

# SFPE Standards-Making Committee on Design Fire Scenarios

Meeting Report – March 10, 2016



**Present:** Charles Fleischmann (Chair), Kees Both, Jason Floyd, M.C. Hui, Craig Hofmeister, Jason Smart, Piotr Tofilo, Collen Wade, Shaun Wrightson and Chris Jelenewicz (Staff).

**Apologies:** Jason Butler

## 1. Progress Reports

South Pacific – The Warehouse scenarios are near completion. Stores and hotels scenarios are completed.

Americas – Office areas needs input from group. Charley will review. Other two groups have also completed a draft.

**All committee members who are responsible for working on drafting scenarios for a specific occupancy were asked to send their completed scenario spreadsheets to Charley ASAP.**

## 2. Kitchen Fires Scenarios Strawman

Chair presented a strawman document on how to present design fires based on a kitchen fire scenario. **Committee members were asked to review and be prepared to discuss at next meeting.**

Jason Floyd will provide an US Alcohol, Tobacco and Firearms report on kitchen fires.

## 3. Design Fire Data Reduction Discussion

Committee members were reminded to keep an open mind and continually think about the data reduction issue when using/manipulating data.

Additionally, the committee is considering adopting the methodology outlined in the paper A New Method for Quantifying Fire Growth Rates Using Statistical and Empirical Data – Applied to Determine the Effect of Arson. MARTIN NILSSON, NILS JOHANSSON and PATRICK VAN HEES. It was recommended that having Martin

Nilsson sit on this committee. CJ will contact Martin Nilsson to see if he is interested in assisting.

#### **4. Data from NFPA**

NFPA has agreed to provide data for “first item ignited” for “non-confined” Hotel/Motel fires. It should be available before the end of March.

#### **5. SFPE PBD Conference Presentation**

One goal of this presentation is to hopefully find more data from other countries beside the USA. In this presentation, Charley will discuss to committee’s current work on scenarios and the future plans for estimating design fires.

#### **6. Damage Estimate/fire – of any value?**

It was indicated that the current criteria for determining scenarios that focuses on disproportionate \$ loss may need to be adjusted. It was recommended that a new criteria that compares each area for un-confined fires to the average dollar loss in the use group may be more effective. The chair will take a look at this possible criteria and report back at the next meeting.

#### **7. Way Forward**

ASAP – Scenario Spreadsheets to Charley.

Before May 12 -- Sub-groups should be at a point where they look at scenario data critically. For each use group, pick one occupancy specific scenario and quantify the design fire.

For next meeting – Each committee member should be prepared to discuss the kitchen fire scenario strawman.

Charley will have completed his draft presentation for the PBD meeting in Warsaw.

#### **8. Next meeting**

The next online meeting will be May 19 at 4pm (US Eastern Time).

The committee will meet informally at the SFPE conference in Warsaw at a bar designated by Piotr.

- **End of Report** -