

**ICC CODE TECHNOLOGY COMMITTEE  
MEETING #7**

**DRAFT MINUTES**

**September 6 – 8, 2006  
Holiday Inn Alexandria  
2460 Eisenhower Avenue  
Alexandria, VA 22314  
(703) 960-3400**

*This October 5<sup>th</sup> version of the minutes is identical to the September 23<sup>rd</sup> version except for the added list of attendees on this version.*

**Wednesday, September 6: 1:00 pm – 5:00 pm**  
**Thursday, September 7: 8:00 a.m. – 5:00 p.m.**  
**Friday, September 8: 8:00 a.m. - 5:00 p.m.**

**1.0 Welcome and introductions - Chair Heilstedt**

**1.1 Call to order; introductions; welcoming remarks**

Chair Heilstedt called the meeting to order at 1:00 pm on September 6<sup>th</sup>, welcoming those in attendance and requested self introductions.

Members present: Shahriar Amiri, Carl Baldassarra (Vice Chair), Dave Collins, Paul Heilstedt (Chair), Steve Jones, Marsha Mazz, Brian Meacham, Ron Nickson, Robert Salvaggio, Paul Tellez

Members absent: Dick Bukowski (present on Thursday and Friday), Ray Kothe, Jeff Tubbs (alternate to Meacham)

Staff liaison: Mike Pfeiffer

Attendees: A list of attendees is provided at the end of these minutes.

**2.0 Approve agenda**

The August 31, 2006 revised agenda was approved.

**3.0 Approve minutes of CTC Meeting #6 March 9-10, 2006**

Approved as modified noting CTC member Brian Meacham was in attendance. It was further noted that the approved final reports from the March 9<sup>th</sup> meeting were submitted to the CEO in accordance with Section 5.1 of CP #5.

**4.0 Establishment of Study Groups**

**4.1 Review checklist of key considerations when appointing a study group**

The checklist is under development. It will be presented by Dave Collins at the October CTC meeting.

**5.0 Climbable Guards**

**5.1 Working Meeting – CTC position on 2006/2007 code changes E96-E102, RB103-RB108**

The CTC reviewed the above referenced code changes and established the following positions:

E96: Support. This is a CTC proposal.

E97: A modification was suggested. This will be considered at a CTC Public Hearing in October.

E98: Oppose.

E99 & 100: Outside of scope of CTC area of study

E101 & 102: CTC to testify, neither in support or opposition, indicating the status of the CTC effort as far as possible testing for climbability.

RB103: Oppose in favor of E96

RB104: A modification was suggested. This will be considered at a CTC Public Hearing in

October.  
RB105: Oppose in favor of E96  
RB106: Oppose.  
RB107: Oppose  
RB108: Oppose

## **5.2 Study Group Status Report**

Todd Daniel with NOMMA presented a Powerpoint entitled the “NOMMA Education Foundation”. Currently they are contacting university injury prevention centers as part of a possible testing program. A report entitled “Research Critique for NOMMA by Whorton Marketing & Research was cited as being discussed by the study group but had not been submitted to the CTC. Staff was requested to post the report. It was noted that the goal was the publication of a final report of findings in 2008.

## **6.0 Carbon Monoxide Detectors**

### **6.1 Working Meeting – CTC position on 2006/2007 code changes RB109, RB110**

The CTC reviewed the above referenced code changes and established the following positions:

RB109&109: Oppose

## **7.0 Day Care/Adult Care/Assisted Living**

### **7.1 Working Meeting – Draft Report**

Steve Jones introduced an updated working draft of the report. Issues noted:

- I-1: commercial entities? For profit entities/
- Intent is to mandate NFPA 13 D sprinklers for day care occupancies, even with less than 5 occupants
- Small operations have a minimally trained staff; with high turnover
- The study group should also pursue the “clean sheet of paper” approach, with the issues noted, in order to not be burdened by the existing text

The CTC reviewed the working draft and made revisions. This will be posted as Working Draft 2. Also to be posted will be the study group report with the issues noted. The study group (Steve Jones-Chair, Shahriar Amiri, Marsha Mazz, Dave Collins, Robert Salvaggio) is scheduled to meet prior to the CTC meeting in October: October 18: 1 pm – 5 pm; October 19: 8am – 12 am

## **8.0 Balanced Fire Protection**

### **8.1 Working meeting: Specific code issue - Roof vents**

Rich Schulte passed out multiple handouts on the subject of roof vents. The proposal was a re-formatted version of that originally submitted and posted. Rich noted that he was interested in feed-back from those in favor of roof vents. Issues noted:

- 1950’s technology
- Science of fire protection has evolved considerably
- Purpose- Occupant evacuation and tenability of the building environment relative to fire fighting
- Cost/benefit

The CTC will hold a Public Hearing on this issue at the next CTC meeting to solicit input on the proposed deletion of roof vents.

### **8.2 Study Group Status Report**

CTC member Brian Meacham, the chair of the study group noted the assignments made at the March meeting of the group (reference the posted March 9, 2006 report) and reported that the only submittal received on the assignments was proposed definitions noted under proposed task #2. Brian further noted the task was difficult as there is no “strawman” to initiate the effort. It was noted that the results of the study group need not be established in order to review other submitted code issues to the CTC on BFP.

Bill Koffel noted that he was researching the viability of a meeting in November to pursue Tasks 3 and 4 on the report.

Questions arose whether CTC should initiate the review of submitted 2006/2007 code changes. It was noted by staff that these items should be identified on the CTC agenda to provide proper notification that

we need to be cognizant of the perception of the creation of multiple processes within the ICC Code Development Process. It was further noted that subject areas, not necessarily tied to a specific code change, were clearly within the purview of this area of study. Among the subject areas noted:

- Height and area, including trade-offs
- Areas of refuge
- Other sprinkler trade-offs
- Atrium provisions

The CTC decided to place height and area on the agenda for the October meeting. A study group of the following individuals was formed:

Dave Collins-Chair  
Ron Nickson  
Carl Baldassarra  
Paul Tellez

It was noted that a status report on the subject of BFP should be submitted to the ICC Board.

## 9.0 Review of NIST WTC Recommendations

### 9.1 Public Hearing – CTC Report on 2006/2007 code changes S5, FS100, E137

The CTC reviewed the above referenced code changes and established the following positions:

S5: CTC is not in favor of this proposal. The CTC prefers the language found in Section 1.4 of ASCE 7 and will submit a modification to S5 at the hearings.

FS100: No position

E137: Oppose

### 9.2 Public Hearing - CTC Report – Evacuation plans

Concerns were raised relative to the proposed location of these provisions in Chapter 34. Some members felt Chapter 1 is the appropriate location – as part of construction documents. Disposition: Continue the public hearing on this item at the October CTC meeting.

### 9.3 Working Meeting – CTC position on 2006/2007 code changes F135, G7, G63, G71, G72, G73, E84, E148

F135: No position

G7: No position

G63: Support, however, the CTC notes there is a question as to the basis for the 120' height.

G71: No position

G72: Oppose

G73: Oppose

E84: No position

E148: Support in principle. The CTC notes that the activities of the ASME on the subject of occupant use of elevators for evacuation are not finished.

### 9.4 Working Meeting – CTC position on 2006/2007 code change S38 versus S39

The CTC prefers their submittal. A proposed modification was suggested by NIST and modified by CTC to simplify the method of determining thickness:

**1704.10.4 Thickness.** ~~The average thickness minus two times the standard deviation of the~~ No more than 10 percent of the thickness measurements of the sprayed fire-resistant materials applied to structural elements shall ~~not~~ be less than the thickness required by the approved fire-resistant design but in no case less than the minimum allowable thickness required by Section 1704.10.4.1. ~~Individual measured thickness, which exceeds the thickness specified in a design by ¼ inch or more, shall be recorded as the thickness specified in the design plus ¼ inch.~~

**1704.10.4.1 Minimum allowable thickness.** For design thicknesses 1 inch .....1704.10.4.2 [No change]

**1704.10.4.1 1704.10.4.2 Floor, roof and wall assemblies.** The thickness of the sprayed fire-resistant material applied to floor, roof and wall assemblies shall be determined in accordance with

ASTM E 605, taking the average minus two times the standard deviation of the thickness measurements of not less than four measurements for each 1,000 square feet (93 sq. m.) of the sprayed area on each floor or part thereof.

The CTC will suggest the modification at the Orlando hearings.

## **10.0 Child Window Safety – new area of study**

### **10.1 Working meeting**

During the introduction of this new area of study, the following issues were identified:

- 2006 IBC and IRC have been revised to address this issue, however, the opinion was offered that this is not the final solution to the problem
- 2006 code requirements have not resolved interpretive issues
- 1500 falls per year was cited, however, there is not agreement on this
- Numerous agencies such as CPSC, Home Safety Council, National Safe Kids, Center for Disease Control and Society for Advancement of Violence and Injury Research (SAVIR) have been contacted in the past and acknowledged the problem but have no definitive solution.
- Some view the 2006 code height threshold of 24” as too low

Mike Fischer with WDMA presented a Powerpoint entitled “Window Safety”. Among the issues noted were:

- In many cases, the windows also serve as emergency egress and escape
- Current code provisions limit the number of available windows when used for emergency egress and escape
- There are numerous factors affecting falls, 2 of which are - supervision and furniture placement, which can not be regulated by the code
- There are numerous public service campaigns to alert the homeowner of the hazard

#### **a. Develop Scope and Objectives**

During the meeting a draft of a scope and objectives was presented. The draft was revised and approved by the CTC. The approved S&O will be posted.

#### **b. Establish study group, if needed**

A study group was established, the voting members being:

Dave Collins, Chair

Robert Salvaggio

Ray Kothe

Mike Fischer

Either Jim Sealy or Wayne Jewell

It was noted that any interested party may participate.

## **11.0 2006/2007 Code Development Hearings in Orlando**

The CTC re-capped the positions noted in agenda items 5 – 9.

## **12.0 Old business**

None

## **13.0 New business**

None

## **14.0 Future Meetings/Update CTC Work Plan**

**14.1 CTC Meeting #8: October 19 - 20, 2006: Kansas City; Hotel - KC Airport Hilton**

See also agenda item 7.1 for the scheduled day care study group meeting.

**CTC Meeting #9: December 13 - 14, 2006: Phoenix; Hotel - Wyndham Phoenix**

### **14.2 Establish tentative meeting #8 agenda**

Study group checklist

Guards: E97 public hearing: Study group status report

Day care: Study group report; Working meeting

Balanced Fire Protection: Roof vents public hearing; Height and area working meeting; Study group status report

NIST WTC: Continue evacuation plans public hearing

Child window safety: Study group report; Working meeting

Order to be determined

**15.0 Adjourn**

Chair Heilstedt adjourned the meeting at 1:00 pm on Friday, September 8<sup>th</sup>.

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DRAFT MEETING MINUTES**

**MEETING # 7**

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**List of Attendees**

**Tom Lariviere, IFCC  
Chris Mealy, UMD  
Ted Williams, AGA  
Rick Merck, Montgomery County Fire Rescue  
Gerald Jones, NIBS/MMC  
Robert Wills, AISI  
Frank Laux, USG- R&T  
Cliff Black, USG- ATS  
William Koffel, Koffel Associates, Inc.  
Jake Pauls, Jake Pauls Consulting Services  
Kevin Whorton, NOMMA/Whorton Marketing Research  
Larry Perry, BOMA International  
Garrett Hovest, NADRA  
Tom Zuzik, Artistic Railings Inc.  
Bret Penrod, Pilkington Fire Protection Glass  
Thom Zaremba, Pilkington  
Jim Tidwell, ICC  
Phil Gauthier, GAMA  
Rich Shulte, Schulte & Assoc.  
Devon Bowman, TGP  
Kuma Sumathipaca, American Forest & Paper  
Robert Wessel, Gypsum Association  
Jim Sealy, Self/ICC  
Wayne Jewell, City of Southfield/ICC  
Kevin Kelly, NFSA  
Mike Fischer, WDMA  
Jim Messersmith, PCA  
Dave Frable, GSA  
Bill Johnson, DHI**