC criteria for referenced standards given in Section 3.6 of Council Policy #CP 28 will be posted on the ICC website on or before January 15, 2008.

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

---

