

International Code Council Fire Code Action Committee

MINUTES July 8 and 9, 2014 Four Points Sheraton Chicago O’Hare

CAC Members	Present	Absent	CAC Members	Present	Absent
Adolf Zubia – Chair	X		Andy King – Vice Chair	X	
Ken Bush	X		Michael O’Brian	X	
Glenn Dean		X	Greg Rogers	X	
Stephen DiGiovanni	X		Marc Sampson	X	
Dan Finnegan	X		George Stevens		X
Kenneth Hoffman, Jr.	X		Angie Wiese		X
Howard Hopper	X		Morgana Yahnke	X	
Jeff Hugo		X			
Staff					
Bruce E. Johnson	X		Lauren Crane-Flynn	X	
Bill Rehr	X				
Guests					
Pat McLaughlin	X		Jeff Shapiro	X	
Ken Wood	X		Jim Tidwell	X	
Vickie Lovell	X		Richard Roberts	X	
John Woestman	X		Thomas Daly	X	
Gregg Johnson	X		Dennis Richardson	X	
Sam Francis	X		Gregory Keith	X	
Kris Owen	X		Farid Alfhwakhiri	X	
Mike Toika	X				

The Chairman called the meeting to order at 8:10 AM (Central) Tuesday July 8, 2014

I. Roll Call and introductions

Staff completed Roll Call of Committee; attendance noted above; quorum present
Committee members and interested parties introduced themselves and signed the attendance sheet

II. Review of 2014 code changes to the IgCC. (Monograph and Reports from RWGs))

See accompany Excel Spreadsheet

The consensus of the Fire-CAC is no further action required on any IgCC Code Change Proposals following the results of the Committee Action Hearings.

III. Develop 2015 Group A code changes which are due January 12, 2015 via the online cdpACCESS submittal process.

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Topics for Work Group *Work Group Leader highlighted*

1. High-rise Combustible (wood) Structures and Cross-Laminated Timber (CLT)

Group A and Group B

Steve DiGiovanni, Angie Wiese., Marc Sampson. Ken Bush (NASFM), Alternate: Dan Finnegan
From Building-CAC: James Smith; Paul Coats; Patrick Granson; Ed Kulik; Marshall Klein;
Robert Davidson
ICC Staff Secretariat: Bruce E. Johnson

Steve DiGiovanni provided an update; Work Group is not contemplating any code change proposals at this time; will monitor any activity/proposals submitted by others.

Dennis Richardson reported that the American Wood Council (AWC) is reviewing the issue and is not considering any code changes for the upcoming cycle that would increase the height and area for combustible construction. AWC is also looking at current definitions of “Heavy Timber” and “Mass Timber” and the various methods for utilizing encapsulation with CLT to achieve higher levels of fire resistance rating possibly resulting in code changes for additional types of construction for type IV, mass timber and additional applications of this material in the code.

ACTION ITEM: *Chairman to send a letter to ICC CEO and Board President requesting that the issue of CLT and Tall Wood Structures be assigned jointly to the Fire-CAC and Building-CAC for study.*

2. College Labs and Haz-Mat requirements (control areas/occupancy classification/ NFPA 45)

Group A and Group B

Morgana Yahnke, Angie Wiese, Pat McLaughlin and Campus Fire Safety stakeholders
Campus Fire Safety Stakeholders: Ken Kretchman; Zachary Adams
Representing Center for Campus Fire Safety: William Guffey
ICC Staff Secretariat: Bruce E. Johnson

Morgana Yahnke provided an update; this Work Group held one conference call meeting and has been adding additional stakeholders to the Work Group. Will continue conference call meetings and develop a list of the top three issues/code change proposals that this Group will focus on for the 2018 I-Codes.

3. Potential conflicts with Security Lockdown plans and Fire Evacuation

Following a discussion about scoping; approach, types of occupancies to be considered (Schools, government buildings, hospitals) and potential changes to IFC Chapters 4, 9 and 10; creating a new Chapter or Appendix and how to address both new construction and existing structures; the Fire-CAC created a Work Group to further study this issue. Issue redefined as:

Minimum Requirements for Building Security and Evacuation

Group A and Group B

Steve DiGiovanni, Dan Finnegan, Ken Bush, Howard Hopper, Ken Hoffman, Jeff Shapiro, John Woestman

ACTION ITEM: *Contact representatives from DHI/Door Security and Safety Foundation; National Association of School Administrators and NASFM (Committee on this issue chaired by Louisiana SFM Butch Browning) to participate on this Work Group.*

ACTION ITEM: *Chairman to send a letter to ICC CEO and Board President requesting that the issue of Minimum Requirements for Building Security and Evacuation be assigned jointly to the Fire-CAC and Building-CAC for study.*

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4. Carbon Monoxide Work Group – Additional revisions to IFC Section 915 **Group B**
Howard Hopper, Dan Finnegan and industry
ICC Staff Secretariat: **TBD**
Howard Hopper gave an update report; basically looking to submit minor “clean-up” edits
Tom Daly, representing the American Hotel and Lodging Association, spoke to the need for additional data to support further code changes on this requirements for carbon monoxide alarms.

Items/topics for single code change proposal – Group A

1. Cooking in I-2 – Cook top safety technology
Howard Hopper and Greg Rogers (FLSS cook top safety work group)
Two draft code change proposals introduced by H. Hopper
I Occupancies – need to coordinate with Health Care Ad Hoc Committee
Dormitories – Work Group of Howard Hopper, Morgana Yahnke and Greg Rodgers to review and submit for Fire-CAC review at the next meeting.
2. Construction site safety – proper stairs in place during construction
Andy King with Southern RWG
Andy King explained the issue and concern with when stairs are completed in buildings under construction; specifically IBC 3310. It was suggested by Jeff Shapiro the Fire-CAC review NFPA 241 and OSHA requirements; Jeff Shapiro will assist.
3. IBC Section 707.9
Following discussion – Fire-CAC consensus is not to submit a code change proposal.
4. IBC Chapter 7 (vertical exposure)
Following discussion - Fire-CAC consensus is not to submit a code change proposal.
5. Egress width reduction based on Fire Sprinkler/Voice Evacuation
Andy King explained issue and concern with IBC 1005.3 Exception 1. Following discussion, the consensus of the Fire-CAC was there is insufficient data to justify a code change proposal at this time.
6. Reexamine the requirements for replacing smoke alarms in one and two family dwellings after 10 years (F162-13) for IPMC and IFC (**Group B**)
Howard Hopper will draft code change proposal for consideration by Fire-CAC. Jeff Shapiro will provide current text from NFPA 72 currently in revision cycle.
Note: IPMC scoped to Building-CAC
7. Two-way communication system to elevator landing (accessible access) in multi-story buildings. IBC 1007.8 (NFPA 72 requirements for area of refuse)
Steve DiGiovanni – discussion on proposed code change language; Fire-CAC requested S. DiGiovanni submit revised proposal to the Fire-CAC for consideration at the next meeting. S. DiGiovanni also presented the issue to Building-CAC, as this change would be their responsibility.

Meeting recessed for lunch at 11:50 AM/Reconvened at 1:05 PM

ICC staff, Dave Bowman, gave a brief update/overview on cdpACCESS

8. Retro-fit of R-1 Occupancies for fire sprinklers (F226-13) – **Group B**
Jeff Hugo and Northeast RWG (4 fatalities/ 2 fires in NJ)

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ICC Staff Secretariat: **TBD**

No report – J. Hugo not present

Tom Daly, representing the American Hotel and Lodging Association, spoke to the need for additional data to support a retroactive requirement to sprinkler all R-1 occupancies.

It was suggested that J. Hugo contact NASFM to see if any State Fire Marshals are collecting data on injuries or fatalities in hotel/motel fires.

9. Emergency/standby power reference in the IMC (F59-13) Group A PMG-CAC (scope)
Note: F59-14 change is drafted from last cycle – *just need to review and submit in cdpACCESS program – Group A*
Howard Hopper to coordinate with PMG-CAC/Gregg Griss
10. Definition of “Alteration” (different in IgCC and IECC)
Mike O’Brian gave an update report and submitted a summary document showing current “Alteration” definitions in each of the I-Codes. Responsibility for a change to the definitions of “Alteration” will be handled by several code development committees: Administration, Residential, Energy, and Green. M. O’Brian will work with Northeastern RWG on this issue
11. Draft-stopping performance within Type V combustible concealed attic space
Discussion on information submitted to the Fire-CAC by Anthony Apfelbeck. Committee will request additional information and data from A. Apfelbeck for consideration at the next meeting. Koffel Associates is preparing a report for Florida–report distributed to committee on July 10th.
12. High-rise definition and requirements that start at 75 ft. and roof-access
Andy King with Building-CAC
Andy King explained the issue and concern with buildings slightly less than 75 feet and the need for high-rise buildings to have better firefighter access to the roof. Following discussion, the committee requested A. King submit specific code change proposal(s) and reason statement for consideration at the next meeting.
13. IBC Table 508.4 Separation requirement difference B and S1/S2 Occupancies –
Steve DiGiovanni explained issue and concern. Following discussion - Fire-CAC consensus is not to submit a code change proposal.
14. IBC 1016.2.2 Group F-1 and S-1 – Travel distances in 500,000 sq./ft. or larger building
Marc Sampson explained issue and concern. Following discussion, the F-CAC consensus was the issue should be addressed; possibly as changes to IFC High-Piles Combustible storage. Committee suggested Marc Sampson and Joe McElvaney submit specific code change proposal(s) and reason statement for consideration at the next meeting. Recommended the proposal include specifics on hazard mitigation requirements; possibly additional standpipe outlets and fire detection system for fire department notification (faster response).
15. IBC 1007.2 – issue with remoteness of required exits from a story
Following discussion, Fire-CAC presented issue to Building-CAC for consideration. The consensus of Building-CAC was to take no action.

IV. Develop 2015 Group B code changes which are due January 2016 via the online cdpACCESS submittal process.

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Topics for Work Group *Work Group Leader highlighted*

1. OSHA Haz-Com requirements; classification of flammable liquids; NFPA 30
Mike O'Brian and SIA/Pat McLaughlin
ICC Staff Secretariat: **TBD**
M. O'Brian provided an update and information about how NFPA 400 and NFPA 30 technical committees are handling. Pat McLaughlin suggested contacting OSHA staff (Kathy Landkrohn) who submitted change proposals to NFPA.

Also need a code change proposal to change all references to "MSDS" to "SDS"

2. CTC Proposals based on NIST Report of recommendations from Charleston Super Sofa Store fire – Fire Inspector Qualifications & Inspection Frequency
CTC is relinquishing this item to the Fire-CAC for possible action in the 2018 Cycle.
Morgana Yahnke, Greg Rogers, Steve DiGiovanni, Tony Apfelbeck w/CTC Work Group (Robert Davidson; Nancy McNabb) and from NIST: Nelson Bryner
ICC Staff Secretariat: **TBD**

Morgana Yahnke gave an update report and will continue efforts with this Work Group to revise Last cycle's code change proposals for consideration at the next Fire-CAC meeting.

3. Tents, Trade Shows and Special Events – Western-RWG and Industry
Howard Hopper, Joe McElvaney (Phoenix FD) and Western RWG along with Tent Division/Industrial Fabrics Association International (Biff/Tom Markel)
ICC Staff Secretariat: **TBD**

Howard Hopper gave an update report. Following discussion, committee recommendation is to create separate code change proposals for Outdoor Events and Large Indoor Events. Steve DiGiovanni suggested the Work Group include Ed Kaminski from Clark County.

4. Combustible dust (recommendation from CSB) and reference to various NFPA standards
Glenn Dean and Southern RWG and CSB staff
ICC Staff Secretariat: **TBD**
No report – G. Dean not present

5. Re-write of IFC Chapter 32 (High-piled Combustible Storage)
Jeff Hugo (Robert Davidson, Elley Klausbruckner and California code committee)
ICC Staff Secretariat: **TBD**
J. Hugo distributed a draft proposal on June 24th for Fire-CAC consideration. No action at this meeting.

6. Reexamine the Chapter 7 requirements for maintaining fire and smoke protection features and resubmit F97 and F98 (and possibly another proposal to keep these requirements consistent with the IBC).
Howard Hopper with fire resistance industry (Vickie Lovell)
ICC Staff Secretariat: **TBD**
Howard Hopper gave an update report. Work Group will submit a new code change proposal and reason statement for consideration at the next F-CAC meeting.

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7. Enhancing the requirements for providing protection from CO₂ and other simple asphyxiants **Group B**
Marc Sampson, Howard Hopper, Pat McLaughlin, Barry Grieve Target Corp and Joe McElvaney and Western RWG
ICC Staff Secretariat: **TBD**
Marc Sampson gave an update report. This issue is also under consideration by the PMG-CAC. Work Group to submit a draft code change proposal and reason statement for consideration at the next F-CAC meeting.

Tuesday Meeting Adjourned at 4:15 PM

Wednesday Meeting Called to Order at 8:35 AM

8. Fireworks *requirements* and reference to NFPA 1124 and removal of Chapter 7 by NFPA Standards Council
Glenn Dean, Greg Rogers, Mike O'Brian, all RWGs
The committee discussed possible resolutions to this issue; awaiting response on appeal to NFPA Board; possibly a code change proposal to designate storage/sale of any fireworks as an H Occupancy.

Items/topics for single code change proposal – Group B

1. Request for discussion - Gregory R. Keith (President - Professional heuristic Development). ISSUE: aircraft paint hangars and spray painting operations.
Gregory Keith presented the issue and his conceptual approach for a code change proposal. The committee gave guidance to focus on IFC section 412.6.1 and address only aircraft painting/not all spray operations. G. Keith will submit a draft code change proposal and reason statement for consideration/input by the committee before the next FOCAC meeting.
2. Automatic sprinkler system retrofit requirements for A-2 Occupancies
Greg Rogers and Jeff Hugo with Tony Apfelbeck and NIST-Nancy McNabb
No report – J. Hugo not present
3. Green roofs – conflicts between IFC and IBC for Class A roof
Greg Rogers gave an update report on conflict between IBC 317 requirements and IFC requirements. G. Rogers will submit a draft code change proposal; and reason statement for consideration by the committee at the next F-CAC meeting.
4. Cooking oil storage system requirements (to see if the performance requirements included in the code can be replaced with a reference to the listing standard)
Howard Hopper with industry
H. Hopper gave an update report. There is currently a UL standard under development and should be completed in time for the Group B deadline. H. Hopper will submit a draft code change proposal; and reason statement for consideration by the committee at the next F-CAC meeting.
5. IFC Section 5706.7 Refineries
ACTION ITEM: *Recommendation to contact Dick Kraus at API for input*

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6. IFC Section 1104/1031.4 Exit Signs
Draft code change proposal developed – pending review

7. IFC Section 510.4.2 Emergency Responder Radio Coverage System
510.4.2 System design.
Marc Sampson provided an explanation of the issue and suggested the following code change proposal: The emergency responder radio coverage system shall be designed in accordance with Sections 510.4.2.1 through 510.4.2.5 and NFPA 72
Dan Finnegan offer to provide the draft language from NFPA 72-2016 currently in development cycle. Staff recommended a more specific reference to the chapter/section of NFPA 72 that is related to the design, installation and/or maintenance of these communication systems.

V. General Discussion

Recent reports on Carbon Monoxide permeability through gypsum board. Additional literature study underway by NFPA Research Foundation. Issue will be reviewed by Carbon Monoxide Work Group.

Howard Hopper showed a UL Test video on combustibility of vinyl siding and extension to attic spaces. H. Hopper also presented this information to SEHP-CAC. No action at this time.

Steve DiGiovanni asked for thoughts on application of requirements for woodworking operations in IFC 903.2.4.1 No action required by Fire-CAC.

Steve DiGiovanni proposed a code change proposal related to discrepancy of fire alarm and detection requirements between Group B and Group A Occupancies for stores above grade plane. Interest by Fire-CAC; S. DiGiovanni to draft a code change proposal and reason statement for consideration by the committee at the next Fire-CAC meeting.

Marc Sampson asked for a review of IFC 907.2.9.1 Exception 3. After discussion, consensus of the Fire-CAC was no further action.

VI. Other Business

None

The meeting concluded at 11:25 AM (Central).

Prepared by Bruce E. Johnson