

MEETING MINUTES OF THE
TECHNICAL COMMITTEE ON
STRUCTURAL AND PROXIMITY FIRE FIGHTING PROTECTIVE CLOTHING
AND EQUIPMENT

JULY 26-28, 2011

PROVIDENCE HILTON
PROVIDENCE, RI

ROP MEETING FOR NFPA 1851

Tuesday, July 26, 2011:

Agenda Item 1 Call to order, Committee Procedures and Liaison Report

The meeting was called to order with opening comments by Chairman Steve King at 9:00 AM, EST.

Agenda Item 2 Introduction of Members and Guests

Introduction of members and guests in attendance.

Members Present:

Steve King	1851 Committee Chairman
Dave Trebisacci	NFPA Staff Liaison
John Rihn	Acting Secretary – MSA
Mark Dolim	L.N. Curtis & Sons
Tim Durby	International Fire Service Training
Patricia Freeman	Globe Manufacturing
Richard Granger	Charlotte Fire Department
A. Harkness	US Department of the Navy
William Haskell	NIOSH
Emeral Hayden	IAFF
Pamela Kavalesky	Intertek Testing Services
Steve Lakey	Verified Independent Services Providers8
Michael Laton	Honeywell First Responder Products
Karen Lehtonen	Lion
Lance Matiste	Fire-Dex
Daniel Melia	Fire Department City of New York
Andrew Oliver	Gear Wash LLC
Louis Ott	Gentex Corporation
Matthew Pegg	Ontario Assoc. of Fire Chiefs
Stephen Raynis	Fire Department City of New York
Angie Shepherd	NIOSH
Kelly Sisson	City of La Mesa Fire Department
Douglas Sloan	Honeywell First Responder Products
Robert Tutterow	Charlotte Fire Department
Harry Winer	HIP Consulting LLC

Guests Present:

James Baker	Total Care
Brian Barton	Stedfast Inc.
Karl Beeman	Karl Beeman, Inc.
Holly Blake	W.L. Gore & Assoc., Inc.
Ron Bove	W.L. Gore & Assoc., Inc.
R. Scott Colvin	Maryland Fire Equipment
Michael Dillon	Providence Fire Department
Stephanie Domenico	NFPA Product Development
Chris Dorsey	Friends 2 the Rescue/VISPA
Jim Evans	Solutions Safety
Glenn Florio	ACW
Stewart Gantt	W.L. Gore & Assoc., Inc.
Tim Gardner	3M Occupational Health
Chris Gaudette	Reflexite Corp.
Bill Horay	Fire Department of New York City
Wendy Horowitz	ACW
Rick Johnson	Gear Cleaning Solutions
Geeyoung Lakey	Northwest Safety Clean
Roland Landry	Falcon Performance Footwear/Globe
Ken Lehman	Marken PPE
Harrish Lilani	NORFAB
Nora Malone	Black Diamond Group
Brian Marengo	Honeywell
Timothy McDaniel	Providence Fire Department
Amanda Newsom	UL
Ann Overbaugh	Intertek
Kirk Owen	Tencate Protective Fabrics
Steven Pare	City of Providence
Jim Reidy	Texas State Assoc. of Fire Fighters
Marni Schmid	Fortunes Collide Marketing
Brian Shiels	PBI Performance Products
Daniel Silvestsi	911Clean
Bruce Teele	NFPA Retired
Tim Tomlinson	Gear Cleaning Solutions
Thomas Warren	Providence Fire Department
Richard Weise	Southern Area Fire Equipment & Research
Jennifer Wise	W.L. Gore & Assoc., Inc.
Joe Xiras	Minerva Bunker Gear Cleaners
Cerina Yeaton	Globe Manufacturing
Rich Young	Dupont

Agenda Item 3 Committee Procedures and Staff Liaison Report

Committee proceedings and staff liaison report read by Dave Trebisacci.
Opening welcome remarks by Steven Pare, Commissioner of Public Safety, Providence, RI.

Agenda Item 4 Approval of Meeting Minutes

Motion made by Harry Winer to accept the meeting minutes from the New Orleans meeting (April 4, 5, and 6), second by Earl Hayden.

Motion accepted by committee.

Agenda Item 7 Actions on Public and Committee Proposals to NFPA 1851

Report on Proposals: 43 ROP logs were reviewed discussed and recommendations were made. Recommendations and substantiations have also been recorded in the staff liaison notes.

Discussion on Log # 18

Motion made by Earl Hayden, second by Douglas Sloan to reject Lot #18.

Motion to reject carried by committee with one member opposing.

Discussion on the motion: The Committee agreed there is a need to continue to look at the 10 year life span of gear used and stored after date of manufacturing. The committee will look to the NFPA Fire Research Foundation for testing of PPE ensembles to better understand the effects of storing Structural Firefighting Ensembles for long periods of time. The committee has also agreed to revisit Annex A.10.1.1 and A.10.1.2 to determine if the 10 year retirement criteria needs addressed or adjusted.

Discussion on Log #27

Motion made by Harry Winer to reject Log #27, second by Steve Lakey.

Motion carried by committee vote. The committee rejected the proposal because no technical data was provided to support changing the test time.

Wednesday, July 27, 2011:

Opening Comments and Introductions

Chairman King introduced Chief Michael Dillon, Providence Fire Dept. The Chief welcomed 1851 to Providence, thanked the committee for all their hard work and dedication and invited all to visit the dept. while in Providence.

Discussion on Log # 20 Discussion regarding Verified ISP's and ISP's.

The committee addressed and discussed the following questions:

- (1) Does the verification program need to be expanded beyond garments?
- (2) Should organizations and non-verified ISP's continue to be able to perform everything except items requiring verification?
 - Fire service wants to retain the ability to perform basic repairs, inspection and cleaning as instructed by the manufacturer.
- (3) Should all ISP's be verified to the current requirements?
Straw poll vote by the committee 13 yes, 2 no, 2 abstain.
- (4) Should verification be extended to address more than just the (current) major repairs of garment elements only (ie., should it be extended to cleaning & inspection, or to gloves, helmets, footwear, etc.)?
 - Straw poll taken... Committee agreed to expand verification beyond repairs of garments.

The committee agreed to form a task group to address these issues regarding ISP's. The following have been assigned;

Rich Grainger – Task Group Chairperson
Karen Lehtonen

Patricia Freeman
Jim Evans
Jim Baker
Karl Beeman
Pamela Kavalesky
Amanda Newsome
Kelly Sisson
Brian Marengo
Steve Lakey
Dan Melia
Mike McKenna

Discussion on Log #34

Motion made by Tim Durby to reject log 34, second by Bill Haskell.

The technical committee rejected the proposal because it believes that the 3 year requirement is sufficient.
Motion carried with one opposed.

Discussion on log #32 The committee discussed that the log was confusing and had difficulty determining the intent of the log.

Motion was made by Kelly Sisson, second by Matthew Pegg to reject log #32.

The committee felt the proposal was confusing. 6 votes in favor to reject, 7 votes opposed to reject.

Motion was made by Patricia Freeman, second by Dan Melia to accept in principle.

Motion carried 13 for and 1 opposed.

The committee discussed the log has good meaning however additional clarification needed to be added to the log. The technical committee accepted the proposal in principle and provided amended text to the submitted Annex item.

Discussion on Log #42 This log is related to Log #43. The committee discussed the various types and sizes of holes in moisture barriers and the size of seam tape required to repair based on the distance the tape must extend beyond the hole or tear. This log is rejected. The definition of a patch is not required. Refer to log #43.

Discussion on log #43 The technical committee accepted the proposal in principle, and added a second clarifying sentence to the original proposal text to require a patch of the same moisture barrier material to be used on holes greater than ½ inch. Accept in principle.

Where moisture barrier tears, holes, or abrasions are being repaired, a single width of seam tape shall be used and shall be required to extend at least 12.5 mm (1/2 inch) in all directions beyond the edge of the repaired damage.

Where the moisture barrier has a hole or abrasion measuring more than 12.5 mm (1/2 in.) in diameter or a tear greater than 3 inches in length, a patch consisting of the same moisture barrier fabric shall be used for repair.

Thursday, July 28, 2011

Committee Chairman Steve King called the meeting to order at 8:00 AM.

The committee discussed adding clarification to A. 6.4.3.1 addressing the inspection frequency garment elements after the replacement of the moisture barrier. A committee proposal will be submitted.

Discussion on Chapter 10, CP2, A.10.1.1 Retirement Criteria. The intent of CP2 is to replace the wording in A.10.1.1 supporting the 10 year retirement criteria.

Discussion on Chapter 12, 12.1.5.3 Chairman King read letter from Marni Schmid, Fortunes Collide Marketing. A committee proposal (CP5) was created to address the complete liner inspection related to the Light Test which is first performed in the advanced inspection.

Discussion on 8.2.3 CP3, Delete ‘32 cm² (5in²)’ and replace with “160 cm² (25 in²). Discussion on repairs larger than 25 in². Area dimensions are incorrect. Add sentence clarifying repairs larger than 25in² “For any tear, char mark, ember burns, and abraded areas that require a patch larger than 160 cm², the manufacturer shall be consulted.

Discussion on Suggested Committee Proposal to add appendix to section 6.4.5.1. (Submitted by Jeff Stuhl) The proposed appendix language would provide additional details for how the complete liner is inspected. Proposal will be submitted as CP6

Discussion on Suggested Committee Proposal to add appendix to section 7.3.7. (Submitted by Jeff Stuhl) The proposed appendix language provides guidance to organizations involving in cleaning protective elements on determining if the selected detergent falls with the specified range of pH and other factors related to the selection of an appropriate detergent. A second part of the proposed appendix section provides possible procedures for comparing the soiling removal effectiveness of detergents.

The committee chooses to break the proposal into two CP’s, CP7 and CP8. Proposed Annex language may provide information and the TC is including it to seek public input in the comments stage.

Discussion on Suggested Committee Proposal to add appendix to section 7.1.4.1 (Submitted by Jeff Stuhl) The committee decided not to submit as a proposal. The committee does not support a recommended method of cleaning garments after exposure to asbestos. 7.1.4.2 Addresses this.

The committee will form Cleaning Task Group to look at the current cleaning chapter 7 to see if improvements can be made on how to clean, decontaminate, and disinfect structural firefighting ensembles.

Tim Durby– Chairman
Matthew Pegg
Emeral Hayden
Bill Horan
Andy Oliver
Steve Lakey
Jim Baker
Jim Evans
Brian Marengo
Karl Beeman
Angie Shephard

Discussion on 12.3.3.3.1(5). Change the 1 psi to ½ psi. The TC is seeking public input on reducing the pressure on the water penetration barrier evaluation to determine if this modification will provide more applicable results during the barrier evaluation. The committee agreed not to change from the 1 psi.

Comments by Kirk Owens, Retirement, Chapter 10. Discussion regarding the use of gear that is older than 10 years. CP 10 has been submitted to clarify the use of retired protective ensembles.

Agenda Item 6 - Proposed TIA to NFPA 1851

Discussion on Proposed TIA: Chapter 4 Program, Chapter 6 Inspection, Chapter 7 Cleaning and Decontamination, Chapter 8 Repair.

Karen Lehtonen will contact Mark Kendall (submitter of TIA) to suggest withdrawing this TIA and offer alternative TIA to change the wording in 4.2.5 (and other sections) “shall be trained by the element manufacturer” to “shall be trained by any element manufacturer”.

Agenda Item 8 - Old Business

Review of TCC Meeting Minutes (from May 2011)

The committee reviewed recommended TCC Action on Glove Test Issues in NFPA 1971 and NFPA 1851

The TCC acknowledges the value of the new tests for hand tool dexterity, torque, and changes to the grip test from the use of a halyard to the vertical fiberglass pole. However, the TCC directs the TC to undertake, at the earliest opportunity, inter-laboratory testing to further validate the test procedures and determine the variability of the respective tests. In addition, the TCC directs the TC to carry out a properly designed evaluation that compares the field evaluation of gloves with test data obtained on the same gloves from the new tests in order to set meaningful performance criteria that will have a measurable impact for improving the hand function of current gloves used by the fire service.

The TC will look to the Fire Protection Research Foundation to conduct field evaluations on tool dexterity, torque, and changes to the grip test from the use of a halyard to the vertical fiberglass pole.

Fire Protection Research Foundation areas of interest as recommended by the TC.

- (1) Cleaning and disinfecting of PPE.
- (2) 10 yr Retirement of PPE ensemble elements.
- (3) Conduct field evaluations related to the TCC Action on Glove Test Issues.
- (4) Wicker Test.

Discussion on “All Hazards” (from TCC minutes May 2011)

Rich Duffy proposed that all references to “CBRN” be changed to “All Hazards”. Rich provided a handout with proposed language (copy attached, marked RD 1). Rich expressed concern that the Authority Having Jurisdiction often equates CBRN to Terrorism, which can have a negative impact on a municipality’s willingness to seek funding. Rich pointed out that the term “All Hazards” is becoming more frequently used within the industry as describing the wide range of hazards that firefighters face in their day to day operations, independent of any terrorism incident.

The committee discussed this at length. The major concern is that the term “All Hazards” could be perceived as all encompassing, which could lead to confusion in the field.

The committee will report back to the TCC that this has been reviewed and discussed. This technical committee is not opposed to replacing the term “CBRN” however the term “All Hazards” is too broad.

Discussion on the Wicker Test

Michael Laton discussed the progress and work being performed on the Wicker Test. Mike suggests to the TC that a Task Group be formed to pursue investigating test methods and composites.

Agenda Item 9 - New Business

Discussion lead by Patricia Freeman Recommends a CP to add Annex to 4.4.2.
Suggested Annex – “It should be noted that the intent of this requirement is not to allow manufacturers to dictate which ISP an organization must use. The organization is allowed a choice in service providers for repairs, cleaning and inspection.”

Next meetings proposed:

January 11 - 12, 2012. Location TBD
April 3 – 5, 2012. Location TBD

Motion to adjourn meeting by Harry Winer, Second by Rich Grainger.