



**ICC CODE TECHNOLOGY COMMITTEE
MEETING #11
March 30, 2007**

DRAFT MINUTES

**Embassy Suites Hotel – Atlanta Airport
4700 Southport Road
Atlanta, GA 30337**

March 30, 2007: 8:00 am – 4:00 pm

1.0 Welcome and introductions - Chair Heilstedt

1.1 Call to order; introductions; welcoming remarks

Chair Heilstedt called the meeting to order at 8:35 am on March 30th, welcoming those in attendance and requested self introductions.

Members present (company/representation): Carl Baldassarra (Schirmer Engineering-Vice Chair), Dave Collins (AIA), Dick Bukowski (NIST), Paul Heilstedt (self- Chair), Ray Kothe (NAHB), Marsha Mazz, Brian Meacham (Arup), Ron Nickson (NMHC), Paul Tellez (self)

Members absent: Steve Jones, Robert Salvaggio (resigned from CTC), 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

As modified. Add new item 9.4 BFP Vertical Openings Study Group Report

3.0 Approve minutes of CTC Meeting #10 January 5, 2007

Approved

4.0 Review of NIST WTC Recommendations

4.1 Public Hearing – Public comment to Code change S16 -06/07

Approved.

4.2 2007 Final Action Agenda (FAA) - S5, S16, S39, E2, E137, G63, G72, G73, FS 98

S5: Oppose. It is anticipated that the structural community will bring forward a code change in the 2007/2007 cycle to deal with progressive collapse.

S16: Support if standard is available. This is CTC's public comment. Status of the new standard is not know at this time.

S39: Support

E2: Support. Also look to see if NIBS/MMC is interested in supporting the change.

E137: Oppose. The basis for the 50' is not documented.

G63: Support

G72: Oppose. Too restrictive. There is a concern as to the feasibility of designing such a configuration.

G73: Oppose. The load is not supported in terms of the type of event that is being designed for.

FS98: Oppose. Not strong opposition as there are no technical issues, however, the text does not do anything to enhance the code.

4.3 Review of Recommendations for possible 2007/2008 code change consideration

The CTC looked towards “low hanging fruit” for this first cycle (06/07 cycle) and the Ad Hoc TRB addressed many of the issues of the NIST report even though CTC did not support the TRB as the documentation was viewed as lacking.

The issue of occupant use of elevators is currently being investigated by the ASME activity. It is not known at this time the progress of this effort relative to the upcoming 2007/2008 cycle.

It was noted that there is an April/2008 Egress conference that is being contemplated. The CTC will monitor this activity.

The CTC will discuss the status of its work on the NIST Report at the June meeting and determine/develop possible 2007/2008 code changes.

5.0 Carbon monoxide alarms

5.1 2007 FAA – M41, RB109, RB110

M41, RB109, RB110: Opposed to the code changes.

6.0 Climbable Guards

6.1 NOMMA research program update

NOMMA has received feedback on the RFP and has chosen the NAHB Research Center to perform the work. They are optimistic of some deliverables by the June CTC meeting. The contract is a literature review, there is no testing to be performed as part of the contract. The deliverables also include a computer model but it is not a predictive-type of model.

A copy of Elliott Stephenson’s March 8, 2007 letter to the ICC CTC and memo to the ICC Chapter Representatives was distributed and discussed. The CTC noted that proposed code change E96 Part I retains the 4” maximum spacing limitation for openings below 36 inches. The increase to 4 3/8 inches is only for that portion of the guard that is

above 36 inches in height.

6.2 Study Group status report

None. SG work pending deliverable on NOMMA work.

6.3 2007 FAA – RB103, RB104, RB105, RB106, E96, E98

RB 103: Support CTC public comment.

RB104 & RB105: Oppose. CTC prefers text of E96

RB106: Oppose the increase in opening size from 4” to 4 3/8”.

E96: Support CTC public comment.

E98: Oppose. ICC 300 does not cover all applications. For example, it does not cover decks attached to a house with a seat-board.

6.4 Queensland Injury Surveillance Unit data

In December/2006, ICC received an email from Dr. Ruth Barker, Emergency Paediatrician, Mater Children’s Hospital and Queensland Injury Surveillance Unit concerning a Power Point slide entitled “Published Queensland Study 2004 Why results differ from Dallas Study” from the posted “Zuzik_Presentation092205”. Tom Zuzik notes that:

- Queensland study included falls through guards
- The guard configuration and the guard itself was not the sole reason for the falls

The CTC notes that if the data from the study is being viewed as being used out of context, the slide needs to be revised.

Action: Staff to remove the posting of the entire Power Point. The presentation will not be re-posted until the slide is revised by Tom Zuzik. Prior to re-posting, the slide is to be forwarded to Dr. Barker for her review.

7.0 Care facilities (formerly Day Care/Adult Care/Assisted Living)

7.1 Revised scope

It was noted that the ICC Board has revised the scope of this area of study to “Care facilities”, which includes ambulatory care. This expanded scope came as a result of code changes submitted in the current 2006/2007 cycle dealing with such operations. As a result of this expanded scope, it was reported that the study group has seen a considerable increase in participation from interested parties.

7.2 Study Group status report

See 7.1. The current draft is Working Draft 4. It is anticipated that the SG will continue with conference calls in anticipation of a comprehensive Working Draft 5 dealing with “Care facilities”. A SG meeting is tentatively scheduled for June 18th in Cincinnati, to be followed by a working meeting of the CTC on this subject on June 20th.

7.3 Working meeting

None.

7.4 2007 FAA – G38, G46

G38: Support CTC public comment and Public comment #3.

G46: Oppose. The issue is one of the level of accessibility provided for Group R-3 vs A-3 occupants. It was noted that I-4 and R-3 occupancies are sprinklered in the IBC and A-3 are not unless the threshold is exceeded. The vote to oppose the public comment was 8 - 1 (Mazz).

8.0 Child Window Safety

8.1 Study Group status report

It was noted that there are industry devices – secondary latching devices - that limit the window opening to 4". Discussion:

- Devices are fairly common on double hung windows
- There is no industry standard on the design and/or operation of such devices
- There is no industry standard as to what to call such devices
- The exceptions to Sections 1405.12.2 and R613.2 of the IBC and IRC, respectively, are for window guards
- There is a public education component to this issue and it is difficult to control furniture location in close proximity to windows
- Minimum sill height may or may not be the answer. A standard for window safety may be required
- Secondary latches may violate the code requirements for emergency escape and rescue openings

It is anticipated that the SG will continue with conference calls in anticipation of possible code changes for 2007/2008 for CTC consideration in June. A SG meeting may be called.

8.2 Working meeting

None

9.0 Balanced Fire Protection

9.1 Features (formerly Height and area) Study Group status report

The Features SG met on March 28th. The SG:

- Is developing a white paper on height and area and the activities of the group
- Is looking at code issues beyond height and area.
- Developed Procedures in order to move issues forward. The Procedures call for agreement by 75% of the members of the group to move an item forward and at least 50% of the members of the SG must vote in the affirmative.
- The NASFM representative has resigned from the SG
- The next meeting is tentatively set for April 24 - 25

The CTC questioned the SG Procedures as they differ from the voting majorities required for both the CTC and the other SG's – simple majority of those present and voting is required to move an item forward. The CTC appointed Carl Wren as a member of the Features SG.

9.2 Methodology Study Group status report

The Methodology SG met on March 29th: The SG:

- Reviewed their March 9, 2006 work plan

- Worked on Task #2 of the work plan – definitions
- Noted the next task is Task #4- identify parameters which constitute levels of safety
- Will meet via conference calls in the upcoming months
- Lacks a Vice Chair

It is anticipated that the SG will continue with conference calls.

9.3 Roof vents Study Group status report

The Roof vent SG has been meeting via conference calls. The SG:

- Was informed that there may be a vacant military base in CA that can be used as a roof vent test case
- Lacks a Chair with Robert Salvaggio resigning. Carl Baldassarra has filled this role as the Vice Chair. As a result of Robert leaving, the SG lacks a fire service representative
- Has an approved work plan (dated 2/22/07). It was indicated as fairly lengthy in terms of scope - 17 items. To date, the SG is still on #2a – determine the purpose/intent of code requirements for smoke/heat vents.
- Is comprised of members with fairly entrenched views such that it may be difficult to reach consensus

Discussion:

One option is to assemble the information to date and present to the CTC – let the CTC decide the course of action. Opposition was voiced to this direction as the SG has only met in 3-4 conference calls to date and needs more time to allow the SG process to work. Many of the issues/questions have not been framed yet as we are still on #2a – need more time to let it work.

Absent progress from the SG, the CTC notes that this issue needs to be summarized and presented to the CTC. Including:

- Statement of the issue(s)
- Summary of facts in favor of the code requiring roof vents
- Summary of facts in opposition to the code requiring roof vents

9.4 (NEW) BFP Vertical Openings Study Group Report

The SG held their first meeting on March 29th. A discussion draft was distributed and discussed. The draft proposes a “clean sheet” approach to establishing fire/smoke migration methodology. There was considerable discussion and input received during the meeting and a revised discussion draft will be generated and circulated. This will serve as the basis for follow conference calls and then a tentative meeting is planned for June 18th. The SG anticipates work product for the CTC’s review at the June CTC meeting.

9.4 Working meeting

None.

9.5 2007 FAA – Height and area code changes

The CTC approved a motion that the Features SG and the CTC are free to speak for/against public comments in Rochester at the 2007 Final Action Hearings.

10.0 CTC procedures

10.1 Review CP #5

10.2 Responsiveness of CTC to code development issues

These two items were combined. It was noted that the current CTC process was patterned after the BCMC process which involved the three legacy codes and NFPA. The BCMC was the forum from which work product was forwarded to the 4 mutually exclusive venues, each with different schedules of code development. As such, the formality of a public hearing was needed. The same is not true for the current CTC where it is one group and one code development schedule.

In the current CTC process, the public hearing is a formality. Issues before the CTC are vetted in both the study groups and then ultimately in the CTC. There is no need for the additional step of the public hearing provided all interested and affected parties are made aware of the agenda of the CTC in order for them to decide if they are interested in participating. The meetings of the CTC should be the forum to allow the CTC to make final decisions – no differently than other ICC committees such as the Ad Hoc Committee on Terror Resistant Buildings and Wall Bracing. These committees make decisions which are then processed through the ICC Code Development Process.

It was further noted that the CTC's main purpose is to participate in the ICC Code Development Process and that the terms of the CTC members need to be staggered to allow for continuity and institutional knowledge to be carried forward.

A motion passed to support revisions to CP#5 to accomplish the objectives noted above and to forward the revisions to the ICC Board for their consideration.

11.0 Old business

The CTC noted that if materials are to be considered by either the CTC or the study groups, they are to be forwarded to staff first in order for staff to have the complete record of documents. Staff will then distribute.

12.0 New business

12.1 Attendance and representation of CTC at 2007 FAH

The CTC discussed preliminary arrangements regarding CTC member attendance at the hearings. This will be subject to further establishment of travel schedules.

13.0 Future Meetings/Update CTC Work Plan

CTC Meeting #12: June 19 – 20, 2007

The CTC confirmed June 20th in Cincinnati for the CTC meeting. Study group meetings of Care facilities and Vertical openings are tentatively slated for June 18th and Features on June 19th. Tentative CTC agenda:

- NIST WTC working meeting
- Guard research study presentation & SG report (if any)
- Care facilities SG report and working meeting
- Child window safety SG report and working meeting
- BFP Roof vent SG presentation of issues and possible working meeting
- BFP Vertical openings SG report and working meeting
- BFP Methodology SG report
- BFP Features SG report and working meeting

- Results of 2007 Final Action Hearings
- Review of CTC Procedures

CTC Meeting #13: October 4 - 5, 2007

Two days have been set-aside following the 2007 Annual Educational Conference for CTC and possible study group meetings.

CTC Meeting #14: December 4 – 6, 2007; Chicago

Three days set-aside for CTC and possible study group meetings.

13.2 Establish tentative meeting #12 agenda

See above

14.0 Adjourn

Meeting adjourned at approximately 3:45 on March 30th

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

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List of Attendees

Robert Wills	AISI
Greg Keith	The Boeing Company
Thom Zaremba	Fire Rated Glazing Industry
Craig Beyler	Hughes Assoc. for AAMA SVTG
Rich Schulte	Schulte & Assoc.
Jeff Inks	NAHB
Diana Hanson	NADRA
Dave Cooper	SMA
J. R. Molins	NOMMA
Todd Daniel	NOMMA
Tony Leto	
Barbara Cook	NOMMA
Julie Ruth	AAMA
Carl Wren	IAFC
Sam Francis	AF&PA
Jim Messersmith	PCA
A. L. Sisco	NAAMM
James Minter, Jr.	NOMMA