

September 2, 2005

**ICC Code Technology Committee  
DRAFT MEETING MINUTES**

**July 25-26, 2005  
Four Points Sheraton – O’Hare Airport  
Schiller Park, IL 60176  
(847) 671-6000**

**Monday, July 25: 8:00 a.m. – 5:00 p.m.**  
**Tuesday, July 26: 8:00 a.m. – 2:00 p.m.**

**1.0 Welcome and introductions - Chair Heilstedt**

**1.1 Call to order**

Chair Heilstedt called the meeting to order at approximately 8:05 a.m on July 25<sup>th</sup>.

**1.2 Introduction of committee/attendees**

Members present: Shahriar Amiri, Carl Baldassarra (Vice Chair), Marty Conant, Paul Heilstedt (Chair), Steve Jones, Brian Meacham, Ron Nickson, Robert Salvaggio, Paul Tellez

Members absent: Marsha Mazz, Jeff Tubbs (alternate)

Staff liaison: Mike Pfeiffer

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

**1.3 Welcoming remarks**

Chair Heilstedt identified the areas of study to be considered at this meeting.

**2.0 Approve agenda**

Agenda approved with the following items added:

9.1 ICC Member Resolution to consider going from an 18 month to 12 month cycle

9.2 Relationship of the newly formed Government Relations Accessibility Advisory Task Group to the effort of the CTC

**3.0 Approve minutes of April 14-15, 2005 meeting**

Approved with a revision to 6.3, replacing Brian Meacham with Carl Baldassarra as the Balanced Fire Protection coordinator.

**4.0 Balanced Fire Protection**

**4.1 Discussion on Scope & Objectives**

Chair Heilstedt opened the floor to interested parties for their views on the direction and mechanism by which the CTC should address this area of study.

Bill Koffel presented his paper entitled “A Consequence Analysis Approach to Evaluating Balanced Fire Protection” which advocated a methodology which follows the Performance Code and specifically looks at fire scenarios. Bill identified this paper as being created specifically for the CTC and in this capacity, Bill was representing the Fire Rated Glazing Industry.

This was followed by a presentation by Jon Traw who advocated the need to look at the interaction of code related components, and analyze the building code from a performance code approach.

Rick Thornberry followed with his view of a 3 phase approach. Long term – a bottom’s up approach; Mid

and short term – development of a methodology to evaluate code related issues.

These presentations led to discussions of:

- What problem are we trying to solve?
- Legacy codes had an established history of performance, and therefore an implicit philosophy, the same can not be said for the IBC.
- The current code development process adequately addresses this and the membership has ratified the requirements in the code via their action.
- Who decides the acceptable level?
- Declines in the fireproofing market is an indicator that there is a problem.
- This is public policy issue, addressed via the adoption of a code.
- The IBC needs to be evaluated as to how it addresses smoke.
- There is no problem in commercial buildings, the fire problem resides in the residential environment
- The sampling of code changes prepared by staff often cites the need for a comprehensive review of this issue.
- Need to address the varying perspectives on the reliability of both active and passive fire protection

The committee identified that:

- There are inadequate resources for a “bottoms-up” analysis
- Interested parties should identify the issue and then possibly use a performance basis to evaluate the issue, which may lead to the development of a methodology
- To date, no issues have been brought forward.
- Utilizing the Performance Code may just re-focus the debate on the criteria in the Performance Code
- Further follow-up discussion is needed relative to the previous CTC meeting (Section 6.3 of 4/14/05 minutes) dealing with the CTC being a forum to investigate balanced fire issues as they relate to a specific identified provision(s) in the current IBC

A work plan was developed and approved, as follows:

1. Completion of a comparative matrix by interested parties for the subject matter to be considered
2. Approval of matrix by CTC
3. Identification of specific subjects by interested parties for CTC to review. Subjects may or may not be on the comparative matrix
4. Identification and submission of supporting docs by interested parties – Koffel consequence analysis approach, if used, would be one way of evaluating the issue.
5. CTC meeting(s) to discuss. A potential by-product of the evaluation of an issue may be some type of methodology to evaluate other issues.
6. CTC issue findings in a report
7. Public hearing on report
8. Report finalized and submitted to CEO per CP #5, including whether CTC to determine whether or not to submit code changes thru ICC CDP

Can by-pass 1 & 2 and go right to #3 for identified subjects.

#### **4.2 Review sample of side-by-side comparative matrix of balanced fire protection code requirements**

It was identified that this is still a work-in-progress and is not complete. No in-depth review performed.

#### **4.3 Review sampling of code changes submitted in 2000- 2004/5 Cycles on the subject of balanced fire protection**

No in-depth review performed.

## **5.0 Emergency Use of Elevators**

### **5.1 Status update on ASME's Workshop on Use of Elevators**

ASME is studying this issue as well. ASME's review includes:

- Use of elevators by fire-fighters
- Use of elevators by occupants during an emergency

The next meeting of the ASME activity is Sept/2005 where they will perform a hazard analysis of their recommendations. This hazard analysis will be an on-going activity for the near future. Staff to contact ASME for a projected schedule of deliverables in order to coordinate the CTC activity with that of ASME.

## **6.0 Carbon Monoxide Detectors**

### **6.1 Working Meeting**

The CTC reviewed the Preliminary Analysis performed by CTC member Marty Conant. This was followed by a Powerpoint presentation by Ted Williams of AGA. Further discussion between the CTC and interested parties ensued.

A motion was made, seconded and approved (6-2, Baldassarra abstain) to recommend that there was not enough evidence to mandate CO detectors in new or existing residential type occupancies. A draft report of the CTC recommendation on this area of study will be produced and serve as the agenda for a public hearing to be held September 22 in Detroit.

At this time there was discussion as to how the CTC should address the "minority view" on this subject as well as future subjects. It was determined that the CTC report would address the majority view and if a CTC member(s) would like to address the minority view, the CTC report could be shaped with issues raised by the minority.

## **7.0 Climbable Guards**

### **7.1 Working Meeting**

The CTC discussed the Preliminary Analysis performed by CTC member Ron Nickson. This was followed by a presentation by Tom Zuzik of Artistic Railings, Inc. which included numerous samples of handrail/guardrail configurations. Tony Leto of Wagner Companies made a Powerpoint presentation. This was followed by further discussion between the CTC and interested parties.

The CTC noted that there seems to be a discrepancy between the data provided by Elliott Stephenson and that provided by Tom Zuzik.

This area of study will continue as a working meeting at the next CTC meeting.

## **8.0 Old business**

None

## **9.0 New business**

### **9.1 ICC Member Resolution: 18 month to 12 month cycle**

Members of the CTC as well as those in attendance were notified of Resolution 2005 – 6 submitted by the Colorado Chapter of ICC. This resolution proposes that ICC go back to a 12 month cycle, effective with the conclusion of the current 2005/2005 Code Development Cycle. This resolution will be discussed at the ICC Annual Conference September 25 – October 2 in Detroit during the Annual Business Meeting. No formal action taken.

### **9.2 Government Relations Accessibility Advisory Task Group**

The staff liaison reported that Marsha Mazz of the US Architectural and Transportation Compliance Board received an invitation from ICC GR to participate in a newly formed Accessibility Advisory Task Group. Marsha conveyed to staff her concern that this activity may result in competing and possibly conflicting activities as it relates to the ICC Board approved CTC area of study – IBC Coordination with the New ADAAG.

As noted by the ICC Board, this is an area of study that within the purview of the CTC. Should the task group become involved in this issue, they will be directed to focus their input into the CTC process.

**10.0 Review/Update Work Plan**

No changes

**11.0 Next meeting**

**11.1 Scheduled for September 22-23 in Detroit**

Confirmed for September 22-23 in Detroit. It was noted that the schedule of CTC meetings identified in the CTC Work Plan dated April 14-15, 2005 should be viewed as tentative, with each subsequent meeting to be confirmed by the CTC at the preceding CTC meeting.

**11.2 Agenda items**

The areas of study for the September 22-23 meeting are ordered as follows:

Carbon Monoxide Detectors – Public Hearing

Climbable Guards – Working Meeting

Balanced Fire Protection – Working Meeting

Day Care/Adult Care/Assisted Living – Working Meeting

**12.0 Adjourn**

The meeting was adjourned at approximately 1:20 p.m. on July 26<sup>th</sup>.

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**List of Attendees**

**Monday July 25, 2005**

**Alan Shuman, NASFM  
Melissa Klein, Sparber & Associates  
Wendy Gifford, Invensys/Firex  
Stephen Pessiki, Lehigh University  
Jim Messersmith, PCA  
Jason Krohn, PCI  
Bob Lee, Town of Cave Creek  
Steven Winkel, AIA  
Sam Francis, AF&PA  
Robert Wills, AISI  
Thom Zaremba, Pilkington and Fire-rated Glazing Ind.  
Brian Maltby, IAFC  
Bret Penrod, Pilkington Fire Prot. Glass  
William Koffel, Fire Rated Glazing Ind.  
Luke Woods, W.R. Grace  
Steve Gallagher, Cornell  
Andrew Cornell, Cornell Iron Works/American Rolling Door Inst.  
Lang Greiner, Cornell Iron Works  
Jack Murphy, FSDA Assoc.  
Hubert Dudley, NFCA  
Dave Frable, GSA  
Gene Endthoff, Endcon  
Kevin Kelly, NFSA  
Richard Ray, Cybor Fire Protection  
Pat McLaughlin, Semiconductor Industry Assoc., Sherwin Williams, Chemical Special Products Assoc.  
Jon Traw, AFSCO, No Burning, No Burn California, City of Laguna  
John Valiulis, Hilti, Inc.  
Brandon Cordts, 3M Co.  
Joe Hetzel, DASMA  
Tom Lariviere, IFCC  
Larry Felker, Belimo Air Controls  
Bill Ziegert, Smoke Safety Council, Smoke Guard Corp.  
Richard Licht, RRL Consulting Solutions  
David Dratnol, Isolatek International  
Rich Garcia, Belimo  
Rich Walke, UL  
Duane Becker, Fire Trak Corp.  
Mark Dockery, Fire Trak Corp.  
Rick Thornberry, The Code Consortium Inc.  
Marty Gissel, Greenheck Fan Corp.  
Terry Hervat, Greenheck Fan Corp.  
Robert Van Becelaera, Ruskin  
Timothy Orris, Air Movement and Control Association  
Bill McHugh, Firestop Contractors International Assoc.  
Charbel Tagher, Specified Technology Inc.  
Thomas Zuzik, Artistic Railings Inc.  
Sean DeCrane, Cleveland Fire Fighters Assoc.  
Daniel Gengler, NFSA**

**Richard Schulte, Schulte & Assoc.**  
**Tim Moss, NOMMA**  
**Vickie Lovell, Intercode Inc.**  
**Sarah Rice, Schirmer/AHLA**  
**Jeff Inks, NAHB**  
**Robert Wills, AISI**

**Tuesday, July 26, 2005**

**Thomas Zuzik, Artistic Railings Inc.**  
**Tony Leto, Wagner Companies**  
**Wendy Gifford, Invensys**  
**Sarah Rice, Schirmer, AHLA**  
**Robert Wills, AISI**  
**Brian Maltby, IAFC**  
**Tom Lariviere, IFCC**  
**Jim Messersmith, PCA**  
**Bill Ziegert, Smoke Safety Council**  
**Bill Beile, Allied Tube**  
**Tim Moss, NOMMA**  
**Patrick Kelly, Decorcable Innov.**  
**Bob Lee, Town of Cave Creek**  
**Jeff Inks, NAHB**  
**Holly Gerberding**  
**Elaine Thompson, Allied Tube**