

MINUTES OF THE MEETING

TECHNICAL COMMITTEE ON HAZARDOUS MATERIALS PROTECTIVE CLOTHING AND EQUIPMENT

**May 17-18, 2010
Linthicum, MD**

The meeting was called to order by acting chair Karen Lehtonen, at 13.00 on Monday 17 May 2010. The following members and guests were present:

MEMBERS IN ATTENDANCE:

Karen Lehtonen, Acting Chairman; Lion Apparel, Inc.
Pat Gleason, Secretary; Safety Equipment Institute
David Trebisacci, NFPA Staff Liaison

Bill Alexander	Onguard Industries
Richard Daly	St. Charles Fire Department
William Fithian	Safety Equipment Institute
Dan Gohlke	W L Gore and Associates
Ira Harkness	US Department of the Navy (NSWC)
Bill Haskell	NIOSH PPTL
Bruce Kelly	Fairfield County Haz Mat Team
Ron Koniz	Gentex Corporation
David Mack	Trelleborg Protective Products
Tom Martin	Lion Apparel, Inc.
John North	Alexandria Fire Department
Ulf Nystrom	Trelleborg Protective Products AB
Paul Rogers	FDNY
Dominic Tralli	FDNY
Jim Zeigler	DuPont Personal Protection
Michael Ziskin	Field Safety Corporation

GUESTS IN ATTENDANCE:

Jason Allen	Intertek
Tom Ames	Blauer Manufacturing Co.
Ted Cooper	US Department of the Navy (NSWC)
Alan Culpepper	Geomet Technologies, LLC
George Gianforcaro	Indutex USA
Ryan Hirschey	Saint-Gobain Performance Plastics
Hoyt Hughes	Trelleborg Protective Products AB
Mike Kienzle	W.L. Gore & Associates
Peter Kirk	Saint-Gobain Performance Plastics
John Langley	Kappler Inc.
Philip Mann	Kappler, Inc.
Robert Lingo	Gentex/ISEA
Robert Sell	Draeger Safety
Chris Mekeel	Intertek

Members and guests introduced themselves. NFPA Staff Liaison, Dave Trebisacci, read the Committee Procedures statement. A sign-in sheet was circulated to members and guests.

The Minutes of the last Committee meeting, held in Dayton, OH were reviewed.

Motion by Bill Haskell, second by Dan Gohlke

To: Approve the Minutes of the meeting, 23-25, February 2010 in Miamisburg, OH.
Motion Carried.

Chair Remarks

Karen Lehtonen, filling in for Chairman Jirka, welcomed everyone to Baltimore. Karen extended regrets from Chairman Glenn Jirka as he was unable to attend the meeting due to demands at his department. The purpose of this meeting is to complete actions on the proposals for NFPA 1991, NFPA 1992 and NFPA 1994.

As reminder, the NFPA Standards Council approved a request for a one year delay in the standards publication cycles for NFPA 1991, NFPA 1992 and NFPA 1994 to address numerous issues including the questions regarding data used to set hazardous chemical agent performance levels in the standards. The standards are now on the NFPA Fall 2011 Revision Schedule.

Dave Trebisacci reported that he will continue to maintain a travel file which includes all actions taken on proposals for NFPA 1991, NFPA 1992 and NFPA 1994. Actions will be displayed on a screen during the TC meeting for members' approval.

All actions will be confirmed by a letter ballot, and each proposal is balloted individually. Dave also confirmed that a clean draft of each standard will be included in the letter ballot. The letter ballot for the Report on Proposals will be issued in late August.

The TC reviewed open logs for **NFPA 1991**.

With regard to an assignment from the previous meeting, Karen Lehtonen provided text found acceptable to the TC for sections 7.1 – 7.6 to address Log 1.

In discussing Log #CP14, Karen provided the draft TC substantiation. Additionally, the TC added a new section 4.3.18 requiring the certification organization to ensure that the manufacturer tests each vapor protective suit element for gas tight integrity and provide results to the purchaser.

With regard to Log #40, the TC decided to use the project definition of composite.

A Committee Proposal was added to include the heel breast height minimum and maximum.

Action on Log #48 was a Reject with substantiation to the effect that the standard currently makes provisions for a reduced amount of testing per Section 4.4.

A new Committee Proposal was presented to revise Section 5.3.1.2 to require the technical data package to contain all documentation required by NFPA 1991, and the values obtained from the initial certification demonstrating compliance with the requirements in Chapter 7.

The TC reviewed open logs on **NFPA 1992**. In order to standardize the language on samples & specimens, Dan Gohlke provided language for CP #6 - 8.13, CP #7 - 8.20 and CP #8 - 8.21 which was acceptable to the TC. Substantiations were also developed by the TC. A new CP #9 was added to incorporate the additional Technical Data Package requirements from NFPA 1991 into NFPA 1992.

Additionally, CP #3 will incorporate minimum and maximum heel breast height requirements as per NFPA 1991 TC action. Log #14 was completed by taking the language from Log #40 from NFPA 1991.

The TC reviewed open logs on **NFPA 1994**

Log #5 is an Accept in Principle based upon the table provided by Jim Zeigler which was subsequently revised and accepted by the TC. Discussion on Log #22 and Log #38 resulted in the action to reject the proposal inasmuch as unresolved modifications to the ASTM MIST standard F2588 prevent the TC from referencing it today. Action on Log #38 was also a Reject for similar rationale.

The TC next focused on the remaining NFPA 1994 footwear and permeation logs still requiring TC action.

The Footwear Task Group was established to address footwear logs relating to physical protection:

Don Thompson – Chair

Steve Corrado – UL

Jason Allen – Intertek

Bill Alexander – Onguard

Tom Martin – Lion Apparel

Jim Ziegler – DuPont

Ted Cooper – US Navy (guest, not committee member)

The Footwear Task Group presented their recommendations which lead to the following actions:

Log #9 is an Accept in Principle,

Log #10 is an Accept in Principle (same action as log #10 in NFPA 1991)

Logs #12, #14, and #15 are a Reject,

Log #13 is an Accept.

A Committee Proposal, CP 5, was developed to include the heel breast height minimum and maximum requirement in section 4.1.5.2.

Following discussion on the current situation with the slip resistance test method, it was decided to use the SATRA method as a place holder until the ASTM slip resistance test method is published. The following action occurred:

Motion by Jim Zeigler Zeigler, second by Bruce Kelly:

To create individual Committee Proposals for a replacement slip resistance test in NFPA 1991, NFPA 1992 & NFPA 1994. The substantiation will be that ASTM F489 has been withdrawn. This change reflects a modification to reference a replacement test method and performance requirement.

Motion Carried

Log CP 2 was developed to revise the definition of ionizing radiation to reflect the current project definition.

In discussing Log #24 for NFPA 1994, it was agreed by the TC to reject the proposal as it is the intent of the standard to allow for element certification. The committee agreed there is a need for element certification, however, as long as the labeling identifies the element shall only be used with a certified ensemble that includes the element as part of its certification. Individual labeling of the elements and language required on the certification organization's website will address the issue.

To address the above issue, a new CP #6 was developed to provide clarifying language to 4.1.5.2. Glove elements and footwear elements that are provided, sold or distributed as individual elements shall be required to be separately labeled and listed. The individual element product listing shall include the ensemble with which it is certified.

Ira Harkness, Tom Martin, Dan Gohlke and Jim Zeigler proposed new language for Class 3 and 4 footwear requirements for sections, 6.4.4, 7.3.4.7 and 7.3.4.7.1. The proposed language was discussed by the TC and committee proposals were created (see CP 7 in ROP). The following action was taken:

Motion by Ira Harkness and second by Bill Haskell

To: Create individual Committee Proposals for NFPA 1994 Class 3 and 4 footwear cover requirements.

3.3.x

3.32.3

5.1.3.3

7.2.4.10

7.3.4.10

Motion Carried

Action on logs #19, #20, #21, & #39

The TC action on these proposals was to reject based on the lack of a specific recommendation and substantiation. The TSWG sponsored permeation report was not available in time for a meaningful review at the TC's ROP meeting, and in its substantiation, the TC encouraged the submitter to submit specific language and substantiation during the public comments stage.

Action on Log #18, and Logs #30-37:

Log #18 was accepted in principle, with the instructions to see Log #7 (which was accepted) and Log #26. In the original TIA, the permeation resistance time was not correct, these three logs address the correction. Logs #30-37 were also accepted in principle, with the instructions to see Log #7 and Log #26. In addition, the technical committee requested in the committee statement that the submitter provide specific endpoint language and substantiation in the public comments stage. Several TC members noted they will submit public comments on Log #7.

Log #26 was agreed as an Accept in Principle, and Log #23 was a reject due to the lack of a specific recommendation for change.

In the absence at this meeting of the author of the above logs, and the significant changes proposed, it was requested that a conference call be arranged to allow Jeff Stull to provide a summary of the TSWG Permeation Report, including recommendations, to interested TC members. A second conference call could be established to answer additional questions posed by the TC.

The action on Log #25 and Log # 29 was to reject the proposal due to the lack of sufficient data.

Philip Mann presented to the TC a proposed change to the current flash fire chamber test referenced in NFPA 1991. Following discussion, the following action occurred:

Motion by Dan Gohlke, second by Ulf Nystrom

To: Accept the proposal to replace the criteria in NFPA 1991 for Flash Fire Evaluation with a different requirement, ASTM F 1930, *Test Method for Evaluation of Flame Resistant Clothing for Protection Against Fire Simulations Using an Instrumented Manikin.*

Hand Count:

1 in favor of the motion

5 against

Motion Failed

The additional action occurred:

Motion by Ulf Nystrom, second by Tom Martin

To: To add a new requirement, ASTM F 1930, *Test Method for Evaluation of Flame Resistant Clothing for Protection Against Fire Simulations Using an Instrumented Manikin,* to the Test Methods in NFPA 1991.

Motion Carried

Based upon the above action, a new Committee Proposal was developed to add a new 7.8.5 and a new 8.28 per Philip Mann's proposal.

Dave Trebisacci reported to the TC that the letter ballot for the Report on Proposals for NFPA 1991, NFPA 1992 and NFPA 1994 will be issued in late August. Additionally he mentioned that the ROC must occur between March and May 2011. Therefore, due to tight time constraints on the next meeting of the TC, the Agenda and attachments (comments on proposals, etc.) will not be available until a few days prior to the meeting. The TC accepted this situation in light of the dates which they selected for the next meeting.

Selection Care and Maintenance (SCAM) – NFPA 1853

David will post the most recent draft of the SCAM document on the TC's e-committee page for the TC members to compare with notes from the July 2008 Haz Mat TC meeting where it was reviewed.

The SCAM document is currently on a fall 2013 cycle, however, Dave will look into the possibility of a shorter cycle. A task group was established to begin a thorough review of the document. Michael Ziskin and Bruce Kelly will lead the effort with assistance from Dan Gohlke, Jim Zeigler and Tom Martin. Others interested in serving on the Task Group should contact Mike or Bruce.

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New Business

The next meeting of the HazMat TC will be held on March 15, 16 and 17, 2011.

Motion by Michael Ziskin, second by Ulf Nystrom

To adjourn

Motion carried

The meeting adjourned at 4:30 pm.

Respectfully submitted,

Patricia Gleason

Patricia Gleason, Secretary
TC on HMPCE