



**ICC CODE TECHNOLOGY COMMITTEE
MEETING #9
December 13, 2006**

DRAFT MINUTES

**Wyndham Phoenix
50 E. Adams Street
Phoenix, AZ 85004
(602) 333-5000**

December 13, 2006: 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 8:00 am on December 13th, welcoming those in attendance and requested self introductions.

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

Members absent: Shahriar Amiri, 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 as revised – add 12.2 Election of Chair and Vice Chair.

The different agenda items which include public comments to the different code changes were heard as a single agenda item.

3.0 Approve minutes of CTC Meeting #8 October 19 - 20, 2006

Approved.

4.0 Balanced Fire Protection

4.1 Height and area Study Group report/Working meeting

Dave Collins briefed the group on the progress made in the H&A study group. This included identification of possible changes to Table 503 to address:

- Revisions to correlate the values in the table with the maximum legacy code value
- Revisions to reduce the height for certain occupancies in Types IIB and IIIB construction
- Revisions to increase the height for Groups R-1 and R-2 based on a trade-off for smoke compartmentation

Dave also noted the formation of a task group to study the purpose and philosophy of height and area – for both the current IBC and long term consideration in the IBC. Dave further outlined the relationship of the study groups efforts as they relate to the CA adoption process.

1/5/06: Public comment consideration of:

- Table 503 max values based on legacy codes
- Type IIB and IIIB height revisions
- Group R-1 and R-2 height revisions
- H&A long term white paper

1/29/06: CA adopts current package

May/07: Rochester Final Action results in 2007 Supplement

Sept/07: CA reviews 2007 Supplement and considers it in rule making. It was noted that if the H&A code changes are not successful in Rochester, then they would not be considered in the CA review.

Summer/08: CA will not pursue the prohibition on increases for height and area for NFPA 13 systems or the maximum building size reduction below the “3X” rule.

It was noted that due to the timing and process by which the H&A study group was formed – in response to the Orlando height and area code changes – the reporting function of this study group is a bit different than other CTC study groups. This group was appointed by the CTC and includes 3 CTC members. However, the group will not finish its 2006/2007 code change related work until the January meeting and if this group goes forward with a public comment (s) [due January 24th], the timing is such that the CTC will hold a public hearing at the March meeting. The study groups public comment will stand as submitted and the CTC public hearing will allow the CTC to establish its position on the height and area study groups public comment(s) for purposes of the Rochester Final Action Hearings.

4.2 BFP Study Group status report

The BFP Study Group has been on hold since the height and area activities have taken precedence. The relationship of the BFP SG and the task group on height and area philosophy needs to be reviewed and a plan determined as to how to mesh these two or at least coordinate the efforts.

4.3 Smoke and heat vents Study Group status report

No report. As to full scale testing, Ron Nickson noted that there may be building in Orange County, CA that can be used for testing. It was also noted that UL is also aware of the EPA full scale testing concerns and that the issue is ventilation.

4.4 Proposed work plan for possible specific code issue - smoke migration (Greg Keith)

Greg Keith presented two handouts, entitled: “Balanced Fire Protection – Floor to floor fire and smoke migration requirements” and “Balance Fire Protection – Sample technical provisions”.

As noted in one of the handouts, the problem is stated as “Develop a rational floor-to-floor fire and smoke mitigation strategy. Create consistency in supporting terminology and technical requirements”.

The handouts provide illustration of where the provisions of Chapter 7 of the IBC are internally inconsistent and a propose re-formatting of Chapter 7 to include all the opening protection provisions, including: shafts; floors; walls; doors; glazing; and dampers in a single section.

It was noted that while the code is not “broke” in terms of life safety, there are inconsistencies that need to be fixed. Since it was not viewed as a pressing code issue, coupled with the other areas of study on the CTC’s agenda, it was decided to create a study group with the study group periodically reporting their findings to the CTC. Study group members:

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Dick Bukowski, CTC, Chair
Carl Baldassarra, CTC
Greg Keith
Bill McHugh
Vickie Lovell

5.0 Review of NIST WTC Recommendations

5.1 Public comment – Code changes E2, G63 & S16 -06/07

The CTC reviewed the draft of the public comments and took the following action:

E2: Submit as drafted.

G63: Submit as drafted.

S16: Submit as drafted. Staff to inquire to ASCE as to status of standard.

S17: Staff to work with proponent of S17 to submit a joint public comment to either S16 or S17, correlated with the CTC public comment of S16. Reconsider at next meeting.

The CTC was asked by the NIBS/MMC WTC committee to revisit the two code changes which dealt with robustness of stair enclosures – G70 and G73-06/07. The CTC affirmed its position on G73 and is not in support of this code change. The CTC also indicated that it would not support G70.

6.0 Climbable Guards

6.1 Public comment - Code changes E96 & RB103-06/07

The CTC reviewed the draft of the public comments and took the following action:

E96: Add two sketches. One illustrating the specific details on how to make the measurement (see the public hearing document on Interim Report No.2) and another as diagram which illustrates the picture noted in 5.1 of Meeting #8 minutes.

RB 103: Submit as drafted.

6.2 Study Group status report – Researcher and methodology

Prior to introducing this agenda item, it was correctly noted that this is not a study group report but rather a NOMMA research program update. A Power Point entitled “NOMMA & NOMMA Education Foundation Research Program” was presented by the following:

Todd Daniel, NOMMA staff
Chris Connelly, NOMMA President
Lee Rodrique, MOMMA member
Kevin Whorton, NOMMA member

The presentation noted that an RFP has been issued, 25 possible candidates were identified and NOMMA has reduced the number of candidates to four finalists. It was noted that throughout the study, there will be opportunities for peer review. The issue of age was raised, noting that the target age in the RFP was 3 years of age and that should be increased to 4.

The tentative timeframe is:

- January 2007 - Retain research provider, pending NOMMA Board approval
- March 2007 - Produce findings
- April 2007 - Create draft proposals based on findings
- June 2007 - Submit proposals to CTC for public hearing
- August 2007 - Submit proposals for the next code cycle

One of the four finalists, Mark Guapagnoli with Triad Consulting, noted two of the key issues in the study: physical capability of the target age to climb a guard and cognitive capability of the target age to determine whether or not, based on developmental age, the child knows whether or not there is a hazard associated with climbing.

A question as to the status of the study group was raised. The study group will remain intact, as a conduit between the CTC and industry.

The CTC made it clear that the research program being undertaken was under the sole ownership of NOMMA. As an industry study, the ICC, CTC nor the study group had any ownership in this activity nor is it in a position to endorse the activity. NOMMA is interested in feedback from the CTC as well as interested individuals, but ultimately the decision to proceed and how to conduct the study rests with NOMMA.

Steve Stephenson presented the following handouts to the CTC:

- “An open letter to the members of the International Code Council and members of its Code Technology Committee’ dated December, 2006
- A December 13, 2006 memo with the subject line “Building code provisions related to climbable guards”
- An undated document entitled “Proposed revisions to Chapters 2 of both codes”
- An article from the May/June 1999 Southern Building entitled “Climbable guards- an unnecessary hazard to children, part II”

Steve reinforced the need to:

- Maintain the maximum 4” baluster spacing on guardrails. He demonstrated that it may be possible for a child’s head with a diameter of 5” to pass through the opening due to parts of the face being capable of compressing.
- Maintain the maximum 6” spacing at the tread/riser opening
- Address the issue of climbability, especially in occupancies such as child care centers, malls, assembly halls, homes and apartments. He voiced concerns that the industry had not responded to this issue and its been over 13 years. Footholds with any horizontal element that exceeds 2 inches represent a foot hold for a child.
- Maintain a minimum 42” high guard, especially at locations where the height is 20 feet.

7.0 Carbon Monoxide Alarms

7.1 Public comment – M41-06/07

The CTC reviewed the draft of the public comment and took the following action:

M41: Revise the reason statement for consideration at the next meeting, include contemporary issues such as expected life of the devices.

8.0 Day Care/Adult Care/Assisted Living

8.1 Public comments – Code changes G38 - 06/07

The CTC reviewed the draft of the public comments and took the following action:

G38: Submit as drafted.

8.2 Study Group status report

Study group chair Steve Jones noted that he had sent out Working Draft 3 to numerous state agencies for comment and has not heard back from any of them. Marsha Mazz indicated she will follow up with a submittal to some federal agencies for their comment. Issues such as requirements for sprinklers are often addressed via state and local legislation which is beyond the scope of this effort.

The study group will have an updated draft for the next meeting.

9.0 Child Window Safety

9.1 Study Group status report

No report. It was indicated that the study group should plan a one-half day in conjunction with the next CTC meeting, probably the day before.

10.0 Establishment of Study Groups

10.1 Review checklist of key considerations when appointing a study group

Dave Collins presented a draft of study group procedures that he and Diana Hanson had developed. The procedures were approved (see Attachment A to these minutes), noting:

- The procedures should be retrospectively applied to all study groups
- Balance of representation is a key concern. Goal is to achieve a balance of users, producers and regulators - but if not achieved, it need not be a limiting factor in the make-up of the study group.

11.0 Old business

None

12.0 New business

12.1 CTC member terms

Extended through December 31, 2007. The ICC Steering Committee will be reviewing the terms and developing a plan by which member terms will be staggered.

12.2 Election of Chair/Vice Chair (new item)

Chairman Heilstedt was re-elected as Chair.

Vice chairman Baldassarra was re-elected as Vice Chair.

13.0 Future Meetings/Update CTC Work Plan

13.1 CTC Meeting #10: January 5, 2007 Orange County, CA

CTC Meeting #11: March 29 – 30, 2007

Staff note: Possible location is Chicago or Birmingham

CTC Meeting #12: June 19 – 20, 2007

Staff note: Possible location is Cincinnati

CTC Meeting #13: October 4 - 5, 2007

CTC Meeting #14: TBD

13.2 Establish tentative meeting #10 agenda

Balanced fire protection: Public comments of the H&A study group; BFP study group relative H&A activities; smoke and heat vent study group report; fire/smoke migration study group report

NIST WTC: Public comment on S16/S17

Climbable guards: NOMMA research program update; study group report

Carbon monoxide alarms: Public comment on M41

Day care: Study group report

Child window safety: Study group report

14.0 Adjourn

The meeting was adjourned at 1:50 on December 13th.

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Attachment A

ICC CODE TECHNOLOGY COMMITTEE

STUDY GROUP PROCEDURES

(Approved 12/13/06)

Criteria for CTC Appointment of a Study Group

Study Groups may be appointed by the CTC when it becomes apparent that the charge given the CTC by the ICC bears further study and review than may be accommodated during normal CTC meetings.

Operating procedures for Study Groups

A. A Study Group shall perform the following activities in developing its Work Product:

1. Receive the specific charge/scope and objectives from the CTC
2. Identify supporting documentation
3. Identify options for consideration and direction to the CTC
4. Be responsible for communicating SG recommendations to the CTC via regular reports and request placement on CTC Meeting agenda(s) as necessary
5. Respond to CTC requests for information and/or progress reports.

B. Composition and Procedure: A Study Group shall operate under the following guidelines:

Participants: The Study Group shall be comprised of representatives of affected and identified interests; members from industry, code officials, experts in the field, affected parties, advocates, etc.

1. Governance: A minimum of two CTC representatives shall be assigned to each study group. One of the CTC members shall be chairman as appointed by the chairman of the CTC. The chairman shall be responsible for reporting to the CTC. The number of voting members shall be based on ensuring balance among the interests.
2. Meetings: A Study Group may meet in person at venues agreed to or via teleconference/Web meeting. In addition, a Study Group may schedule in-person meetings in conjunction with CTC meetings so long as they are not held simultaneously.

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List of Attendees

Robert Wills	AISI
Rich Walke	UL
Greg Keith	The Boeing Company
Diana Hanson	NADRA
Brian Sause	NAHB
Dave Cooper	SMA
Tom Zuzik	Artistic Railing
Todd Kinniken	Eureka Forge
Jason Thompson	Masonry Alliance for Codes & Standards
Jim Messersmith	PCA
Robert Polk	NASFM
Allison Crowley	NASFM
Kate Flower	DHI
Jerry Razwick	Technical Glass Products
Thom Zaremba	Fire Rated Glazing Industry
Craig Beyler	Hughes Assoc. for AAMA
Carl Wren	Austin Texas Fire Dept./IAFC
Rick Thornberry	The Code Consortium
Sam Francis	AF & PA
Larry Perry	BOMA Int'l
Dave Frable	GSA
Todd Daniel	NOMMA
Rodger LaBrash	NOMMA
Steve Stephenson	Consulting Engineer
Joe Garcia	General Contractor
P.J. Philip	P.J.'s Elegant Iron Works
Chris Connelly	NOMMA
Rich Walke	UL
Bill McHugh	Firestop Contractors Inst. Assoc.
John Crull	The Boeing Co.
John Rowlingson	Arizona State Fire Marshal
Kevin Whorton	NOMMA
Bob Lee	Town of Paradise Valley
Forrest Fielder	City of Surprise Az.
Jeff Razwick	Technical Glass Products
Don Weiss	TPAC
Ted Donovan	Artistic Iron
Mark Guapagnoli	Triad Consulting
Lee Rodrigue	Oregon Steel Detailing/NOMMA
Gene Garrett	Regency Railings Inc.
Gary Goodell	Sunrise Engineering
Curt Witter	Big D Metalworks/NOMMA