



**ICC CODE TECHNOLOGY COMMITTEE
MEETING #12
June 20, 2007**

DRAFT MINUTES

**Hilton Cincinnati Netherland Plaza
35 West Fifth Street
Cincinnati, OH 45202**

June 20, 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 8:05 am on June 20th, welcoming those in attendance. Prior to self introductions there was a moment of silence for the fallen fire fighters from the recent furniture warehouse fire in Charleston, South Carolina.

Members present (company/representation): Carl Baldassarra (Schirmer Engineering- Vice Chair), Dick Bukowski (NIS), Ron Clements (Chesterfield, VA), Dave Collins (AIA), Paul Heilstedt (self- Chair), Steve Jones (Milburn, NJ), Marsha Mazz, (US Access Board), Ron Nickson (NMHC), Paul Tellez (Phoenix, AZ), Carl Wren (Austin, TX)

Members absent: Ray Kothe, Brian Meacham, 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

Approved

3.0 Approve minutes of CTC Meeting #11 March 30, 2007

Approved

4.0 Administration

4.1 CTC procedures - revised CP #5

Staff identified the revisions to the CTC procedures that were approved by the ICC Board at their May/2007 Board meeting. The scope and intent of these revisions were previously discussed at the March/2007 CTC meeting. Discussion:

- If an item is on the CTC agenda, then CTC can take formal action.
- Work product developed by CTC Study Groups and the CTC requires a copyright release. Staff will be following up on this.

4.2 CTC procedures - study groups

The CTC reviewed the CTC Features Study Group procedures dated April 24, 2007. Discussion:

- The genesis of this SG was height and area code changes from the 2006 Orlando Code Development Hearing. As noted in the January/2007 CTC minutes, height and area changes submitted by this group are submitted directly into the code development process and CTC can take a position for or against as they deem appropriate.
- All other non height and area changes are considered a CTC SG product and are submitted to the CTC for consideration and action, no differently than any of the other CTC SG's.

A question was raised as to whether or not the Features SG procedures should be used for all SG's or vice versa. The CTC concluded this was not necessary.

4.3 CTC membership

As of May/2007 Board action, the CTC now has two new members, both in attendance at this meeting: Ron Clements and Carl Wren.

5.0 Review of NIST WTC Recommendations

5.1 2006/2007 Cycle results: S5, S16, S39, E2, E137, G63, G72, G73, FS98

S5: No action. It is CTC's understanding that the structural community will be proposing code change(s) dealing with structural continuity and possibly progressive collapse.

S16: Resubmit based the public comment in anticipation of the ASCE Wind Tunnel test standard being completed.

S39: No action

E2: Resubmit based on public comment. While there is still some question as to the best location to place such text (e.g. Ch 1, Ch 10, Ch 34, etc), Chapter 10 is viewed as the most appropriate.

E137: No action

G63: No action. The ASME A17.1 elevator standard has yet to catch up with the approach of elevators used for fire fighting. The CTC will continue to monitor the ASME activity. The question of occupant use of elevators was brought up. It was noted that NIBS/MMC may pursue this in the 2007/2008 cycle and if they do, CTC will review at the next meeting.

G72: No action

G73: The CTC notes a concern that the threshold for hardening the stairs is arbitrary and the event basis is not evident. New York City includes an amendment to address impact resistance based on ASTM C1629. CTC has requested this item to be placed on the next meeting agenda.

FS 98: No action

5.2 Working meeting

The CTC revisited the issue of repeaters, noting the amendment that is in place in Montgomery County, MD is a good start for a code change but needs a considerable amount of work.

Discussion:

- This involves equipment that is to be maintained by the building owner
- Different fire departments may have different technologies/capabilities – creates a challenge for model code language
- City of Austin, TX is looking into retroactive requirements

The CTC created a task group to develop and submit a proposal for the 2007/2008 cycle and CTC will review at the next meeting. The task group is comprised of: Carl Baldassarra, Ron Clements, Dave Collins, Tom Lariviere and Carl Wren.

The CTC discussed the issue of the third stair required by G71-06/07, noting:

- Third stair should be a function of occupant load, not strictly based on height
- What about small upper floors for which egress capacity is not a significant issue
- May relate to hardening of stairs

The CTC created a task group to look at this issue and report at the next meeting. The task group is comprised of : Carl Baldassarra, Dick Bukowski, Dave Collins, Marsha Mazz and Carl Wren

6.0 Carbon Monoxide Alarms

6.1 2006/2007 Cycle results: M41, RB109, RB110

No action

7.0 Climbable Guards

7.1 2006/2007 Cycle results: RB103, RB104, RB105, RB106, E96, E98

No action. Tom Zuzik submitted a proposal for the CTC to consider for the next cycle. The proposal is basically the same as the submitted public comment to E96 with a notable difference being the insertion of the word “required” relative to guard height and in-fill. The intent is that only guards which are required need to comply with the provisions for height and in-fill as they serve a distinct purpose. The CTC will submit for next cycle.

7.2 Research program presentation

Thomas Kenney with the NAHB Research Center, presented an overview on the Guard Climability Research Project. Of note:

- The project kick-off was April 25th
- Dr. Alan Hege with Humanuse Inc. is the researcher
- Focus is reviewing existing relevant information on:
 - Child injury data due to climbing
 - Relationship of design features and ability/likelihood of children to climb
 - Documentation of cognitive and anthropometric data for children relative to climbing
- Schedule going forward
 - July 25th: Draft literature review document
 - Aug 3rd: Final literature review and analysis summary report
 - Aug 3rd: Draft test proposal
 - Aug 17th: Final detailed test proposal

A status report will be provided at the next CTC meeting.

7.3 Study Group status report

None. A request was made and approved by the CTC to have Chris Connelly and Doug Bracken to serve as alternates to Tom Zuzik on the SG.

8.0 Care Facilities

8.1 2006/2007 Cycle results: G38, G46

No action. With the SG draft progressing, CTC is not in a position to submit code changes for the next cycle.

8.2 Study Group status report/Working meeting

Steve Jones presented the latest draft based on the SG meeting held earlier in the week. To date, the SG has developed 5 working drafts. Of note:

- Delete Groups I-1, I-4 and R-4
- It is Group A-3 if occupants capable of responding to an emergency
- The need for “physical” assistance is important within the context of responding to an emergency
- Where a sprinkler system is to be required, it is to be provided throughout the fire area
- A sprinkler system is required:
 - Where there are 5 or fewer individuals receiving care
 - Where more than 5 but less than 16 as classified as R-3 and the rooms where care is provided are on the level of exit discharge with a door leading directly to the

- o exterior
 - o Smoke compartments containing sleeping units
- Ambulatory care facilities require:
 - o Sprinklers if:
 - More than 4 care recipients at the level of exit discharge
 - One or more care recipients located at other than the level of exit discharge
 - o Smoke compartments and areas of refuge
- Fire alarms are required:
 - o Corridors in nursing and similar facilities
 - o Ambulatory health care exceeding 5,000 square feet

Currently draft 1 of the care facilities report is posted. This latest draft, draft 2, will be posted and on the agenda for the next meeting.

9.0 Child Window Safety

9.1 Study Group status report/Working meeting

The June 15th version of the SG proposal was presented to the CTC. The SG notes that they have not spent much time on the issue of minimum sill height but rather have been focusing on window fall prevention devices such as latches and screens. Discussion:

- SMA 1004, the proposed standard to regulate fall prevention devices is not the correct standard. It should be SMA 6001.

The CTC directed the SG to continue with the development of this proposal and submit for the next cycle. It will be placed on the next meeting agenda.

10.0 Balanced Fire Protection

10.1 2006/2007 Cycle results: G10, G99 through G108, G110, G113, G115, G122

No action. The code changes which are directly related to the Features SG were either disapproved or withdrawn.

10.2 Roof vents Study Group status report/Working meeting

The roof vent SG is still struggling with the fact that it is a small SG (three voting members) with most members and interested parties having an entrenched view of the subject matter. It was noted that there is testing planned for a vacated military base in California. At the March CTC meeting, due to the current impasse, CTC directed the participants to prepare their respective cases for CTC consideration. Discussion:

- The SG developed a work plan, let the SG continue its review in accordance with the work plan
- The approved work plan includes some 18 items and the SG has only been addressing item 2
- The testing may start as early as October when the buildings are scheduled for being demolished. It was noted that the dates are not firm.
- Can the testing incorporate current code requirements? This can be used to evaluate the 06/07 proposals by Rich Schulte.
- Options:
 - o Option 1: Let the SG to continue with an expanded group of voting members
 - o Option 2: Present issues, for and against, as noted at the March meeting.

The CTC directed this activity to proceed as follows:

- Present factual information before the CTC and let the CTC decide. This to occur at the December meeting in order to allow for the incorporation of the test results this fall
- Participants to send information to CTC well in advance of meeting
- Each side to have approximately 30 minutes to present their findings

The SG was expanded to include CTC members Carl Wren and Ron Clements.

10.3 Vertical opening Study Group status report/Working meeting

The VO SG met earlier in the week to review the latest draft for a possible code change. At the conclusion of the SG meeting, the group was not in a position to agree to a comprehensive re-write of Chapter 7 based on the proposed smoke migration premise. They may be in a position for a more “surgical” approach to dealing with Chapter 7 which may result in focused Chapter 7 code changes.

The SG make-up was revised as follows:

- Sarah Rice to replace Carl Baldassarra
- Kurt Roeper to replace Sam Francis

10.4 Features Study Group status report/Working meeting

The Features SG met earlier in the week to develop a plan going forward for the 07/08 cycle. The SG has a 3 day meeting planned for August which will be the forum to develop their proposals. At the SG meeting, there was a presentation on risk assessment methods for the Features SG to consider. The SG approved a draft plan to look at the proposed method. Staff will investigate the possibility of posting the Power point presentation.

Sean DeCrane was appointed to the SG.

10.5 Methodology Study Group status report

As noted in previous CTC meetings, this activity is somewhat on hold. As to its future, Brian Meacham has resigned as Chair and CTC views it important to secure Brian’s input on this effort before making a decision. On a related note, see item 10.4 regarding risk assessment methods.

11.0 Old business

None

12.0 New business

During the meeting, it was noted that while agenda items such as 5.1 are indicated as an update on the 2007 cycle results, the intent was that this agenda item was also to serve as a working meeting in order for CTC decide a course of action on these issues. It was noted that staff should call such agenda items “working meeting” in the future to distinguish between an informational item versus an action item.

13.0 Future Meetings/Update CTC Work Plan

13.1 CTC Meeting #13: October 4 - 5, 2007

CTC Meeting #14: December 4 – 6, 2006 in Chicago

Three days are set-aside to allow for SG meetings as well.

13.2 Establish tentative meeting #13 agenda

- NIST WTC: repeaters, hardened stairs, third stair, wind tunnel tests, TRB follow-up proposals (if any), elevators
- Balanced fire protection: Vertical Opening SG related changes, Features SG changes
- Care facilities: draft 2
- Child window safety: window fall prevention devices
- Climbable guards: Follow- up code changes, research study
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14.0 Adjourn

The meeting was adjourned at approximately 4:30 on June 20th.

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DRAFT MINUTES

List of Attendees

Greg Keith	The Boeing Company
Thom Zaremba	Pilkington
Rich Schulte	Schulte & Assoc.
Diana Hanson	NADRA
Dave Cooper	SMA
Todd Daniel	NOMMA
Tony Leto	NAAMM
Julie Ruth	J Ruth Code Consulting
Sam Francis	AF&PA
Jim Messersmith	PCA
Thomas Kenney	NAHB Research Center
Doug Bracken	self
Tom Zuzik, Jr.	Artistic Railings
Rich Walke	UL
Paul Simony	Acralight
Rick Thornberry	The Code Consortium
Lee Rodrigue	NOMMA
David Dratnol	Isolatek
Gerry Fitzgerald	Isolatek
Vickie Lovell	Intercode, Inc.
Mike Ashley	AFSCC
Tom Lariviere	IFCC
Wayne Jewell	City of Southfield, MI
Kristine Oppong	Nystrom, Inc.
Kraig Palmer	APC Dayliter
Anthony Bruzzese	APC Dayliter