



## ICC CODE TECHNOLOGY COMMITTEE

### BALANCED FIRE PROTECTION – FEATURES STUDY GROUP MEETING #10

May 19, 2008

#### DRAFT MINUTES

Four Points Sheraton BWI Airport  
7032 Elm Road  
Baltimore, MD 21240  
(410) 859 - 3300

May 19: 8:00 am – 4:00 pm

#### 1.0 Welcome and introductions – Co-chairs Collins & Dargan

The meeting was called to order at 8:15 am by co chair Dave Collins. Self introductions were made.

Voting members present: Laura Blaul, Dave Collins, Dave Frable, Sam Francis, Jim Messersmith, Ron Nickson, Larry Perry, Dennis Richardson, Jerry Sanzone, Jon Siu, Rick Thornberry, Jonathon Humble (alt for Robert Wills), Carl Wren

Members absent: Carl Baldassarra, Kate Dargan, Sean DeCrane, Emory Rodgers

Staff liaison: Mike Pfeiffer

#### 2.0 Approve agenda

Approved

#### 3.0 Approve minutes of Meeting # 9 November 27 – 28, 2007

Approved

#### 4.0 Public comments to 2007/2008 Features code changes

G110: The SG reviewed the April 21, 2008 draft editorial edits by Jon Siu:

- Definitions: Looking for consistent terminology
- T503: Re-formatted like current Table 503
- T 503.1.(2): Round off to nearest 1000; add A-5
- T 503.1(3): If area > 200,000 sq. ft., call it unlimited
- T 503.1(4): last column needs to be “9 or more” stories
- 503.2.2.1: Need to add 30” parapet exception for vertical continuity
- 507: clarify that each compartment in a mixed use scenario is independent
- Equations formatted similar to current code

G110: Two additional public comments were considered:

- To revise the mixed use provisions based on height as in the current code. No public comment to be submitted.
- An exception to allow the supporting construction for the horizontal fire barrier in unprotected TOC in sprinklered buildings to be either unrated if supporting less than 3 floors and ½ hour rated if supporting more than 3 floors. No public comment to be submitted.

G110 presentation by Bill Koffel:

- A fire flow of 1000 gpm has historically been used in the codes as the basis to determine sprinkler thresholds based on the compartment area size
- Need criteria for fire department access for each compartment because the basis for the proposal is the fire department's ability to suppress the fire
- Occupancy hazard may not be a relevant factor if the proposed basis is one of the fire department suppressing the fire. Occupancy impacts duration of the fire and how quickly it develops
- What about fire spread beyond the compartment?
- Construction type should play into the values for overall building height and number of compartments
- Special consideration may need to be given for unlimited area buildings as they run contrary to the G110 approach.

G110 fire flow:

- The SG considered two options for jurisdictions which have low fire flows - options to multiply the tabular values by factors ranging from 0.15 to 0.6, dependent on document fire flow. No public comment to be submitted.
- The SG had a considerable amount of discussion on the fire flow basis to be used in the public comment. The original code change had as its basis: Sprinklered - 2000 gpm; Unsprinklered - 1500 gpm
  - The SG ultimately decided to reduce the fire flow number down to 1500 gpm (sprinklered) and 1000 gpm (unsprinklered). The rationale for this was noted as:
    - Areas too large in original proposal
    - Smaller jurisdictions and rural area may not be able to deliver 1500 gpm.
    - 1000 gpm is more reasonable when one considers single alarm responses

G115, G117 – G120: SG reaffirmed their position to submit the drafted public comments.

## **5.0 BFP code issues – future development**

**5.1 Exiting (Frable, Wren, Blaul, Richardson, Baldassarra)**

**5.2 Compartmentation (Collins, Wren, Perry, Messersmith, DeCrane)**

**5.3 Smoke management (Thornberry, Blaul, Baldassarra)**

**5.4 Fire resistance ratings (Sanzone, Siu)**

**5.5 Performance measures for building safety inspection and maintenance (Dargan)**

No activity on any of these code issues.

## **6.0 Risk assessment – Scoring system methodology**

**6.1 Status update**

**6.2 Future development**

No activity

## **7.0 New business**

None

## **8.0 Future meetings and Assignments**

Revisions to be made and discussed at a telecon slated for June 4<sup>th</sup>, prior to the June 9<sup>th</sup> public comment deadline.

## **9.0 Adjourn**

The meeting was adjourned at approximately 4:30 pm.

CTC website for posted materials: <http://www.iccsafe.org/cs/cc/ctc/balanced.html>

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**DRAFT MINUTES**

**List of Attendees**

Farid Alfawakhiri	AISI
Vickie Lovell	Intercode, Inc.
Mike Ashley	AFSCC
John Valiulis	Hilti, Inc.
David Dratnol	Isolatek International
John Woestman	Builders Hardware
Jerri Morrey	Jerry Morey, Architect
Kurt Roeper	Ingersol Rand
Bill McHugh	Firestop Contractors Int'l. Assoc.
Robert Davidson	Davidson Code Concepts/NASFM
Greg Keith	Boeing
Jay Hall	PCA
Thom Zaremba	Primary Fire Rated Glass Mfgs.
Dan Nichols	State of New York