Meeting Minutes

High Rise Building Safety Advisory Committee

October 26-27, 2011 Meeting
Portland Marriott Downtown Waterfront
1401 S.W. Naito Parkway
Portland, OR

1. Call to Order. The meeting was called to order by Chair Jim Quiter at 8:30 a.m. on Wednesday, October 26, 2011 at Portland Marriott Downtown Waterfront.

2. Introduction of Attendees.

<table>
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<tr>
<th>NAME</th>
<th>COMPANY</th>
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<tr>
<td>James Quiter, Chair</td>
<td>Arup</td>
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<td></td>
<td>Rep. Safety to Life Correlating Committee</td>
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<td>Kristin Collette, Staff</td>
<td>NFPA</td>
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<tr>
<td>Jon Magnusson, Principal</td>
<td>Magnusson Klemencic Associates</td>
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<td>Rep. National Council of Structural Engineers Association</td>
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<td>John Miller, Principal</td>
<td>Los Angeles City Fire Department</td>
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<td>Jack Murphy, Principal</td>
<td>Fire Safety Directors Association of Greater New York</td>
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<td>Jake Pauls, Principal</td>
<td>Jake Pauls Consulting Services in Building Use &amp; Safety</td>
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<td>Rep. American Public Health Association</td>
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<td>James Shea, Principal</td>
<td>Tishman Speyer</td>
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<td>William Stewart, Principal</td>
<td>Toronto Fire Services</td>
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<td>Rep. metropolitan Fire Chiefs – IAFC/NFPA</td>
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<td>Charles Jennings, Alternate</td>
<td>John Jay College of Criminal Justice</td>
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<td>Rep. The Skyscraper Safety Campaign</td>
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The following committee members were not in attendance:

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<th>NAME</th>
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<tr>
<td>Geoff Craighead, Principal</td>
<td>Universal Protection Service</td>
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<tr>
<td>Steven Nilles, Principal</td>
<td>Goettsch Partners</td>
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<td></td>
<td>Ep. Council on Tall Buildings &amp; Urban Habitat</td>
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The following guest was in attendance:

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<th>NAME</th>
<th>COMPANY</th>
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<td>Joshua Elvove</td>
<td>General Services Administration</td>
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3. **Review of Agenda.** Chair Quiter reviewed the agenda with the committee.

4. **Approval of Minutes.** The minutes of the May 16, 2011 meeting were approved with no modifications.

5. **Development of NFPA 1, NFPA 101 and NFPA 5000 proposals relating to high rise buildings.** Past committee work related to NFPA 1, NFPA 101 and NFPA 5000 was reviewed and discussed to determine if there were any unresolved issues remaining which the committee wanted to further pursue. The committee agreed that Charles Jennings would review the committee’s past proposed change related to egress path monitoring and develop a new proposal to be submitted to NFPA 101 and NFPA 5000. Mr. Jennings will prepare the proposal and send it to Kristin which will then be sent out to the committee for ballot.

6. **Review of Guidelines to Develop an Emergency Action Plan For All-Hazard Emergencies.** The committee fully reviewed the current draft of the EAP Guide and addressed all comments submitted on the draft by committee members. A final revision timeline was set. 1. Kristin Collette will send a cleaned up version of the draft to Jack Murphy. 2. Mr. Murphy will incorporate additional changes and missing text and return the draft to Kristin by 12/31/11. 3. Ms. Collette will arrange for other technical staff at NFPA to review the draft by the end of February. 4. Ms. Collette will submit the draft to the NFPA editorial department with a return date of April 1 to address at the committee’s next conference call.

7. **Other Business.**
   a. Robert Solomon briefed the committee on the ASME task groups on elevators for occupant evacuation, a Fire Protection Research Foundation project on elevator messaging strategies, a NIST evacuation study, and In-Building Radio Communication Systems. See attachment Pg. 4.
   b. Chair Quiter updated the committee on the progress of the SFPE high rise building guide. A draft of the document should be available in late winter/early spring and will be distributed to the committee for review and comment if necessary.
   c. Chief Stewart presented to the committee on the Wellesley Street high rise apartment fire. If you would like a copy of this presentation please email Chief Stewart at wstewart@toronto.ca
   d. Mr. Murphy presented to the committee on eBIC (an electronic Building Information Card). See attachment Pg. 6.
   e. **Future topics for discussion and action by the committee:** The committee discussed many topics of interest for additional discussion and/or action. These included sustainability, continued work with the NFPA glossary of terms including high rise building terminology, blast impact on building and life safety, conceptual approaches to high rise building safety, coordination within and between organizations of high rise building safety efforts, new high rise technologies, sky bridges, international high rise building safety strategies, and high rise requirements for existing building.

8. **Scheduling of Next Meeting.** The next meeting of the committee will be held in early spring to discuss the final draft of the EAP Guide and plan for the 2012 year. The meeting will be held by
a web/teleconference. The committee is encouraged to review the topics listed in Minutes item 7(e) and consider ways the committee can address these issues.

9. **Adjournment.** The meeting was adjourned at 12:00 pm on Thursday, October 27th by Chair Quiter.

Enclosures

Meeting Minutes Prepared By:

Kristin (Collette) Bigda
UPDATE

ASME DEC 2010
NIST High Rise Study
FPRF Elevator Messaging
Strategy

ASME Elevator Symposium

December 2010-Orlando
Update Since MAR 2004 Conference
Occupant Evacuation Elevators
Fire Service Access Elevators

Occupant Evacuation Elevators

- Strategy of Provisions
- More protected and logical use of elevators
- Works with basic standard operating procedures for fire departments.
- Goal is to protect
  - Staging area
  - Elevator and associated machinery
  - Power supplies

Fire Service Access Elevators

NIST Study- High Rise Evacuation Experience

- Observe 20 buildings total
  - Office - 9
  - Assisted Living - 2
  - Courthouse - 2
  - Residential - 1
- Information Collection
  - Video
  - Survey
  - Observation

NIST Study- High Rise Evacuation Experience

http://www.nist.gov/el/fire_research/building-occupant-evacuation.cfm

- Working to get information data sets wrapped up by May 2012
Elevator Messaging

- New rules in codes
- What do we say going forward?
- How do we say it?
- How often do we say it?

Elevator Messaging

- Literature review
  - Transportation/Traffic
  - Airline Industry
  - Amusement Parks
- Methods
  - Verbal
  - Visual
    - Fixed signs
    - Text Displays
Building Information for Emergency Preparedness

Electronic Building Information Card / eBIC

The Last Tactical Mile for Building Intelligence

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Emergency info continuum:

No information about structure or contents?
eBIC provides decision based knowledge, pre-incident planning info via dispatch and other database items, etc.

Guess based on information gathered at similar buildings to this one?

Guess based on personal knowledge gained from visiting the building or personal size-up?

What type of Construction?
eBIC will help you read the building as hybrid construction as if you saw it built.

Today, eBIC is compliant with the

NFPA 1620 Standard for Pre-Incident Planning 2010 Edition

Creating an eBIC

HOW IT WORKS (see boxes on card)
Easily printed, stored and updated with a click of a mouse.

Building Imagery with a Goggle Bubble for
- FPS / Out-of-Service / Impairment Reporting System

HAZMAT / Plus Links to:
- MSDS
- NFPA 704 Placard
- Current Weather Conditions
- Citywide Tracking

HAZMAT Citywide Tracking
Building Information for Emergency Preparedness

Snap Shot of: Building Vertical Risers

Fire Protection Systems / Out-of-Service
FIELD OPERATIONS GUIDE FOR:
- 1st alarm assignments
- Emergency vehicle access
- Safety & precautions
- Special instruction for operations
- Additional building information

Fire Dept. Tactical Considerations

**FD FIELD OPERATIONS GUIDE FOR:**
List the 1st alarm fire units assigned to this address for an incident response:

- Lengthy hose line stretch (2 extra apt packs / SB to 5th floor)
- Forcible entry (window & door gates 1st floor / All 4 sides)
- Ladder placement (Aerial Side-A & B)
- Limited apparatus access (Side-C & D)

General Operations for: (Refer to standard fire department operational procedures except as noted for the premises.)

**eBIC Blue-Line Information**
Aiding Dispatchers
Providing up to date building intelligence to 1st Due Fire Units

**Building Imagery with a Goggle Bubble**

- **213 Jefferson St.**
- 20 stories
- Business Occ.
- 290' x W 130'
- FDC: Side A & B / Comb. Sys
- Stair-A roof acc
- Stairs-A/B/C below grade acc
- Elec. Low/Mid/High Rise
- Banks
- Spec Ops: TRUSS R/F