

### **MINUTES**

## NFPA Technical Committee on Fundamentals NFPA 101 and NFPA 5000 Second Draft Meeting

Wednesday, June 22, 2016 Hilton Fort Lauderdale Marina Fort Lauderdale, Florida

- 1. Call to order. The meeting was called to order by Chair Wayne "Chip" Carson at 8:00 a.m. on June 22, 2016 at the Hilton Fort Lauderdale Marina, Fort Lauderdale, FL.
- 2. Introduction of committee members and guests.

### TECHNICAL COMMITTEE MEMBERS PRESENT

NAME	COMPANY
Wayne Carson, Chair	Carson Associates, Inc.
Nasser Al Zeyara, Principal	Qatar Civil Defense
Andrew Blum, Principal	Exponent, Inc.
Amy Cheng, Principal	Clark County Department of Development
	Services
David Frable, Principal	US General Services Administration
Ralph Gerdes, Principal	Ralph Gerdes Consultants, LLC
	Rep.: American Institute of Architects
Norman Groner, Principal	John Jay College of Criminal Justice
David Jacoby, Principal	Simpson Gumpertz & Heger
Chris Jelenewicz, Principal	Society of Fire Protection Engineers
David Klein, Principal	US Department of Veterans Affairs
Scott Laramee, Principal	Aon Fire Protection Engineering Corporation
Vickie Lovell, Principal	InterCode Incorporated
Ricardo Murga, Principal	US Department of Health & Human Services
Milosh Puchovsky, Principal	Worcester Polytechnic Institute
Rodger Reiswig, Principal	Tyco/SimplexGrinnell
	Rep.: Automatic Fire Alarm Association
Jon Roberts, Principal	UL LLC
David Tyree, Principal	American Wood Council
Victoria Valentine, Principal	National Fire Sprinkler Association, Inc.
Daniel Finnegan, Alt. to Jack	Siemens Industry, Inc.
McNamara	Rep.: National Electrical Manufacturers
	Association

Thomas Hammerberg, Alt. to	Automatic Fire Alarm Association, Inc.
Rodger Reiswig	Rep.: Automatic Fire Alarm Association, Inc.
Jonathan Humble, Alt. to Farid	American Iron and Steel Institute
Alfawakhiri	Rep.: American Iron and Steel Institute
Jake Pauls, Alt. to Stanley	Jake Pauls Consulting Services
Harbuck	Rep.: American Public Health Association
Gregory Harrington, Staff	National Fire Protection Association
Liaison	

# TECHNICAL COMMITTEE PRINCIPAL MEMBERS NOT PRESENT (NOT LISTED WHERE ALTERNATE ATTENDED)

NAME	COMPANY
Salvatore DiCristina, Principal	Rutgers, The State University of New Jersey
Michael Gencarelli, Principal	US Department of the Navy
James Lathrop, Principal	Koffel Associates, Inc.
Thomas McKeon, Principal	Everest National Insurance
Patrick Saba, Principal	Hewlett Packard Company
Steven Wydeveld, Principal	Wydeveld Construction & Consulting, Inc.

### **GUESTS**

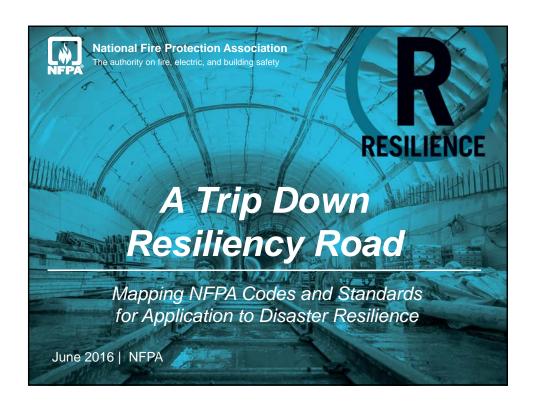
NAME	COMPANY
Mike Beady	National Fire Protection Association
Dave Bueche	Hoover Treated Wood
Ben Caldwell	Architect – Skidmore Owing Merrill
Sam Francis	American Wood Council
Marcelo Hirschler	GBH International
Joseph Holland	Hoover Treated Wood Products
Dominique Nigloschy	National Fire Protection Association
Robert Solomon	National Fire Protection Association
Thomas Zaremba	Roetzel & Andress

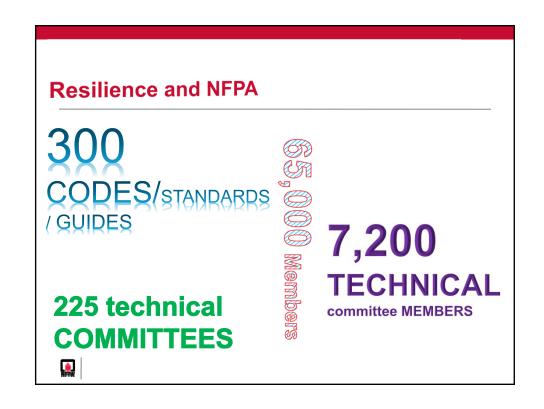
- 3. Previous minutes. The July 30, 2015 first draft meeting minutes were approved as submitted.
- 4. Process. Staff provided an overview of the second draft meeting procedures. See the meeting agenda for the PowerPoint slides.
- 5. Term "temporary" task group report Michael Gencarelli, TG Chair. No report.
- 6. Multi-hazards (other than fire) task group report Norm Groner, TG Chair. The task group had no activity to report and was discharged with thanks.
- 7. Formatting task group report (re: No Requirement, No Special Requirement, Reserved) Jonathan Humble, TG Chair. No report. The task group was discharged with thanks.

- 8. NFPA 101 Second Draft preparation. The TC reviewed the Public Comments and developed Second Revisions as applicable see the NFPA 101 second draft report.
- 9. NFPA 5000 Second Draft preparation. The TC reviewed the Public Comments and developed Second Revisions as applicable see the NFPA 5000 second draft report.

#### 10. Other business.

- a. Robert Solomon, NFPA, gave a brief presentation on disaster resilience. The concept could be incorporated into future editions of the codes. See attachment.
- b. Norm Groner raised the issue of risk analysis in NFPA standards, and how it is addressed across the code set. A motion passed to submit a request to the Fire Protection Research Foundation to initiate a code fund project to evaluate how risk analysis is addressed within NFPA standards. Staff will coordinate with the chair and Mr. Groner.
- 11. Future meetings. The committee will next meet to prepare the first drafts of the 2021 editions of NFPA 101 and 5000 in 2018.
- 12. Adjournment. The meeting adjourned at 1:00 p.m.









# **Report Content**

### Scope of Work

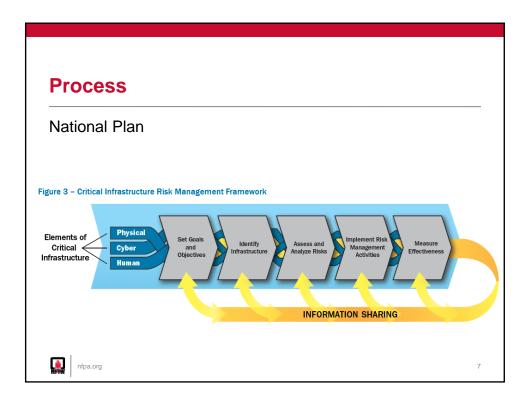
- Literature Review
- Codes and Standards Mapping/Gap Assessment
- Report on all Findings

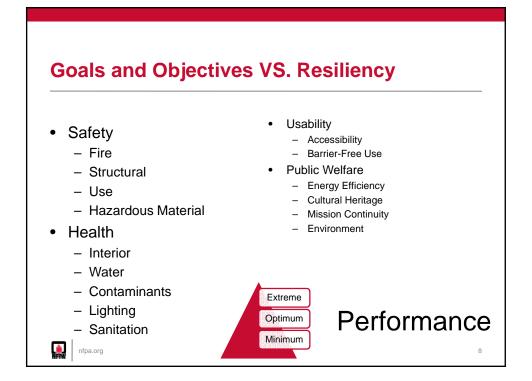
Community Resilience as a Metaphor, Theory, Set of Capacities, and Strategy for Disaster Readiness

Fran H. Norris · Susan P. Stevens · Betty Pfefferbaum · Karen F. Wyche · Rose L. Pfefferbaum





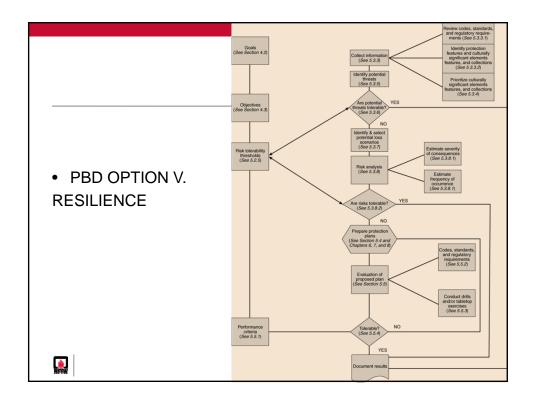


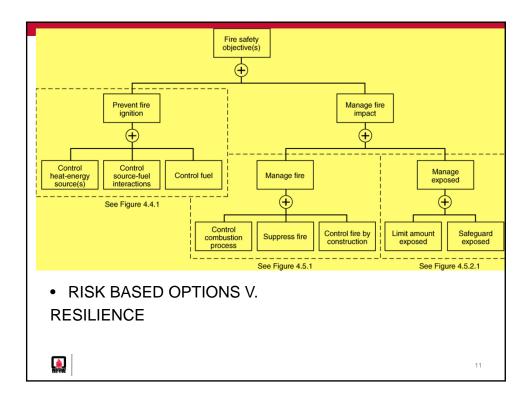


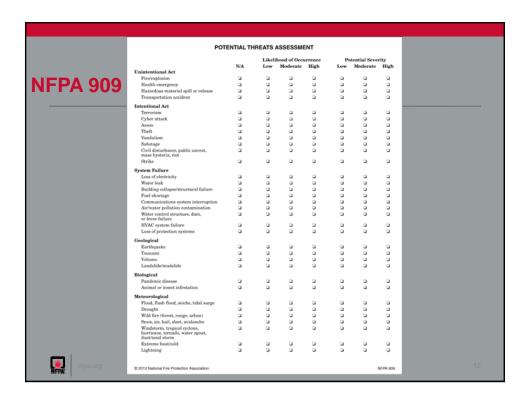
### **Themes**

### Resilience

- Includes technical, organizational, social, economic dimensions
- Requires action (plan, prepare, prevent, protect, mitigate, respond, recover)
- Requires preparation/response 2B ADAPTIVE
- Has focus on minimizing damage/disruption to: public health and safety, economy, environment, national security
- Includes ability to manage events
  Influence
  Natural
  Human Caused





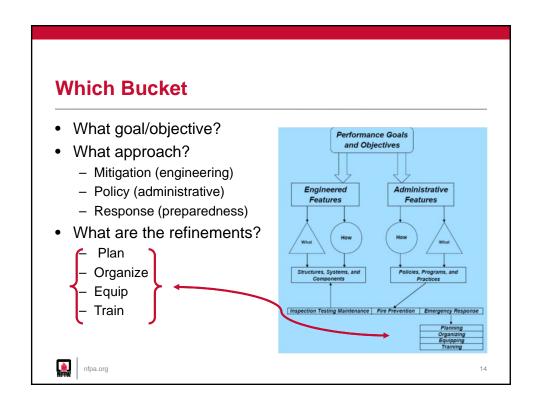


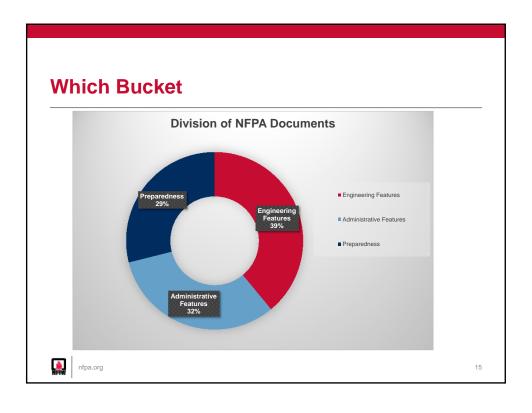
### **NFPA Documents**

- Code
  - Extensive subject area; adopted into law. WHEN TO
- Standard
  - Narrowed subject area; referenced by Code. HOW TO
- Guide
  - Narrowed subject area-usually a process; advisory and informative. ANALYZE
- · Recommended Practice
  - Narrowed subject area-usually a good idea; HOW TO-IF YOU WANT



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# **Regulatory Models and Risk Assessments: Setting Resilience Targets**

- Metrics Include
  - (1) Human losses
  - (2) Environmental damage
  - (3) Property damage
  - (4) Business interruption
  - (5) Risk control program implementation costs

- (8) Loss of structures and objects with heritage significance

- (6) Loss of image
- (7) Loss of community confidence

- **Damage Metrics** (Mitigation)
  - 'Acceptable' Loss
    - Human
    - Property/Content
    - Mission
  - Quantifying
    - How many (Mortality)
    - How much (Money)
    - How bad (Manage)

NEPA

