

**NFPA 502**  
**Technical Committee on Road Tunnel and Highway Fire Protection**  
**A2013 Pre-ROP Web/Teleconference Meeting Minutes**  
**October 21, 2011**

**1. Call to Order**

Web/Teleconference was called to order by Bill Connell at 9:20 AM EST on Friday October 21, 2011.

**2. Introductions & Roll Call**

Sandra Stanek was introduced as the new staff liaison for the NFPA 502 Committee.

The following members, alternates, and guests were in attendance:

<b>Name</b>	<b>Representing</b>
<b><i>Principal Members</i></b>	
Sandra Stanek	NFPA Liaison
Bill Connell, Chair	PB Americas, Inc.
Ian Barry	IEB Consulting
Arthur Bendelius	A&G Consultants, Inc
Alan Brinson	International Fire Sprinkler Association
John Dalton	WR Grace
Alexandre Debs	Ministere Des Transports Du Quebec
Arnold Dix	Counsel at Law/Adj. Prof. Engineering
Mike Fitzpatrick	Massachusetts Department of Transportation
Jason Huczek	Southwest Research Institute
Haukur Ingason	SP Technical Research Institute of Sweden
Ahmed Kashef	National Research Council of Canada
Joseph Kroboth, III	Washington County Division of Public Works
Igor Maevski	Jacobs Engineering
Tony Marino	Port Authority NY/NJ
Maurice Pilette	Mechanical Designs Ltd.
David Plotkin	AECOM
Norman Rhodes	Hatch Mott MacDonald
Rene van den Bosch	Promat
<b><i>Alternates</i></b>	
Daniel Dirgins	PB Americas, Inc
Gary English	Seattle Fire Department
Russell Fleming	International Fire Sprinkler Association
Stefan Kratzmeir	FogTec Fire Protection

Nader Shahcheraghi                      AECOM

***Guests Present***

Chiam Boon                                      Land Transport Authority - Singapore  
Jim Conrad                                      RSCC Wire and Cable

***Members & Alternates not Present***

David LeBlanc                                      Tyco Fire & Building Products  
John Nelson                                      Seattle Fire Department  
Jesus Rohena                                      Federal Highway Administration  
Dirk Sprakel                                      FogTech Fire Protection  
Melvin Thong                                      Land Transport Authority - Singapore  
Mark Janssens (alt)                              Southwest Research Institute  
Leong Kwok Weng (alt)                              Land Transport Authority - Singapore

***Note: Members not in attendance should refer to the task group assignments attached to these meeting minutes for their expected task group participation.***

**3. Committee Member Status & Update of Membership Roster**

***Resignations***

Kai Kang    Jacobs Engineering  
Roger Lichtenwald                                      American Warming and Ventilating  
Colin Macedo                                      HNTB  
Darham Pal    Port Authority NY/NJ

***New Principal Members***

John Dalton    WR Grace  
Alexandre Debs                                      Minstere Des Transports Du Quebec  
Mike Fitzpatrick                                      Massachusetts Department of Transportation  
Tony Marino    Port Authority NY/NJ  
David Plotkin    AECOM  
Norman Rhodes    Hatch Mott MacDonald

***New Alternates***

Nader Shahcheraghi                                      AECOM  
(alt to D. Plotkin)

***SEE CURRENT MEMBER LIST ATTACHED***

#### 4. Key Dates for NFPA of 502 A2013 Revision Cycle

Sandra Stanek reviewed the timeline and key dates associated with the A2013 revision cycle which results in the issuance of the 2014 Edition of the Standard:

Proposal Closing	November 25, 2011
ROP Meeting	January 16-19, 2012
ROP Published	June 22, 2012
Comments Closing	August 31, 2012
Final Date for ROC Meeting	November 2, 2012
ROC Published	February 22, 2013
Intent to make motion closing (NITMAN)	April 5, 2013
NFPA Annual Meeting (tbd)	June 2013

***See A2013 Revision Cycle Schedule Attached***

#### 5. Goals of Meeting

**The chair identified the following primary goals for this meeting:**

- Prepare and coordinate committee activities to support the new revision cycle.
- Establish Task Groups to ready committee proposals for presentation at the ROP meeting.
- Reinforce the need for members and Task Groups to be well prepared in advance of the ROP Meeting in January 2012 to ensure an efficient a process as possible.

#### 6. Approval of Meeting Minutes from September 28-30, 2009 ROC Meeting Minutes from the ROC Meeting held in San Diego, CA.

Meeting minutes were accepted and approved without comment.

#### 7. Industry Updates

**Publications:**

- **Design Fires in Road Tunnels National Cooperative Highway Research Program, NCHRP Synthesis 415**

The Chair acknowledged committee member Igor Maevski for his authorship of this document which was published earlier this year. Committee members Gary English and Jesus Rohena served on the expert review panel. .

- **ITA Committee on Safety of Underground Facilities (COSUF) Updated survey of existing regulations and recognized recommendations (operation and safety of road tunnels) August 2011.**

A recently updated compendium of existing regulations and recommendations regarding road tunnel operation and safety is available at the following web link:

<http://www.ita-aites.org/?id=699>

#### **Conferences/Symposiums:**

- **ISTSS 2012, 5<sup>th</sup> International Symposium on Tunnel Safety and Security, March 14-16, 2012, New York City**  
<http://www.istss.se/en/symposium/istss2012/Registration/Sidor/default.aspx>  
[X](#)

- **2nd International Conference on Fires in Vehicles, September 27-28, 2012, Chicago, IL**

More information is available at the following web link:

<http://www.firesinvehicles.com/en/Sidor/default.aspx>

- **Transportation Research Board 91<sup>st</sup> Annual Meeting, January 22-26, 2012, Washington DC**

Igor Maevski to present Design Fires in Road Tunnels National Cooperative Highway Research Program, NCHRP Synthesis 415 to the AASHTO T-20 committee.

- **ASHRAE Winter Conference, January 21-25, 2012, Chicago IL**

Igor Maevski to present Design Fires in Road Tunnels National Cooperative Highway Research Program, NCHRP Synthesis 415.

#### **Other:**

- **National Research Council Canada, Protection of Transportation Infrastructure from Fire Damage**

The NRC Institute for Research in Construction (NRC-IRC) is currently developing systems to assess the condition, performance and remaining service life of certain critical infrastructure, and to protect them from hazards such as earthquakes, wind, floods, and explosions. More information is available at the following web link:

<http://www.nrc-cnrc.gc.ca/eng/ci/v16n3/15.html>

- **US Department of Transportation - - Past NFPA 502 staff liaison**

Jason Gamache is now working at the USDOT's Volpe Center (Cambridge, MA), which facilitates research projects for the improvement of transportation infrastructure. Jason has offered their assistance to the

committee for any potential research projects. His email address is:  
[jason.gamache@dot.gov](mailto:jason.gamache@dot.gov)

## **8. Proposed Issues Requiring Address for A2013**

The committee was asked to identify topics and areas for consideration in the A2013 revision cycle. Bill Connell indicated that the areas selected should be achievable within the relatively short timeframe available. Some specific items for consideration that were briefly identified are listed below:

- How to address exiting tunnels, tunnel length extensions, overbuilds, retroactivity, etc (T. Marino)
- Various “official” proposals submitted to NFPA (A. Brinson)
- Reference standards regarding testing of materials for protection of structure (J. Dalton)
- General document editorial clean-up. (B. Connell)
- Table 7.2 edits (B. Connell)
- Review full applicability of NFPA 101 to tunnel Emergency Egress requirements (B. Connell)
- Review full applicability of NFPA 13 to tunnel FFFS requirements (B. Connell)
- Harmonizing NFPA 502 with NFPA 130 where applicable (D. Plotkin)
- Further clarification of Scope and areas of inapplicability in Paragraph 1.1.3 (D. Plotkin)
- Clarification regarding depressed highways, air rights structures, underground bus station approach tunnels (D. Plotkin)

It will be the responsibility of the appropriate Task Group to address these issues. Public proposals will also be categorized and assigned to the appropriate Task Group for recommended action at the ROP.

## **9. Establishment of Task Groups**

Task Groups from the previous cycle were reviewed to determine the need or desire to maintain their category of focus for this current cycle. It was decided that all twelve (12) previous Task Group categories should remain in place.

Each Task Group category was discussed and committee members were assigned based on their areas of interest/expertise. Task Group leaders were identified.

Task Groups shall establish their own individual agendas with the goal being to prepare Committee Proposals for presentation at the ROP Meeting. In addition, public proposals received by the November 25<sup>th</sup> closing date will be categorized and distributed to the appropriate Task Groups for recommended action at the

ROP Meeting. Bill Connell reiterated that the Task Group agendas should be achievable within the short period of time available between now and the ROP meeting. Members were also reminded that Committee Proposals can still be refined at the ROC Meeting.

***A list of the Task Groups and individual committee member assignments are attached.***

**10. ROP Meeting January 15-19, 2012 in Tempe, AZ.**

The Chair presented the following as a draft agenda for the ROP Meeting noting that meeting space at the hotel will be available for the Task groups to use on the 15<sup>th</sup> and 16<sup>th</sup>:

- Day One – Members arrive at meeting location and Task Groups meet to refine committee proposals.
- Day Two (Morning) – Task Groups continue.
- Day Two (Afternoon) – Convene full Committee to begin to address public proposals.
- Day Three – Full Committee completes addressing public proposals.
- Day Four - Full Committee to consider Task Group (committee) proposals.
- Day Five (Morning) - Full Committee to complete Task Group (committee) proposals. Adjourn.

**11. Confirmation of Assignments**

A list of the Task Group categories and members assignments will be drafted and distributed immediately for all members present and absent to confirm. (This was done and final assignments are attached).

**12. Meeting Adjourned @ 12:10 noon EST on October 21, 2011**