



**ICC CODE TECHNOLOGY COMMITTEE
MEETING #19
April 26 – 27, 2010**

**MINUTES
Four Points Sheraton Chicago O'Hare
10249 W. Irving Park Road
Schiller Park, IL 60176**

Monday, April 26: 1:00 pm – 5:00 pm
Tuesday, April 27: 8:00 am – 4:00 pm

Staff note: Minutes approved on September 24, 2010 conference call.

1.0 Welcome and introductions - Chair Heilstedt

1.1 Call to order; introductions; welcoming remarks

Chair Heilstedt called the meeting to order at approximately 1:00 pm on April 26th, welcoming those in attendance.

Members present (company/representation): Mike Ashley (Alliance for Fire & Smoke Containment & Control); Carl Baldassarra (The RJA Group - Vice Chair), Ron Clements (Chesterfield, VA), Dave Collins (AIA), Jimmy Deer (City of Fort Smith), Barry Gupton (North Carolina Department of Insurance), Jim Hansen (New York City Fire Department), Paul Heilstedt (self- Chair), Wayne Jewell (Southfield, MI), Ron Nickson (NMHC), William Schock (San Leandro, CA), Maureen Traxler (City of Seattle), (Carl Wren (Austin, TX)

Members absent: Bill Bell (resigned), Wade Hill, Ray Kothe, Mike Love

Staff liaison: Mike Pfeiffer

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

2.0 Approve agenda

Move 4.2 to after 12.0.

3.0 Approve minutes of CTC Meeting #18 September 8 – 9, 2009

Approved.

4.0 Administration

4.1 2010 Dallas Final Action Hearings. Whose available?

Staff to assemble a list of those who are planning on attending.

4.2 ICC Board Report – CTC Status Update

Item moved to the end of the agenda. CTC members to send comments to staff.

5.0 Carbon Monoxide Detectors

**5.1 a. Working meeting – Review of 2010 Public Comments
F133, RB60**

F133: CTC position to date is to oppose mandatory requirements.

- Requires retroactive installation.
- Currently used in New Jersey – no false alarms. The only way to provide early warning.

- New standards address false alarms.
- Need to replace every 5 years.
- No CTC position

RB60: For existing buildings, should it be driven based on a permit? CTC support of PC#2 because it is permit driven.

6.0 Child Window Safety

6.1 Working meeting – Review of 2010 Public Comments RB122, RB123

RB122, Part I: Support As Submitted. Increase to 36” based on child center of gravity data.

RB122, Part II: Oppose.

RB123: AAMA opposes PC from WDMA. CTC opposes. Not intended that all devices comply.

7.0 Care Facilities

7.1 Working meeting – Review of 2010 Public Comments E63, G15, G16, G20, G21, G24, F106

E63: Results in 2 sections which deal with issues slightly different.

PC#1 – Oppose

PC#2 – Support

G15: Fire areas typically the entire floor. F68 was As Submitted with no public comments so this may be the net result.

G16: PC#1 – CTC comment

PC#2 – OK

PC#3 – No conflict of PC#1 & PC#3. Support PC# 3

G20: PC#1 –CTC comment

PC#2 – Poor definition, uses terms like “Scheduled & Unscheduled” maintenance. Oppose.

PC#3-#5 – No position

G21: 2 I-1’s Capable & Incapable of self preservation. Conflicts created with subgroups of similar occupancy. Oppose PC#1.

G24: No position. Sprinklers currently in IRC.

F106: Oppose Public Comment

8.0 Labeling of Fire Rated Glazing

8.1 Working meeting – Review of 2010 Public Comments FS107

FS107: In response to issues raised in FAA, it was noted that things like section cross references, terminology, text viewed as unnecessary are not major flaws in the change. The key concern seems to be the listed and labeling criteria.

Thom Zaremba to work up a back table handout for the hearing in response to the issues noted.

9.0 Review of NIST WTC Recommendations

9.1 Working meeting – Review of 2010 Public Comments

E1, E131, G41, G44, G46, G48, G49, G159, G160, G165, G169, G171, G173, F27, F29

Items taken out of order to accommodate attendees schedules.

G48/G49: Text from 3007.1.1 is missing from G48 original proposal. Need redundancy - need at least 2 elevators. Request agenda move at hearings to hear G49 first.

G49: PC#1- Problem with “whichever is less” maybe interpreted to only require one elevator. Support.

G48: CTC supports PC #3 in the event that G49 fails.

G159: Support PC#1.

G160: No position.

G165: Wiring outside of shaft only. Isn't 1hr enough - it's a sprinklered building. Support PC.

G169:

- o Fire service training covers the fire service use.
- o IBC silent on occupant use of elevators. A17 should be done in time for reference in 2012 IBC.
- o What will elevators do in fire in pre Phase I mode?
- o Need “smart elevators” - they go to occupant evacuation floor.

Oppose Public comment. The technology necessary is in the code .

G171: PC#2

G173: Same as fire service G160, but this is for occupant elevators. No position.

E1: CTC proposal.

E131: Electrically powered lighting to the stairwell. What if you lose power or lose the back up? Not well written. Begs too many questions. Oppose.

G41: NIST opposed. NIST looking at methodology of adhesive. NIST will not relook at thresholds. Support Public Comment.

G44, Part I: NFPA 731- installation standard of components. No activation/monitoring criteria.
PC#1 & PC#2 – Oppose.

G44, Part II: No position.

G46: Oppose.

F27: PC#1 – No need for exception. Radio coverage not impacted for typical one/two family dwellings.
PC#2 – Oppose.
PC#3 - #7 – Support.

F29: Support PC

10.0 Unenclosed exit stairs

10.1 Working meeting – Review of 2010 Public Comments E2, E4, E5, E6, E108

E2: Support PC

E5, Part I:

- o PC#1 – CTC comment.

- PC#2 – Delete Exceptions 5 & 6. Enclosed stair in atrium. If the exit required to extend to outside, the code would no longer permit lobbies. Exceptions have long history in codes.
- PC#3 – Travel distance measured to entrance to the stair. Related to G52 for which comment has been submitted. Support.
- PC#4 – This is the heart of the opposition to E5. Brings in area of refuge which adds to confusion. Oppose.
- PC #5 - #7 – Commentor notes confusion caused by terminology
 - Exit enclosures now stairs
 - Interior exit access stairs
 - No exterior exit access ramps
 - Allows open access stairs as exits

Ron Clements to develop hearing room hand out.

E5, Part II: Support CTC

E4: If E5 Passes – CTC supports E4 As Modified. IF E5 Fails – CTC supports E4 As Submitted

E6: Oppose.

E108: Allows 100% exit access stairs to leave the story. No position.

11.0 Climbable Guards

11.1 Working meeting – Review of 2010 Public Comments

E100, E147, RB51

E100, Part I: PC#1 – CTC comment
PC#2 – Oppose.

E100, Part II: PC#1 – CTC comment.
PC#2 – Oppose.

E147: PC#1 – CTC comment.
PC#2 – Support.

RB51: PC#1 – Deletes definition of “open sided walking surface” – is a walk now covered? Oppose.
PC#2 – Oppose.

12.0 Balanced Fire Protection (BFP)

12.1 Vertical openings

a. Working meeting – Review of 2010 Public Comments

FS56

PC#1 – Not consistent with intent of original proposal. Problems with the location of text.
PC#2-#4 – Support.
PC#5 – Oppose.

12.2 Roof vents

a. Working meeting – Review of 2010 Public Comments Working meeting

F144, F146

F144: Carl Baldassarra summarized the effort to date. PC’s range from AS, AM to D. Baltimore IFC hearing committee undid what CTC intended. Need options if consensus not reached in PC#2. CTC cannot risk AM by IFC committee which was not intended by CTC.

- AAMA opposed to PC#1.

- PC#2 – CTC comment. Does NFPA 204 include design criteria for sprinklered roof vents?
- AAMA prefers that F144 be withdrawn. No reason to oppose PC#2
- Austin Fire issues: Reliability of power supply. Finish rating.
- JFSRC: Support PC#1 (As Submitted), then PC#2 (As Modified)
- NASFM: Opposed to PC#2 – it's for fire fighter use/safety (supports Committee As Modified)

Motion to withdraw F144 failed. CTC position:

- Support PC #2.
- If PC#2 fails, support Disapproval.

F146: Support PC. Request hearing order change to hear F146 after F144.

13.0 New business – Possible new areas of study

13.1 IBC- Fire Safety request to study code requirements for elevator lobbies

CTC to request that this item be added as an Area of Study by the ICC Board.

13.2 NIST presentation - membrane structures

John Gross with NIST provided a PowerPoint presentation – Collapse of the Dallas Cowboys Practice Facility (5/2/09).

- Micro burst caused problem.
- Structure rated for 110 mph
- Gable-roof, steel frame structure with tensioned fabric covering
- 204 ft x 406 ft in plan
- 86 ft high at ridge
- Designed and constructed in 2003
- Upgraded in 2008 (new roof and reinforcement added to some members)

NIST recommends that fabric-covered steel frame structures be evaluated to ensure the adequate performance of the structural framing system under design wind loads. Of particular concern are (1) the use of the fabric covering to provide lateral bracing for structural frames, (2) determination of the appropriate enclosure classification in the calculation of internal pressures for design wind loads, and (3) the ability of the structural system, including the lateral bracing, to maintain overall structural integrity.

■ *Affected Standards:* The ASCE/SEI standard committee on tensioned fabric structures has developed a draft standard and is preparing to release the draft for public comment. NIST will brief the committee on the findings of this study and will provide technical support to the committee as the standard is developed.

■ *Model Building Codes:* The standard on tensioned fabric structures should be adopted in the IBC model building code by mandatory reference to, or incorporation of, the latest edition of the standard.

Issues for Discussion

- Role of roof fabric in providing lateral support to chords
- Tensioning of roof fabric and bracing cables
- Enclosure Classification

CTC action: Put this on the next CTC agenda to receive comments on possible CTC Area of Study.

14.0 Old business

None.

15.0 Future Meetings

15.1 CTC Meeting # 20

Staff to poll CTC – possibly September 22-23.

16.0 Adjourn

The meeting was adjourned at 3:15 pm on April 27th.

The code changes and public comments as noted on the agenda are posted under “Code Changes” for each respective Area of Study. CTC website for posted materials:

<http://www.iccsafe.org/cs/CTC/Pages/default.aspx>

**ICC CODE TECHNOLOGY COMMITTEE
MEETING #19**

DRAFT MINUTES

List of Attendees

Larry Perry	BOMA
Richard Schulte	Schulte Assoc.
Richard Roberts	Honeywell
Robert Davidson	Davidson Code Concepts/NASFM
Farid Alfawakhiri	AISI
Steve Orłowski	NAHB
John Woestman	The Kellen Co
Julie Ruth	AAMA
Sarah Rice	SRice Consulting
Thom Zaremba	Roetzel & Address
Vickie Lovell	Intercode Inc.
John Valiulis	Hilti, Inc
Robert Perry	Door and Hardware Institute
Dave Frable	GSA
Brian Black	Nell
Jim Tidwell	TCC
Bill Ziegert	Smoke Guard, Inc.
Mike Perrino	Code Consultants, Inc.
William E. Koffel	Koffel Assoc, Inc.
John L. Gross	NIST
Carl F. Bazdassarra	The RJA Group, Inc.