

2012 Fall Revision Cycle

Report on Proposals

A compilation of NFPA® Technical Committee Reports on Proposals for public review and comment

Public Comment Deadline: March 2, 2012

NOTE: The proposed NFPA documents addressed in this Report on Proposals (ROP) and in a follow-up Report on Comments (ROC) will only be presented for action at the NFPA June 2013 Association Technical Meeting to be held June 10–13, 2013, at the McCormick Place Convention Center, Chicago, IL, when proper Amending Motions have been submitted to the NFPA by the deadline of October 5, 2012. Documents that receive no motions will not be presented at the meeting and instead will be forwarded directly to the Standards Council for action on issuance. For more information on the rules and for up-to-date information on schedules and deadlines for processing NFPA documents, check the NFPA website (www.nfpa.org) or contact NFPA Standards Administration.



National Fire Protection Association®

1 BATTERYMARCH PARK, QUINCY, MA 02169-7471

Information on NFPA Codes and Standards Development

I. Applicable Regulations. The primary rules governing the processing of NFPA documents (codes, standards, recommended practices, and guides) are the *NFPA Regulations Governing Committee Projects (Regs)*. Other applicable rules include *NFPA Bylaws*, *NFPA Technical Meeting Convention Rules*, *NFPA Guide for the Conduct of Participants in the NFPA Standards Development Process*, and the *NFPA Regulations Governing Petitions to the Board of Directors from Decisions of the Standards Council*. Most of these rules and regulations are contained in the *NFPA Directory*. For copies of the *Directory*, contact Codes and Standards Administration at NFPA Headquarters; all these documents are also available on the NFPA website at “www.nfpa.org.”

The following is general information on the NFPA process. All participants, however, should refer to the actual rules and regulations for a full understanding of this process and for the criteria that govern participation.

II. Technical Committee Report. The Technical Committee Report is defined as “the Report of the Technical Committee and Technical Correlating Committee (if any) on a document. A Technical Committee Report consists of the Report on Proposals (ROP), as modified by the Report on Comments (ROC), published by the Association.”

III. Step 1: Report on Proposals (ROP). The ROP is defined as “a report to the Association on the actions taken by Technical Committees and/or Technical Correlating Committees, accompanied by a ballot statement and one or more proposals on text for a new document or to amend an existing document.” Any objection to an action in the ROP must be raised through the filing of an appropriate Comment for consideration in the ROC or the objection will be considered resolved.

IV. Step 2: Report on Comments (ROC). The ROC is defined as “a report to the Association on the actions taken by Technical Committees and/or Technical Correlating Committees accompanied by a ballot statement and one or more comments resulting from public review of the Report on Proposals (ROP).” The ROP and the ROC together constitute the Technical Committee Report. Any outstanding objection following the ROC must be raised through an appropriate Amending Motion at the Association Technical Meeting or the objection will be considered resolved.

V. Step 3a: Action at Association Technical Meeting. Following the publication of the ROC, there is a period during which those wishing to make proper Amending Motions on the Technical Committee Reports must signal their intention by submitting a Notice of Intent to Make a Motion. Documents that receive notice of proper Amending Motions (Certified Amending Motions) will be presented for action at the annual June Association Technical Meeting. At the meeting, the NFPA membership can consider and act on these Certified Amending Motions as well as Follow-up Amending Motions, that is, motions that become necessary as a result of a previous successful Amending Motion. (See 4.6.2 through 4.6.9 of *Regs* for a summary of the available Amending Motions and who may make them.) Any outstanding objection following action at an Association Technical Meeting (and any further Technical Committee consideration following successful Amending Motions, see *Regs* at 4.7) must be raised through an appeal to the Standards Council or it will be considered to be resolved.

VI. Step 3b: Documents Forwarded Directly to the Council. Where no Notice of Intent to Make a Motion (NITMAM) is received and certified in accordance with the Technical Meeting Convention Rules, the document is forwarded directly to the Standards Council for action on issuance. Objections are deemed to be resolved for these documents.

VII. Step 4a: Council Appeals. Anyone can appeal to the Standards Council concerning procedural or substantive matters related to the development, content, or issuance of any document of the Association or on matters within the purview of the authority of the Council, as established by the *Bylaws* and as determined by the Board of Directors. Such appeals must be in written form and filed with the Secretary of the Standards Council (see 1.6 of *Regs*). Time constraints for filing an appeal must be in accordance with 1.6.2 of the *Regs*. Objections are deemed to be resolved if not pursued at this level.

VIII. Step 4b: Document Issuance. The Standards Council is the issuer of all documents (see Article 8 of *Bylaws*). The Council acts on the issuance of a document presented for action at an Association Technical Meeting within 75 days from the date of the recommendation from the Association Technical Meeting, unless this period is extended by the Council (see 4.8 of *Regs*). For documents forwarded directly to the Standards Council, the Council acts on the issuance of the document at its next scheduled meeting, or at such other meeting as the Council may determine (see 4.5.6 and 4.8 of *Regs*).

IX. Petitions to the Board of Directors. The Standards Council has been delegated the responsibility for the administration of the codes and standards development process and the issuance of documents. However, where extraordinary circumstances requiring the intervention of the Board of Directors exist, the Board of Directors may take any action necessary to fulfill its obligations to preserve the integrity of the codes and standards development process and to protect the interests of the Association. The rules for petitioning the Board of Directors can be found in the *Regulations Governing Petitions to the Board of Directors from Decisions of the Standards Council* and in 1.7 of the *Regs*.

X. For More Information. The program for the Association Technical Meeting (as well as the NFPA website as information becomes available) should be consulted for the date on which each report scheduled for consideration at the meeting will be presented. For copies of the ROP and ROC as well as more information on NFPA rules and for up-to-date information on schedules and deadlines for processing NFPA documents, check the NFPA website (www.nfpa.org) or contact NFPA Codes & Standards Administration at (617) 984-7246.

2012 Fall Revision Cycle ROP Contents

by NFPA Numerical Designation

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70B	P	Recommended Practice for Electrical Equipment Maintenance.....	70B-1
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290	P	Standard for Fire Testing of Passive Protection Materials for Use on LP-Gas Containers.....	290-1
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496	P	Standard for Purged and Pressurized Enclosures for Electrical Equipment.....	496-1
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1851	P	Standard on Selection, Care, and Maintenance of Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting	1851-1
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TYPES OF ACTION

P Partial Revision

N New Document

R Reconfirmation

W Withdrawal

**2012 Fall Revision Cycle ROP
Committees Reporting**

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Explosion Protection Systems		
67 Guideline on Explosion Protection for Gaseous Mixtures in Pipe Systems	N	67-1
68 Standard on Explosion Protection by Deflagration Venting	P	68-1
Explosives		
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498 Standard for Safe Havens and Interchange Lots for Vehicles Transporting Explosives	P	498-1
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Emergency Medical Services Protective Clothing and Equipment		
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1852 Standard on Selection, Care, and Maintenance of Open-Circuit Self-Contained Breathing Apparatus (SCBA)	P	1852-1
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Special Operations Protective Clothing and Equipment		
1855 Standard on Selection, Care, and Maintenance of Protective Ensembles for Technical Rescue Incidents	N	1855-1
Structural and Proximity Fire Fighting Protective Clothing and Equipment		
1851 Standard for Selection, Care, and Maintenance of Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting	P	1851-1
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1962 Standard for the Inspection, Care, and Use of Fire Hose, Couplings, and Nozzles and the Service Testing of Fire Hose	P	1962-1
1964 Standard for Spray Nozzles	P	1964-1
Fire Protection for Nuclear Facilities		
801 Standard for Fire Protection for Facilities Handling Radioactive Materials	P	801-1
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Fire Service Training			
1404	Standard for Fire Service Respiratory Protection Training	P	1404-1
1451	Standard for a Fire Service Vehicle Operations Training Program	P	1451-1
Fire Tests			
259	Standard Test Method for Potential Heat of Building Materials	P	259-1
260	Standard Methods of Tests and Classification System for Cigarette Ignition Resistance of Components of Upholstered Furniture	P	260-1
261	Standard Method of Test for Determining Resistance of Mock-Up Upholstered Furniture Material Assemblies to Ignition by Smoldering Cigarettes	P	261-1
270	Standard Test Method for Measurement of Smoke Obscuration Using a Conical Radiant Source in a Single Closed Chamber	P	270-1
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505	Fire Safety Standard for Powered Industrial Trucks Including Type Designations, Areas of Use, Conversions, Maintenance, and Operations	P	505-1
Manufactured Housing			
225	Model Manufactured Home Installation Standard	P	225-1
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FORM FOR COMMENT ON NFPA REPORT ON PROPOSALS
2012 Fall Revision CYCLE
FINAL DATE FOR RECEIPT OF COMMENTS: 5:00 pm EDT, March 2, 2012

For further information on the standards-making process, please contact the Codes and Standards Administration at 617-984-7249 or visit www.nfpa.org/codes.

For technical assistance, please call NFPA at 1-800-344-3555.

FOR OFFICE USE ONLY

Log #: _____

Date Rec'd: _____

Please indicate in which format you wish to receive your ROP/ROC electronic paper download
(Note: If choosing the download option, you must view the ROP/ROC from our website; no copy will be sent to you.)

Date 8/1/200X Name John B. Smith Tel. No. 253-555-1234

Company _____ Email _____

Street Address 9 Seattle St. City Tacoma State WA Zip 98402

***If you wish to receive a hard copy, a street address MUST be provided. Deliveries cannot be made to PO boxes.

Please indicate organization represented (if any) Fire Marshals Assn. of North America

1. (a) NFPA Document Title National Fire Alarm Code NFPA No. & Year NFPA 72, 200X ed.

(b) Section/Paragraph 4.4.1.1

2. Comment on Proposal No. (from ROP): 72-7

3. Comment Recommends (check one): new text revised text deleted text

4. Comment (include proposed new or revised wording, or identification of wording to be deleted): [Note: Proposed text should be in legislative format; i.e., use underscore to denote wording to be inserted (inserted wording) and strike-through to denote wording to be deleted (~~deleted wording~~).]

Delete exception.

5. **Statement of Problem and Substantiation for Comment:** (Note: State the problem that would be resolved by your recommendation; give the specific reason for your Comment, including copies of tests, research papers, fire experience, etc. If more than 200 words, it may be abstracted for publication.)

A properly installed and maintained system should be free of ground faults. The occurrence of one or more ground faults should be required to cause a 'trouble' signal because it indicates a condition that could contribute to future malfunction of the system. Ground fault protection has been widely available on these systems for years and its cost is negligible. Requiring it on all systems will promote better installations, maintenance and reliability.

6. Copyright Assignment

(a) I am the author of the text or other material (such as illustrations, graphs) proposed in the Comment.

(b) Some or all of the text or other material proposed in this Comment was not authored by me. Its source is as follows: (please identify which material and provide complete information on its source)

I hereby grant and assign to the NFPA all and full rights in copyright in this Comment and understand that I acquire no rights in any publication of NFPA in which this Comment in this or another similar or analogous form is used. Except to the extent that I do not have authority to make an assignment in materials that I have identified in (b) above, I hereby warrant that I am the author of this Comment and that I have full power and authority to enter into this assignment.

Signature (Required)

John B. Smith

PLEASE USE SEPARATE FORM FOR EACH COMMENT

Mail to: Secretary, Standards Council · National Fire Protection Association
1 Batterymarch Park · Quincy, MA 02169-7471 OR
Fax to: (617) 770-3500 OR Email to: proposals_comments@nfpa.org

SAMPLE

FORM FOR COMMENT ON NFPA REPORT ON PROPOSALS
2012 Fall Revision CYCLE
FINAL DATE FOR RECEIPT OF COMMENTS: 5:00 pm EDT, March 2, 2012

For further information on the standards-making process, please contact the Codes and Standards Administration at 617-984-7249 or visit www.nfpa.org/codes.

For technical assistance, please call NFPA at 1-800-344-3555.

FOR OFFICE USE ONLY

Log #: _____

Date Rec'd: _____

Please indicate in which format you wish to receive your ROP/ROC electronic paper download
(Note: If choosing the download option, you must view the ROP/ROC from our website; no copy will be sent to you.)

Date _____ Name _____ Tel. No. _____

Company _____ Email _____

Street Address _____ City _____ State _____ Zip _____

*****If you wish to receive a hard copy, a street address MUST be provided. Deliveries cannot be made to PO boxes.**

Please indicate organization represented (if any) _____

1. (a) NFPA Document Title _____ NFPA No. & Year _____

(b) Section/Paragraph _____

2. Comment on Proposal No. (from ROP): _____

3. Comment Recommends (check one): new text revised text deleted text

4. Comment (include proposed new or revised wording, or identification of wording to be deleted): [Note: Proposed text should be in legislative format; i.e., use underscore to denote wording to be inserted (inserted wording) and strike-through to denote wording to be deleted (~~deleted wording~~).]

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(a) I am the author of the text or other material (such as illustrations, graphs) proposed in the Comment.

(b) Some or all of the text or other material proposed in this Comment was not authored by me. Its source is as follows: (please identify which material and provide complete information on its source)

I hereby grant and assign to the NFPA all and full rights in copyright in this Comment and understand that I acquire no rights in any publication of NFPA in which this Comment in this or another similar or analogous form is used. Except to the extent that I do not have authority to make an assignment in materials that I have identified in (b) above, I hereby warrant that I am the author of this Comment and that I have full power and authority to enter into this assignment.

Signature (Required) _____

PLEASE USE SEPARATE FORM FOR EACH COMMENT

Mail to: Secretary, Standards Council · National Fire Protection Association
1 Batterymarch Park · Quincy, MA 02169-7471 OR
Fax to: (617) 770-3500 OR Email to: proposals_comments@nfpa.org

COMMITTEE MEMBER CLASSIFICATIONS^{1,2,3,4}

The following classifications apply to Committee members and represent their principal interest in the activity of the Committee.

1. M Manufacturer: A representative of a maker or marketer of a product, assembly, or system, or portion thereof, that is affected by the standard.
2. U User: A representative of an entity that is subject to the provisions of the standard or that voluntarily uses the standard.
3. IM Installer/Maintainer: A representative of an entity that is in the business of installing or maintaining a product, assembly, or system affected by the standard.
4. L Labor: A labor representative or employee concerned with safety in the workplace.
5. RT Applied Research/Testing Laboratory: A representative of an independent testing laboratory or independent applied research organization that promulgates and/or enforces standards.
6. E Enforcing Authority: A representative of an agency or an organization that promulgates and/or enforces standards.
7. I Insurance: A representative of an insurance company, broker, agent, bureau, or inspection agency.
8. C Consumer: A person who is or represents the ultimate purchaser of a product, system, or service affected by the standard, but who is not included in (2).
9. SE Special Expert: A person not representing (1) through (8) and who has special expertise in the scope of the standard or portion thereof.

NOTE 1: "Standard" connotes code, standard, recommended practice, or guide.

NOTE 2: A representative includes an employee.

NOTE 3: While these classifications will be used by the Standards Council to achieve a balance for Technical Committees, the Standards Council may determine that new classifications of member or unique interests need representation in order to foster the best possible Committee deliberations on any project. In this connection, the Standards Council may make such appointments as it deems appropriate in the public interest, such as the classification of "Utilities" in the National Electrical Code Committee.

NOTE 4: Representatives of subsidiaries of any group are generally considered to have the same classification as the parent organization.

Sequence of Events Leading to Issuance of an NFPA Committee Document

Step 1 Call for Proposals

▼ Proposed new document or new edition of an existing document is entered into one of two yearly revision cycles, and a Call for Proposals is published.

Step 2 Report on Proposals (ROP)

▼ Committee meets to act on Proposals, to develop its own Proposals, and to prepare its Report.

▼ Committee votes by written ballot on Proposals. If two-thirds approve, Report goes forward. Lacking two-thirds approval, Report returns to Committee.

▼ Report on Proposals (ROP) is published for public review and comment.

Step 3 Report on Comments (ROC)

▼ Committee meets to act on Public Comments to develop its own Comments, and to prepare its report.

▼ Committee votes by written ballot on Comments. If two-thirds approve, Report goes forward. Lacking two-thirds approval, Report returns to Committee.

▼ Report on Comments (ROC) is published for public review.

Step 4 Association Technical Meeting

▼ “*Notices of intent to make a motion*” are filed, are reviewed, and valid motions are certified for presentation at the Association Technical Meeting. (“Consent Documents” that have no certified motions bypass the Association Technical Meeting and proceed to the Standards Council for issuance.)

▼ NFPA membership meets each June at the Association Technical Meeting and acts on Technical Committee Reports (ROP and ROC) for documents with “certified amending motions.”

▼ Committee(s) vote on any amendments to Report approved at NFPA Annual Membership Meeting.

Step 5 Standards Council Issuance

▼ Notification of intent to file an appeal to the Standards Council on Association action must be filed within 20 days of the NFPA Annual Membership Meeting.

▼ Standards Council decides, based on all evidence, whether or not to issue document or to take other action, including hearing any appeals.

The Association Technical Meeting

The process of public input and review does not end with the publication of the ROP and ROC. Following the completion of the Proposal and Comment periods, there is yet a further opportunity for debate and discussion through the Association Technical Meeting that takes place at the NFPA Annual Meeting.

The Association Technical Meeting provides an opportunity for the final Technical Committee Report (i.e., the ROP and ROC) on each proposed new or revised code or standard to be presented to the NFPA membership for the debate and consideration of motions to amend the Report. The specific rules for the types of motions that can be made and who can make them are set forth in NFPA's rules, which should always be consulted by those wishing to bring an issue before the membership at an Association Technical Meeting. The following presents some of the main features of how a Report is handled.

The Filing of a Notice of Intent to Make a Motion. Before making an allowable motion at an Association Technical Meeting, the intended maker of the motion must file, in advance of the session, and within the published deadline, a Notice of Intent to Make a Motion. A Motions Committee appointed by the Standards Council then reviews all notices and certifies all amending motions that are proper. The Motions Committee can also, in consultation with the makers of the motions, clarify the intent of the motions and, in certain circumstances, combine motions that are dependent on each other together so that they can be made in one single motion. A Motions Committee report is then made available in advance of the meeting listing all certified motions. Only these Certified Amending Motions, together with certain allowable Follow-Up Motions (that is, motions that have become necessary as a result of previous successful amending motions) will be allowed at the Association Technical Meeting.

Consent Documents. Often there are codes and standards up for consideration by the membership that will be noncontroversial and no proper Notices of Intent to Make a Motion will be filed. These "Consent Documents" will bypass the Association Technical Meeting and head straight to the Standards Council for issuance. The remaining documents are then forwarded to the Association Technical Meeting for consideration of the NFPA membership.

What Amending Motions Are Allowed. The Technical Committee Reports contain many Proposals and Comments that the Technical Committee has rejected or revised in whole or in part. Actions of the Technical Committee published in the ROP may also eventually be rejected or revised by the Technical Committee during the development of its ROC. The motions allowed by NFPA rules provide the opportunity to propose amendments to the text of a proposed code or standard based on these published Proposals, Comments, and Committee actions. Thus, the list of allowable motions include motions to accept Proposals and Comments in whole or in part as submitted or as modified by a Technical Committee action. Motions are also available to reject an accepted Comment in whole or part. In addition, Motions can be made to return an entire Technical Committee Report or a portion of the Report to the Technical Committee for further study.

The NFPA Annual Meeting, also known as the NFPA Conference & Expo, takes place in June of each year. A second Fall membership meeting was discontinued in 2004, so the NFPA Technical Committee Report Session now runs once each year at the Annual Meeting in June.

Who Can Make Amending Motions. NFPA rules also define those authorized to make amending motions. In many cases, the maker of the motion is limited by NFPA rules to the original submitter of the Proposal or Comment or his or her duly authorized representative. In other cases, such as a Motion to Reject an accepted Comment, or to Return a Technical Committee Report or a portion of a Technical Committee Report for Further Study, anyone can make these motions. For a complete explanation, the NFPA Regs should be consulted.

Action on Motions at the Association Technical Meeting. In order to actually make a Certified Amending Motion at the Association Technical Meeting, the maker of the motion must sign in at least an hour before the session begins. In this way a final list of motions can be set in advance of the session. At the session, each proposed document up for consideration is presented by a motion to adopt the Technical Committee Report on the document. Following each such motion, the presiding officer in charge of the session opens the floor to motions on the document from the final list of Certified Amending Motions followed by any permissible Follow-Up Motions. Debate and voting on each motion proceeds in accordance with NFPA rules. NFPA membership is not required in order to make or speak to a motion, but voting is limited to NFPA members who have joined at least 180 days prior to the Association Technical Meeting and have registered for the meeting. At the close of debate on each motion, voting takes place, and the motion requires a majority vote to carry. In order to amend a Technical Committee Report, successful amending motions must be confirmed by the responsible Technical Committee, which conducts a written ballot on all successful amending motions following the meeting and prior to the document being forwarded to the Standards Council for issuance.

Standards Council Issuance

One of the primary responsibilities of the NFPA Standards Council, as the overseer of the NFPA codes and standards development process, is to act as the official issuer of all NFPA codes and standards. When it convenes to issue NFPA documents, it also hears any appeals related to the document. Appeals are an important part of assuring that all NFPA rules have been followed and that due process and fairness have been upheld throughout the codes and standards development process. The Council considers appeals both in writing and through the conduct of hearings at which all interested parties can participate. It decides appeals based on the entire record of the process as well as all submissions on the appeal. After deciding all appeals related to a document before it, the Council, if appropriate, proceeds to issue the document as an official NFPA code or standard. Subject only to limited review by the NFPA Board of Directors, the decision of the Standards Council is final, and the new NFPA code or standard becomes effective twenty days after Standards Council issuance.

Report of the Committee on

Fire and Emergency Services Protective Clothing and Equipment
(FAE-AAC)**William E. Haskell, III**, *Chair*

National Institute for Occupational Safety & Health, MA [E]

Eric J. Beck, *Secretary*Mine Safety Appliances Company, PA [M]
Rep. Compressed Gas Association

Jason L. Allen, Intertek Testing Services, NY [RT]
Leslie Anderson, US Department of Agriculture, MT [E]
Roger L. Barker, North Carolina State University, NC [SE]
Brian D. Berchtold, US Department of the Navy, DE [RT]
Steven D. Corrado, Underwriters Laboratories Inc., NC [RT]
Nicholas J. Curtis, Lion Apparel, Inc., OH [M]
Richard M. Duffy, International Association of Fire Fighters, DC [L]
Cristine Z. Fargo, International Safety Equipment Association, VA [M]
Robert A. Freese, Globe Manufacturing Company, NH [M]
Patricia A. Gleason, Safety Equipment Institute (SEI), VA [RT]
James S. Johnson, Lawrence Livermore National Laboratory, CA [RT]
David G. Matthews, Fire & Industrial (P.P.E) Ltd., United Kingdom [SE]
 Rep. International Standards Organization
Gary L. Neilson, Sparks, NV [U]
 Rep. NFPA Fire Service Section
Anthony D. Putorti, Jr., National Institute of Standards & Technology,
 MD [RT]
Jeffrey O. Stull, International Personnel Protection, Inc., TX [SE]
William A. Van Lent, Veridian Ltd., Inc., IA [M]
 Rep. Fire & Emergency Manufacturers & Services Association
Richard H. Young, DuPont Protection Technologies, VA [M]

Alternates

Chris Bain, Oklahoma State Firefighters Association, OK [C]
 (Voting Alt. to OSFA Rep.)
Louis Carpentier, Innotex Inc., Canada [M]
 (Alt. to William A. Van Lent)
Brandi L. Chestang, US Department of the Navy, FL [RT]
 (Alt. to Brian D. Berchtold)
Patricia A. Freeman, Globe Manufacturing Company, LLC, NH [M]
 (Alt. to Robert A. Freese)
David V. Haston, US Department of Agriculture, CA [E]
 (Alt. to Leslie Anderson)
Kimberly M. Henry, PBI Performance Products, Inc., NC [M]
 (Alt. to Richard H. Young)
Pamela A. Kavalesky, Intertek Testing Services, NY [RT]
 (Alt. to Jason L. Allen)
Karen E. Lehtonen, Lion, OH [M]
 (Alt. to Nicholas J. Curtis)
Robin B. Royster, Underwriters Laboratories Inc., NC [RT]
 (Alt. to Steven D. Corrado)
Michael T. Rupert, Mine Safety Appliances Company, PA [M]
 (Alt. to Eric J. Beck)
Stephen R. Sanders, Safety Equipment Institute (SEI), VA [RT]
 (Alt. to Patricia A. Gleason)
Grace G. Stull, International Personnel Protection Inc., TX [SE]
 (Alt. to Jeffrey O. Stull)
Donald B. Thompson, North Carolina State University, NC [SE]
 (Alt. to Roger L. Barker)

Nonvoting

Christina M. Baxter, US Department of Defense, VA [E]
 Rep. TC on Hazardous Materials PC&E
Dean W. Cox, Fairfax County Fire & Rescue Department, VA [U]
 Rep. TC on Special Operations PC&E
Stephen J. King, Babylon, NY [SE]
 Rep. TC on Structural and Proximity Fire Fighting PC&E
Daniel N. Rossos, Portland Fire & Rescue, OR [U]
 Rep. TC on Respiratory Protection Equipment
Rick L. Swan, IAFF Local 2881/CDF Fire Fighters, CA [L]
 Rep. TC on Wildland Fire Fighting PC&E
Bruce H. Varner, Goodyear, AZ [E]
 Rep. TC on Electronic Safety Equipment

Committee Scope: This Committee shall have primary responsibility for documents on the design, performance, testing, and certification of protective clothing and protective equipment manufactured for fire and emergency services organizations and personnel, to protect against exposures encountered during emergency incident operations. This Committee shall also have the primary responsibility for documents on the selection, care, and maintenance of such protective clothing and protective equipment by fire and emergency services organizations and personnel.

Report of the Committee on

Electronic Safety Equipment (FAE-ELS)

Bruce H. Varner, *Chair*
Goodyear, AZ [SE]**Christina Spoons**, *Secretary*
Westmont Fire Department, IL [C]

Jason L. Allen, Intertek Testing Services, NY [RT]
Robert J. Athanas, FDNY/SAFE-IR, Incorporated, NY [U]
Nelson P. Bryner, National Institute of Standards & Technology, MD [RT]
John P. Campman, Grace Industries, Inc., PA [M]
Louis Chavez, Underwriters Laboratories Inc., IL [RT]
Michael G. Feely, Boston Fire Department, MA [U]
Wayne C. Haase, Summit Safety, Inc., MA [M]
William E. Haskell III, National Institute for Occupational Safety & Health,
 MA [E]
Jeffrey L. Hull, District of Columbia Fire & EMS Department, DC [E]
Richard Katz, Mine Safety Appliances Company, PA [M]
Michael F. McKenna, Antelope, CA [SE]
John H. Morris, ISG Infrasy, GA [M]
Lawrence M. Nyberg, Motorola Solutions Inc., IL [M]
Craig Parkulo, Tyco/Scott Health and Safety, NC [M]
Kevin M. Roche, Phoenix Fire Department, AZ [U]
Stephen R. Sanders, Safety Equipment Institute (SEI), VA [RT]
Gordon R. Sletmoe, Medford Fire-Rescue, OR [U]
Steven H. Weinstein, Honeywell Safety Products, CA [M]
 Rep. International Safety Equipment Association
Timothy W. Wolf, Scottsdale Fire Department, AZ [C]

Alternates

Craig Gestler, Mine Safety Appliances Company, PA [M]
 (Alt. to Richard Katz)
Patricia A. Gleason, Safety Equipment Institute (SEI), VA [RT]
 (Alt. to Stephen R. Sanders)
Zachary Stephen Haase, Summit Safety, Inc., MA [M]
 (Alt. to Wayne C. Haase)
John Jarboe, Grace Industries, Inc., MD [M]
 (Alt. to John P. Campman)
Robert M. Knabbe, FDNY/SAFE-IR, Incorporated, NY [U]
 (Alt. to Robert J. Athanas)
Mark Krizik, Motorola, Inc., IL [M]
 (Alt. to Lawrence M. Nyberg)
Neil P. Lakomiak, Underwriters Laboratories Inc., IL [RT]
 (Alt. to Louis Chavez)
Jeffrey L. Landis, Tyco/Scott Health and Safety, NC [M]
 (Alt. to Craig Parkulo)
David A. Little, ISG Infrasy, GA [M]
 (Alt. to John H. Morris)
Nick Luzie, Honeywell Safety Products, CA [M]
 (Alt. to Steven H. Weinstein)
Chad A. Morey, Intertek Testing Services, NY [RT]
 (Alt. to Jason L. Allen)
Timothy R. Rehak, National Institute for Occupational Safety & Health,
 PA [E]
 (Alt. to William E. Haskell III)
Kate A. Remley, National Institute of Standards & Technology, CO [RT]
 (Alt. to Nelson P. Bryner)
Steven D. Townsend, City of Carrollton Fire Department, TX [E]
 (Voting Alt. to Carrollton F.D. Rep.)

Committee Scope: This committee shall have primary responsibility for documents on the design, performance, testing, and certification of electronic safety equipment used by fire and emergency services personnel during emergency incident operations, and shall also have primary responsibility for documents on the selection, care, and maintenance of electronic safety equipment.

Report of the Committee on**Emergency Medical Services Protective Clothing and Equipment (FAE-EMS)**

William E. Haskell III, *Chair*
National Institute for Occupational Safety & Health, MA [E]

Karen E. Lehtonen, *Secretary*
Lion, OH [M]

Jason L. Allen, Intertek Testing Services, NY [RT]
Michael L. Aries, Town of Natick Fire Department, MA [L]
Rep. International Association of Fire Fighters
Steven D. Corrado, Underwriters Laboratories Inc., NC [RT]
James E. Davis, Columbus Firefighters Local 67, OH [L]
Todd P. Davis, Town of Longmeadow Fire Department, MA [C]
William A. Fithian, Safety Equipment Institute (SEI), VA [RT]
Daniel J. Gohlke, W. L. Gore and Associates, MD [M]
Donald F. Groce, Best Glove Inc., GA [M]
Eugene M. Novak, Jr., Commonwealth of Massachusetts, MA [E]
Richard W. Patrick, US Department of Homeland Security, MD [E]

Alternates

Nicholas J. Curtis, Lion Apparel, Inc., OH [M]
(Alt. to Karen E. Lehtonen)
Pamela A. Kavalesky, Intertek Testing Services, NY [RT]
(Alt. to Jason L. Allen)
Angie M. Shepherd, National Institute for Occupational Safety & Health, PA [E]
(Alt. to William E. Haskell III)
Gregg A. Skelly, Underwriters Laboratories Inc., NC [RT]
(Alt. to Steven D. Corrado)

Committee Scope: This Committee shall have primary responsibility for documents on protective clothing and protective equipment, except respiratory protective equipment, that provides hand, torso, limb, and face protection for fire fighters or other emergency services responders during incidents that involve emergency medical operations. These operations include first aid, cardiopulmonary resuscitation, basis life support, advanced life support, and other medical procedures provided to patients prior to arrival at a hospital or other health care facility. Additionally, this committee shall have primary responsibility for documents on the selection, care, and maintenance of emergency medical protective clothing and protective equipment by fire and emergency services organizations and personnel.

Report of the Committee on**Respiratory Protection Equipment (FAE-RPE)**

Daniel N. Rossos, *Chair*
Portland Fire & Rescue, OR [U]

Steven H. Weinstein, *Secretary*
Honeywell Safety Products, CA [M]
Rep. International Safety Equipment Association

Heinz W. Ahlers, National Institute for Occupational Safety & Health, PA [E]
Jason L. Allen, Intertek Testing Services, NY [RT]
Christopher Anaya, Sacramento Metropolitan Fire Department, CA [C]
Rep. California State Firefighters Association
David T. Bernzweig, Columbus (OH) Division of Fire, OH [L]
Rep. Columbus Fire Fighters Union
W. Lee Birch, Luxfer Gas Cylinders, CA [M]
A. Paul Bull, Charles Town, WV [SE]
Rodney V. Colbert, Fairfax County Fire & Rescue Department, VA [U]
Brian H. Cox, Clovis Fire Department, CA [U]
Deborah L. Crisher, City of Virginia Beach Fire Department, VA [U]
Nathan Dower, Dallas Fire-Rescue Department, TX [U]
Robin R. Gainey, Jacksonville Fire Rescue Department, FL [L]
Rep. International Association of Fire Fighters
Ed Golla, TRI/Air Testing, TX [RT]
A. Ira Harkness, US Department of the Navy, FL [RT]
David V. Haston, US Department of Agriculture, CA [RT]
John Jarboe, Grace Industries, Inc., MD [M]
James S. Johnson, Lawrence Livermore National Laboratory, CA [RT]
Clint Kaller, Los Angeles County Fire Department, CA [U]
Craig Martin, Avon-ISI, GA [M]
Ian Maxwell, Interspiro AB, Sweden [M]

Stephen T. Miles, National Institute for Occupational Safety & Health, WV [E]
Rep. National Institute for Occupational Safety & Health
Ruby Ochoa, Trace Analytics LLC, TX [RT]
Jerry Phifer, Tyco/Scott Health & Safety, NC [M]
Samuel C. Pitts, US Marine Corps Systems Command, VA [E]
Michael T. Rupert, Mine Safety Appliances Company, PA [M]
Stephen R. Sanders, Safety Equipment Institute (SEI), VA [RT]
Robert Sell, Draeger Safety, Inc., PA [M]
Richard S. Tobin, Jr., Fire Department City of New York, NY [U]
Kenton D. Warner, KDW Consulting, LLC, FL [SE]

Alternates

Marshall J. Black, US Department of the Navy, FL [RT]
(Alt. to A. Ira Harkness)
John P. Campman, Grace Industries, Inc., PA [M]
(Alt. to John Jarboe)
J. Michael Carlson, TRI Air Testing, TX [RT]
(Alt. to Ed Golla)
Dennis K. Davis, US Department of Agriculture, MT [RT]
(Alt. to David V. Haston)
Beverly F. Gullledge, Tyco/Scott Safety, NC [M]
(Alt. to Jerry Phifer)
David Hodson, Draeger Safety UK Ltd., United Kingdom [M]
(Alt. to Robert Sell)
John F. Kuhn, Mine Safety Appliances Company, PA [M]
(Alt. to Michael T. Rupert)
Beth C. Lancaster, US Marine Corps Systems Command, VA [E]
(Alt. to Samuel C. Pitts)
Nick Luzie, Honeywell Safety Products, CA [M]
(Alt. to Steven H. Weinstein)
Clint Mayhue, International Safety Instruments (ISI), GA [M]
(Alt. to Craig Martin)
Chad A. Morey, Intertek Testing Services, NY [RT]
(Alt. to Jason L. Allen)
William T. Mundy, Fire Department City of New York, NY [U]
(Alt. to Richard S. Tobin, Jr.)
Kenneth A. Pravetz, City of Virginia Beach Fire Department, VA [U]
(Alt. to Deborah L. Crisher)
Timothy M. Radtke, US Department of the Interior, CO [E]
(Voting Alt. to USDOJ Rep.)
Norman Seals, Dallas Fire-Rescue Department, TX [U]
(Alt. to Nathan Dower)
Dick Smith, Trace Analytics LLC, TX [RT]
(Alt. to Ruby Ochoa)
Jonathan V. Szalajda, National Institute for Occupational Safety & Health, PA [E]
(Alt. to Heinz W. Ahlers)

Nonvoting

Matthew I. Chibbaro, US Department of Labor, DC [E]
John Steelnack, US Department of Labor, DC [E]
(Alt. to Matthew I. Chibbaro)
Rep. Occupational Safety & Health Administration

Committee Scope: This Committee shall have primary responsibility for documents on respiratory equipment, including breathing air, for fire and emergency services personnel during incidents involving hazardous or oxygen deficient atmospheres. This Committee shall also have primary responsibility for documents on the selection, care, and maintenance of respiratory protection equipment and systems by fire and emergency services organizations and personnel.

Report of the Committee on**Special Operations Protective Clothing and Equipment (FAE-SCE)**

Dean W. Cox, *Chair*
Fairfax County Fire & Rescue Department, VA [U]

Karen E. Lehtonen, *Secretary*
Lion, OH [M]

Jason L. Allen, Intertek Testing Services, NY [RT]
Collin M. Byrne, Lynchburg Police Department, VA [U]
Steven D. Corrado, Underwriters Laboratories Inc., NC [RT]
Shawn G. Davis, Essex-Windsor Emergency Medical Services, Canada [U]
Keith B. Dempsey, City of Dalton Fire Department, GA [C]
James A. Frank, CMC Rescue, Inc., CA [M]
Stephen J. Geraghty, Fire Department City of New York, NY [U]
Daniel J. Gohlke, W. L. Gore and Associates, MD [M]

William E. Haskell III, National Institute for Occupational Safety & Health, MA [E]
Diane B. Hess, PBI Performance Products, Inc., NC [M]
Gavin P. Horn, University of Illinois Fire Service Institute, IL [SE]
Steve Hudson, Pigeon Mountain Industries, Inc., GA [M]
H. Dean Paderick, Special Rescue International, VA [SE]
Jack E. Reall, Columbus (OH) Division of Fire, OH [U]
Stephen R. Sanders, Safety Equipment Institute (SEI), VA [RT]
Michael T. Stanhope, TenCate/Southern Mills, Inc., GA [M]
R. Douglas Stephenson, City of Johns Creek Fire Department, GA [U]

Alternates

Charles S. Dunn, TenCate/Southern Mills, GA [M]
 (Alt. to Michael T. Stanhope)
William A. Fithian, Safety Equipment Institute (SEI), VA [RT]
 (Alt. to Stephen R. Sanders)
Kimberly M. Henry, PBI Performance Products, Inc., NC [M]
 (Alt. to Diane B. Hess)
Pamela A. Kavalesky, Intertek Testing Services, NY [RT]
 (Alt. to Jason L. Allen)
Kim Klaren, Fairfax County Fire & Rescue Department, VA [U]
 (Alt. to Dean W. Cox)
Loui McCurley, PMI-West, CO [M]
 (Alt. to Steve Hudson)
James E. Murray, Fire Department City of New York, NY [U]
 (Alt. to Stephen J. Geraghty)
Ashley M. Scott, Lion Apparel, Inc., OH [M]
 (Alt. to Karen E. Lehtonen)
Angie M. Shepherd, National Institute for Occupational Safety & Health, PA [E]
 (Alt. to William E. Haskell III)
Beverly Wooten Stutts, Underwriters Laboratories Inc., NC [RT]
 (Alt. to Steven D. Corrado)

Committee Scope: This Committee shall have primary responsibility for documents on special operations protective clothing and protective equipment, except respiratory equipment, that provides hand, foot, torso, limb, head, and interface protection for fire fighters and other emergency services responders during incidents involving special operations functions including, but not limited to, structural collapse, trench rescue, confined space entry, urban search and rescue, high angle/mountain rescue, vehicular extraction, swift water or flooding rescue, contaminated water diving, and air operations. This Committee shall also have primary responsibility for documents on station/work uniform garments that are not of themselves primary protective garments but can be combined with a primary protective garment to serve dual or multiple functions.

Additionally, this Committee shall have primary responsibility for documents on the selection, care, and maintenance of special operations protective clothing and equipment by fire and emergency services organizations and personnel.

Report of the Committee on

Structural and Proximity Fire Fighting Protective Clothing and Equipment (FAE-SPF)

Stephen J. King, *Chair*
 Babylon, NY [SE]

Benjamin Mauti, *Secretary (Alternate)*
 Mine Safety Appliances Company, PA [M]
 (Alt. to John F. Rihn)

Jason L. Allen, Intertek Testing Services, NY [RT]
Roger L. Barker, North Carolina State University, NC [SE]
Brian D. Berchtold, US Department of the Navy, DE [RT]
Steven D. Corrado, Underwriters Laboratories Inc., NC [RT]
Dean W. Cox, Fairfax County Fire & Rescue Department, VA [U]
Paul F. Curtis, L.N. Curtis & Sons, CA [IM]
Rick D. Davis, National Institute of Standards & Technology, MD [RT]
Scott R. Doan, Alameda County Fire Department, CA [U]
Tim Durby, Phoenix Fire Department, AZ [U]
 Rep. International Fire Service Training Association
Richard C. Edinger, Chesterfield County Fire & Emergency Medical Services, VA [E]
 Rep. International Association of Fire Chiefs
David P. Fanning, E. D. Bullard Company, KY [M]
William A. Fithian, Safety Equipment Institute (SEI), VA [RT]

Patricia A. Freeman, Globe Manufacturing Company, LLC, NH [M]
Richard O. Granger, Jr., Charlotte Fire Department, NC [U]
William E. Haskell III, National Institute for Occupational Safety & Health, MA [E]
Emeral Earl Hayden, City of El Paso Fire Department, TX [L]
 Rep. International Association of Fire Fighters
Steve L. Lakey, Northwest Safety Clean Inc., OR [IM]
 Rep. Verified Independent Services Providers Association
Karen E. Lehtonen, Lion, OH [M]
Lance Matiste, Fire-Dex, OH [M]
Michael F. McKenna, Antelope, CA [SE]
Daniel F. Melia, Fire Department City of New York, NY [U]
Andrew R. Oliver, Gear Wash LLC, WI [IM]
Louis V. Ott, Gentex Corporation, PA [M]
Matthew D. Pegg, Brampton Fire & Emergency Services, Canada [U]
 Rep. Ontario Association of Fire Chiefs
Tom Ragan, Shelby Specialty Gloves, TN [M]
John F. Rihn, Mine Safety Appliances Company, PA [M]
R. Wendell Robison, Fillmore, UT [C]
 Rep. National Volunteer Fire Council
Kelly Sisson, City of La Mesa Fire Department, CA [U]
Douglas Sloan, Honeywell First Responder Products, NY [M]
Jeffrey O. Stull, International Personnel Protection, Inc., TX [SE]
Tim W. Tomlinson, Addison Fire Department, TX [C]

Alternates

Wells Bullard, E. D. Bullard Company, KY [M]
 (Alt. to David P. Fanning)
Nicholas J. Curtis, Lion Apparel, Inc., OH [M]
 (Alt. to Karen E. Lehtonen)
Mark J. Dolim, L.N. Curtis & Sons, CA [IM]
 (Alt. to Paul F. Curtis)
Richard C. Ford, II, Chicago Fire Department, IL [E]
 (Voting Alt. to Chicago F.D. Rep.)
A. Ira Harkness, US Department of the Navy, FL [RT]
 (Alt. to Brian D. Berchtold)
Tricia Hock, Fire-Dex, OH [M]
 (Alt. to Lance Matiste)
Pamela A. Kavalesky, Intertek Testing Services, NY [RT]
 (Alt. to Jason L. Allen)
Kim Klaren, Fairfax County Fire & Rescue Department, VA [U]
 (Alt. to Dean W. Cox)
Michael A. Laton, Honeywell First Responder Products, GA [M]
 (Alt. to Douglas Sloan)
Anthony D. Putorti, Jr., National Institute of Standards & Technology, MD [RT]
 (Alt. to Rick D. Davis)
Robin B. Royster, Underwriters Laboratories Inc., NC [RT]
 (Alt. to Steven D. Corrado)
Angie M. Shepherd, National Institute for Occupational Safety & Health, PA [E]
 (Alt. to William E. Haskell III)
Grace G. Stull, International Personnel Protection, Inc., TX [SE]
 (Alt. to Jeffrey O. Stull)
Donald B. Thompson, North Carolina State University, NC [SE]
 (Alt. to Roger L. Barker)
Robert D. Tutterow, Jr., Charlotte Fire Department, NC [U]
 (Alt. to Richard O. Granger, Jr.)
Don Welch, II, Globe Manufacturing Company, NH [M]
 (Alt. to Patricia A. Freeman)
David K. Whiting, Columbus Division of Fire, OH [E]
 (Alt. to Richard C. Edinger)
Patrick J. Woods, Fire Department City of New York, NY [U]
 (Alt. to Daniel F. Melia)

Nonvoting

William R. Hamilton, US Department of Labor, DC [E]
Andrew Levinson, US Department of Labor, DC [E]
 (Alt. to William R. Hamilton)
 Rep. Occupational Safety & Health Administration

Staff Liaison: **David G. Trebisacci**

Committee Scope: This committee shall have primary responsibility for documents on protective ensembles, except respiratory protection, that provides head, limb, hand, foot, torso, and interface protection for fire fighters and other emergency services responders during incidents involving structural fire fighting operations or proximity fire fighting operations. Structural fire fighting operations include the activities of rescue, fire suppression, and property conservation during incidents involving fires in buildings, enclosed structures, vehicles, marine vessels, or like properties. Proximity fire fighting operations include the activities of rescue, fire suppression, and property conservation during incidents involving commercial

and military aircraft fires, bulk flammable gas fires, bulk flammable and combustible liquids fires, combustible metal fires, exotic fuel fires, and other such fires that produce very high levels of radiant heat as well as convective and conductive heat.

Additionally, this committee shall have primary responsibility for documents on the selection, care, and maintenance of structural and proximity fire fighting protective ensembles by fire and emergency services organizations and personnel.

These lists represent the membership at the time each Committee was balloted on the text of this report. Since that time, changes in the membership may have occurred. A key to classifications is found at the front of the document.

The Report of the Committee on **Fire and Emergency Services Protective Clothing and Equipment** is presenting seven Reports for adoption, as follows:

The Reports were prepared by the:

- Technical Correlating Committee on **Fire and Emergency Services Protective Clothing and Equipment** (FAE-AAC)
- Technical Committee on Electronic Safety Equipment (FAE-ELS)
- Technical Committee on Emergency Medical Services Protective Clothing and Equipment (FAE-EMS)
- Technical Committee on Respiratory Protection Equipment (FAE-RPE)
- Technical Committee on Special Operations Protective Clothing and Equipment (FAE-SCE)
- Technical Committee on Structural and Proximity Fire Fighting Protective Clothing and Equipment (FAE-SPF)

Report I: The Technical Committee proposes for adoption, amendments to NFPA 1851, **Standard on Selection, Care, and Maintenance of Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting**, 2008 edition. NFPA 1851-2009 is published in Volume 13 of the 2011 National Fire Codes and in separate pamphlet form.

The report on NFPA 1851 has been submitted to letter ballot of the **Technical Committee on Structural and Proximity Fire Fighting Protective Clothing and Equipment**, which consists of 33 voting members. The results of the balloting, after circulation of any negative votes, can be found in the report.

This Report on Proposals has also been submitted to the **Technical Correlating Committee on Fire and Emergency Services Protective Clothing and Equipment** (TCC) in two parts. Part I is a letter ballot on the TCC Actions, if any; and Part II is an informational letter ballot on the Report as a whole. The TCC, which consists of 20 voting members, voted as follows:

Since there were no TCC Actions, there is no ballot on Part I.

Part II: 16 voted affirmatively, and 4 ballots were not returned (Bain, Barker, Duffy, Putorti).

Mr. Stull voted affirmatively stating:

The TCC heard a presentation indicating the specific needs for firefighter hygiene and cleaning off ensemble elements following specific fires; this information should be incorporated into the appendix material of NFPA 1851 (and NFPA 1855).

Report II: The Technical Committee proposes for adoption, amendments to NFPA 1852, **Standard on Selection, Care, and Maintenance of Open-Circuit Self-Contained Breathing Apparatus (SCBA)**, 2008 edition. NFPA 1852-2008 is published in Volume 13 of the 2011 National Fire Codes and in separate pamphlet form.

The report on NFPA 1852 has been submitted to letter ballot of the **Technical Committee on Respiratory Protection Equipment**, which consists of 31 voting members. The results of the balloting, after circulation of any negative votes, can be found in the report.

This Report on Proposals has also been submitted to the **Technical Correlating Committee on Fire and Emergency Services Protective Clothing and Equipment** (TCC) in two parts. Part I is a letter ballot on the TCC Actions, if any; and Part II is an informational letter ballot on the Report as a whole. The TCC, which consists of 20 voting members, voted as follows:

Since there were no TCC Actions, there is no ballot on Part I.

Part II: 16 voted affirmatively, and 4 ballots were not returned (Barker, Duffy, Putorti, Bain).

Mr. Stull voted affirmatively stating: The issue of continued air quality should be reviewed as it applies to new types of pressure vessels, especially for long term storage.

Report III: The Technical Committee proposes for adoption, a new document NFPA 1855, **Standard on Selection, Care, and Maintenance of Protective Ensembles for Technical Rescue Incidents**, 2013 edition.

The report on NFPA 1855 has been submitted to letter ballot of the **Technical Committee on Special Operations Protective Clothing and Equipment**, which consists of 19 voting members. The results of the balloting, after circulation of any negative votes, can be found in the report.

This Report on Proposals has also been submitted to the **Technical Correlating Committee on Fire and Emergency Services Protective Clothing and Equipment** (TCC) in two parts. Part I is a letter ballot on the TCC Actions, if any; and Part II is an informational letter ballot on the Report as a whole. The TCC, which consists of 20 voting members, voted as follows:

Part I: 15 voted affirmatively, and 5 ballots were not returned (Bain, Barker, Duffy, Neilson, Putorti).

Part II: 15 voted affirmatively, and 5 ballots were not returned (Bain, Barker, Duffy, Neilson, Putorti).

Mr. Stull voted affirmatively stating: The TCC was informed of new research that shows the hazards of skin contamination that can be attenuated by improved firefighter post scene hygiene and the proper cleaning of ensemble elements. This information should be incorporated into the appendix of NFPA 1855 (and NFPA 1851).

Report IV: The Technical Committee proposes for adoption, amendments to NFPA 1981, **Standard on Open-Circuit Self-Contained Breathing Apparatus (SCBA) for Emergency Services**, 2007 edition. NFPA 1981-2007 is published in Volume 14 of the 2011 National Fire Codes and in separate pamphlet form.

The report on NFPA 1981 has been submitted to letter ballot of the **Technical Committee on Respiratory Protection Equipment**, which consists of 31 voting members. The results of the balloting, after circulation of any negative votes, can be found in the report.

This Report on Proposals has also been submitted to the **Technical Correlating Committee on Fire and Emergency Services Protective Clothing and Equipment** (TCC) in two parts. Part I is a letter ballot on the TCC Actions, if any; and Part II is an informational letter ballot on the Report as a whole. The TCC, which consists of 20 voting members, voted as follows:

Part I: 14 voted affirmatively, 2 negatively after circulation of negative ballots (Berchtold, Haston), and 4 ballots were not returned (Bain, Barker, Neilson, Putorti).

Mr. Berchtold voted negatively stating:

Committee Action on proposal 1981-14 (Log #CP3), (Sections 3.3, 6.2, and 6.3) is in conflict with CFR/NIOSH/Regulations/Directives.

Mr. Haston voted negatively stating:

The TCC actions for proposals 1981-7 (Log #CP1) and 1981-26 (Log #CP7) do not appear to be correlation issues. Both TCC actions involve a considerable amount of new material which was not available for public review during ROP.

The TCC direction circumvents the ROP process and is not an appropriate means of adding new material or making major revisions. Public proposals should have been submitted, this TCC direction demonstrates a lack of respect for the process.

Part II: 16 voted affirmatively, and 4 ballots were not returned (Bain, Barker, Neilson, Putorti).

Report V: The Technical Committee proposes for adoption, amendments to NFPA 1982, **Standard on Personal Alert Safety Systems (PASS)**, 2007 edition. NFPA 1982 is published in Volume 14 of the 2011 National Fire Codes and in separate pamphlet form.

The report on NFPA 1982 has been submitted to letter ballot of the **Technical Committee on Electronic Safety Equipment**, which consists of 22 voting members. The results of the balloting, after circulation of any negative votes, can be found in the report.

This Report on Proposals has also been submitted to the **Technical Correlating Committee on Fire and Emergency Services Protective Clothing and Equipment** (TCC) in two parts. Part I is a letter ballot on the TCC Actions, if any; and Part II is an informational letter ballot on the Report as a whole. The TCC, which consists of 20 voting members, voted as follows:

Since there were no TCC Actions, there is no ballot on Part I.

Part II: 16 voted affirmatively, and 4 ballots were not returned (Bain, Barker, Duffy, Putorti.).

Report VI: The Technical Committee proposes for adoption, amendments to NFPA 1989, **Standard on Breathing Air Quality for Emergency Services Respiratory Protection**, 2008 edition. NFPA 1989-2008 is published in Volume 14 of the 2011 National Fire Codes and in separate pamphlet form.

The report on NFPA 1989 has been submitted to letter ballot of the **Technical Committee on Respiratory Protection Equipment**, which consists of 31 voting members. The results of the balloting, after circulation of any negative votes, can be found in the report.

This Report on Proposals has also been submitted to the **Technical Correlating Committee on Fire and Emergency Services Protective Clothing and Equipment** (TCC) in two parts. Part I is a letter ballot on the TCC Actions, if any; and Part II is an informational letter ballot on the Report as a whole. The TCC, which consists of 20 voting members, voted as follows:

Part I: 16 voted affirmatively, and 4 ballots were not returned (Bain, Barker, Duffy, Putorti).

Part II: 16 voted affirmatively, and 4 ballots were not returned (Bain, Barker, Duffy, Putorti).

Report VII: The Technical Committee proposes for adoption, amendments to NFPA 1999, **Standard on Protective Clothing for Emergency Medical Operations**, 2008 edition. NFPA 1999-2008 is published in Volume 15 of the 2011 National Fire Codes and in separate pamphlet form.

The report on NFPA 1999 has been submitted to letter ballot of the **Technical Committee on Emergency Medical Services Protective Clothing and Equipment** which consists of 12 voting members. The results of the balloting, after circulation of any negative votes, can be found in the report.

This Report on Proposals has also been submitted to the **Technical Correlating Committee on Fire and Emergency Services Protective Clothing and Equipment** (TCC) in two parts. Part I is a letter ballot on the TCC Actions, if any; and Part II is an informational letter ballot on the Report as a whole. The TCC, which consists of 20 voting members, voted as follows:

Part I: 15 voted affirmatively, and 5 ballots were not returned (Bain, Barker, Duffy, Neilson, Putorti).

Part II: 15 voted affirmatively, and 5 ballots were not returned (Bain, Barker, Duffy, Neilson, Putorti).

Mr. Stull voted affirmatively stating:

As identified in the committee statements the incorporation of new test methods should be predicated on the complete validation of those test methods that includes as a minimum interlaboratory testing and correlation with field performances.

1852-1 Log #CP1 FAE-RPE **Final Action: Accept**
(Entire Document)

Submitter: Technical Committee on Respiratory Protection Equipment,
Recommendation: Review entire document to: 1) Update any extracted material by preparing separate proposals to do so, and 2) review and update references to other organizations documents, by preparing proposal(s) as required.

Substantiation: To conform to the NFPA Regulations Governing Committee Projects.

Committee Meeting Action: Accept

Committee Statement: The technical committee reviewed the entire document to update any extracted material, and reviewed and update references to other organizations documents. Separate proposals were prepared as required.

Number Eligible to Vote: 31

Ballot Results: Affirmative: 27

Ballot Not Returned: 4 Dower, N., Johnson, J., Kaller, C., Radtke, T.

1852-2 Log #CP5 FAE-RPE **Final Action: Accept**
(4.2.2)

Submitter: Technical Committee on Respiratory Protection Equipment,

Recommendation: Revise text to read as follows:

4.2 Hazards Adverse Conditions Involving SCBA.

Delete 4.2.1 and 4.2.2, and add the following text:

4.2.1 As part of the respiratory protection program, the organization shall develop standard operating procedures (SOPs) for a condition or conditions involving SCBA or SCBA components that lead(s) to failure, near-failure or a significant degradation of performance as a result of normal use.

Renumber existing 4.2.3 as 4.2.2, and change the word “hazard” to “condition.”

Renumber existing 4.2.4 as 4.2.3.

Substantiation: This committee proposal clarifies what would prompt a report to the appropriate SCBA manufacturer, the service provider if appropriate, the certification organization that certified the SCBA, and to NIOSH NPPTL.

Committee Meeting Action: Accept

Number Eligible to Vote: 31

Ballot Results: Affirmative: 27

Ballot Not Returned: 4 Dower, N., Johnson, J., Kaller, C., Radtke, T.

Comment on Affirmative:

ANAYA, C.: I believe the language should have the word or reference to “report” or “reporting” somewhere since that’s what was intended and is also the primary issue. Also, the draft language for the 2013 edition is replacing language of the 2007 edition which references reporting.

Here is an example of how I believe it should read, or something similar:

“4.2.1 As part of the respiratory protection program, the organization shall develop standard operating procedures (SOPs) for **reporting** a condition or conditions involving SCBA or SCBA components that lead(s) to failure, near-failure or a significant degradation of performance as a result of normal use.”

1852-3 Log #1 FAE-RPE **Final Action: Accept in Principle**
(5.3)

Submitter: Suleiman Said Al Adawi, Petroleum Development Oman
Recommendation: The standard should specify the spare self contained breathing apparatus cylinders proportionate to the number of breathing apparatus sets based on decided numbers of BA sets in fire stations. For instance 1 BA set should have 1 spare cylinder.

NOTE: I tried to read different standards and seek/exchange ideas with my colleagues but never come across to the standard specifying the number of spare cylinders against BA sets.

Substantiation: The proposal will assist when new introduced fire station (zero base fire station i.e. if the fire station decided to have 10 BA sets (including appliances and back up sets in general) then the required of additional 10 spare BA cylinders might be essential. Thus will cover for BA wearer to use 2 cylinders plus contingencies such as lost of air incase face mask visor broken any other technical faults that cause lost of air, vast emergencies, volunteers, outage of cylinders for hydrostatic pressure test etc.

Committee Meeting Action: Accept in Principle

Replace 5.1.5 (23) with the following:

(23) Number of spare SCBA and cylinders

Committee Statement: The technical committee accepted the proposal in principle and provides the text as shown in the meeting action. The specific needs of each organization should be determined by the AHJ.

Number Eligible to Vote: 31

Ballot Results: Affirmative: 27

Ballot Not Returned: 4 Dower, N., Johnson, J., Kaller, C., Radtke, T.

1852-4 Log #CP2 FAE-RPE **Final Action: Accept**
(Table 7.5.2)

Submitter: Technical Committee on Respiratory Protection Equipment,

Recommendation: Revise Table 7.5.2 as follows:

Under Acceptance Criteria, third paragraph from bottom, replace $\pm 10\%$ with $\pm 5\%$.

Substantiation: The proposed change brings this paragraph into agreement with NIOSH requirements.

Committee Meeting Action: Accept

Number Eligible to Vote: 31

Ballot Results: Affirmative: 27

Ballot Not Returned: 4 Dower, N., Johnson, J., Kaller, C., Radtke, T.

1852-5 Log #CP3 FAE-RPE **Final Action: Accept**
(A.4.7.5, A.7.2.4.5, C.2, C.2.1, C.2.2, C.3, D.2.2)

Submitter: Technical Committee on Respiratory Protection Equipment,

Recommendation: Revise the following paragraphs as indicated:

A.4.7.5 Therefore, the Department of Transportation (DOT) developed special certifications known as exemptions special permits (previously known as exemptions).

A.7.2.4.5 Therefore, the DOT developed ~~special~~ certifications known as exemptions special permits (previously known as exemptions).

C.2 Therefore, the DOT developed ~~special~~ certifications known as exemptions special permits (previously known as exemptions).

C.2.1 All composite cylinders authorized for sale and use in the United States have a DOT exemption special permit number (previously known as an exemption number). [No change to second sentence]. Information on exemptions special permits is found in 49 CFR 107.101.

C.2.2 DOT ~~authorized exempted special permitted~~ cylinders are requalified...

[okay to end]. All U.S. retest facilities performing requalifications on composite cylinders are required by DOT to have a current copy of the cylinder’s exemption special permit available...[okay to end]. [Delete next sentence]. [Last sentence is okay].

C.3 Revise fourth paragraph as follows: DOT-authorized composite cylinders have a maximum service life indicated in the exemption-special permit (previously known as an exemption). Most exemptions special permits specify that composite cylinders have a maximum life of 15 years. [Third sentence is okay].

D.2.2 DOT Exemptions Special Permits. Associate Administrator for Hazardous Materials Safety Research and Special Projects Administration; Department of Transportation...[okay to end].

Substantiation: This committee proposal brings these paragraphs in line with current DOT terminology.

Committee Meeting Action: Accept

Number Eligible to Vote: 31

Ballot Results: Affirmative: 27

Ballot Not Returned: 4 Dower, N., Johnson, J., Kaller, C., Radtke, T.

1852-6 Log #CP4 FAE-RPE **Final Action: Accept**
(C.1, C.1.1, C.3)

Submitter: Technical Committee on Respiratory Protection Equipment,

Recommendation: Replace “RSPA” with “PHMSA.”

Substantiation: PHMSA (Pipeline and Hazardous Material Safety Administration) is the new department.

Committee Meeting Action: Accept

Number Eligible to Vote: 31

Ballot Results: Affirmative: 27

Ballot Not Returned: 4 Dower, N., Johnson, J., Kaller, C., Radtke, T.