



Subcommittee for Codes & Standards Liaison (SCCSL)

NFPA Working Group

Meeting Report – July 26, 2016

Present: Matt Davy, Ken Bush, Joshua Greene, Julie Bryant (Staff) and Chris Jelenewicz (Staff).

Apologies: Paul Nordmeier,

The following was discussed:

Subcommittee Scope – The SCCSL is responsible for facilitating adoption of SFPE standards/guides into building regulations, codes and standards. The Subcommittee should focus on ways to promote the profession of fire protection engineering. Persons from the SCCSL may be appointed by the Board to represent SFPE in specific codes and standards development / liaison activities.

NFPA Working Group Scope -- This Working Group that is part of the SCCSL was asked to focus on the NFPA process, specifically, to answer the questions: 1) How should SFPE get involved, 2) who should get involved and 3) what this involvement should be.

SFPE Technical Documents Referenced in Existing NFPA Documents – Julie Bryant from SFPE Headquarters drafted a spreadsheet that lists all of the NFPA documents that reference SFPE standards/guides. It was noted that SFPE documents are referenced inconsistently and at times the correct versions are not listed. The spreadsheet also indicates the dates that 1st and 2nd draft comments are due. Headquarters will submit code changes at the appropriate times to ensure the proper versions of these documents are referenced. There are also several instances where a referenced SFPE document is old and/or out of date. Several of these documents could not be found at Headquarters. Joshua Greene indicated he would search the Jensen Hughes library for these missing documents.

Risk Assessment and Performance-Based Design – The recent edition of NFPA 99 has developed a risk-based approach. It was agreed that the Working Group will look for other NFPA standards that should focus on risk-based methodologies and performance-based applications. Before the next meeting, Working Group members will be prepared to discuss specific NFPA documents that should be promoting engineering approaches and reference

SFPE standards/guides. At this meeting, the Working Group will start to develop a strategy on how to accomplish this.

Existing SFPE Technical Documents – The Working Group also agreed to look at the existing SFPE technical documents, specifically the newer documents to see where these documents can be referenced in NFPA codes/standards. A listing of the current SFPE technical documents is provided at the end of this report.

Fire Protection Research Foundation – It was suggested that SFPE get more involved with Fire Protection Research Foundation (FPRF). Specifically, getting SFPE participation on FPRF technical review panels on projects that may impact the profession of fire protection engineering. CJ will contact Casey Grant to discuss.

Next Meeting – The next Working Group meeting will be held in late August/early September. CJ will schedule via a Doodle Poll.

End of Report

SFPE Technical Documents

Standards

????—Standard #3 – Standard on Design Fires (Under development)

2015 – Standard #2 -- Engineering Standard on Calculation Methods to Predict the Thermal Performance of Structural and Fire Resistive Assemblies

2011 – Standard #1 -- Standard on Calculating Fire Exposures to Structures (Currently Under Revision)

Guides

2013 – Engineering Guide: Fire Safety for Very Tall Buildings (Published by ICC)

2011 – Guide #6 -- Guidelines for Substantiating a Fire Model for a Given Application

2009 – Position Statement 03 -- Guidelines for Peer Review in the Fire Protection Design Process

2007 – Performance-Based Fire Protection, 2nd Edition (Published by NFPA)

2007 – Predicting Room of Origin Fire Hazards

2006 – Guide #4 -- Fire Risk Assessment

2004 – Fire Exposures to Structural Members

2004 – Code Officials Guide to Performance-Based Design Review (Published by ICC)

2003 – Human Behavior in Fire (Currently Under Revision)

2002 – Piloted Ignition of Solid Materials Under Radiant Exposure

2002 – Evaluation of the Computer Fire Model DETACT-QS

2000 – Engineering Guide to Predicting 1st and 2nd Degree Skin Burns

1999 – Engineering Guide to Assessing Flame Radiation to External Targets from Liquid Pool Fires

Other Documents

A current listing of other SFPE documents that are not standards/guides, can be found at: <https://sfpe.site-ym.com/?StandardsLibrary>.